AgXML

Version 1.0.0

Released 2001-11-28

- Commodity Contracts
- Commodity Contract Pricings
- Commodity Weight Certificates
- Commodity Quality Certificates
- Commodity Shipment Bill of Lading
- Commodity Movement

1 Standards Use Agreement

AgXML Standard Version 1.0.0
Released 2001-11-28
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3 Change History

Nothing to report. This is version 1.0.0.

4 Feedback

Your comments concerning ways to improve the AgXML Standard are welcome. Furthermore your participation in an AgXML Working Group would guarantee that the business messaging needs of your organization would be heard, understood, and addressed.
To provide feedback, send an email to feedback@agxml.org. If you would like to participate in working groups, send an email to ExecutiveDirector@agxml.org and you will be contacted about participation opportunities.

5 Support

AgXML is a volunteer organization with contributors that have a sincere desire to see the AgXML standards implemented successfully. Submit support requests to support@agxml.org and an AgXML contributor will reply as soon as possible

6 Start Here

6.1 Introduction

You're busy and this is a big document. The purpose of this section is to suggest an effective review process depending on the role you fullfill in your organization.

6.2 Intended Audiences

- Business Executives
- Information Technology Executives
- Developers (includes project managers, system designers, etc.)

Note: Other audiences include consultants, standards organization contributors, etc. We assume that other audiences can easily identify with one of the three listed above.

6.3 Recommended Review Process

The table below outlines the recommended review process for the AgXML standards based on your role. The priority is listed first followed by the recommended level of review.

Section	Bus. Exec.	IT Exec.	Developer
License	read	read	read
Start Here	read	read	read
Executive Overview	read	read	read
Standards Overview	skim	read	read
Use Cases		skim	read
UML Activity Diagrams	take a look	take a look	take a look
Schema Documentation		take a look	take a look
Sample XML Instance Documents		take a look	take a look
Glossary	take a look	take a look	take a look
File List		take a look	take a look
Standards Development Guidelines		take a look	read

7 Executive Overview

7.1 Mission

AgXML is a group of organizations committed to bringing the efficiencies of e-commerce to grain- and oilseed-related business processes.

7.2 The Development Approach

AgXML standards development is an open effort. We invite anyone to participate in our working groups, review our work, and comment on our work. We are reaching out to every grain and oilseed "touch point" we identify including the USDA, the NGFA, RAPID, ag-chem industry organizations, transportation industry organizations, etc. We offer our standards at no cost provided that they are used in accordance with the license agreement.

Our general approach to development is as follows:

1. Identify business processes that, if electronically-enabled, would improve business-process efficiency and effectiveness.
2. Determine the data requirements of those business processes.
3. Define the XML schemas and related guidelines that support the data requirements.
4. Build commitment from participants to integrate XML-based messaging into their business processes and provide a forum for understanding that process.

7.3 Organizational Structure

1. AgXML is an L.L.C.
2. There are two classes of membership, Primary and Associate. Primary members primarily provide products and/or services to the agriculture industry. Associate members are members that don't qualify as Primary members.
3. A Management Committee composed of one representative of each primary member oversees AgXML's direction. Each primary Management Committee member has a vote. Associate member representatives are encouraged to participate Management Committee meetings, conference calls, and emails.
4. Officers are elected from within the Management Committee members.
5. There are various committees that support the Management Committee, make recommendations to the Management Committee, and conduct the day-to-day activities of AgXML.

7.4 Members and Contributors

The following companies (listed alphabetically) have signed the AgXML L.L.C. Operating Agreement and have paid their membership fees for 2001:

- 1stAg
- Agris
- Archer Daniels Midland
- Cargill
- Cenex Harvest States
- Central Soya
- E-Markets
- Javelin Solutions
- Louis Dreyfus
- Rooster.com
- The Andersons

The following organizations or agencies (none of them businesses) have participated to varying degrees in Management Committee meetings, Working Group meetings, or conference calls. Please note that these are organizations or agencies and not companies, and that they have not officially endorsed AgXML standards (note that we have not sought endorsement).

- RAPID Inc.
- The National Grain and Feed Association
- The United States Department of Agriculture

7.5 Standards Ownership

As our license agreement and operating agreement state, AgXML L.L.C. owns all of the work product.

7.6 Version 1 Accomplishments

AgXML participants have developed an industry glossary and accomplished the following:

	Use Case	UML Activity Diagram	XML Schema	Test Scenario	Test Instance Documents	XSLT
Contract	Brokered Non-Brokered	Brokered Non-Brokered	✓	Rail-Corn-Basis Truck-BeansDP	Rail-Corn-Basis Truck-BeansDP	✓
Contract Pricing			✓	Rail-Corn-Basis Truck-BeansDP	Rail-Corn-Basis Truck-BeansDP	
Quality Certificate			✓	Rail-Corn-Basis Truck-BeansDP	Rail-Corn-Basis Truck-BeansDP	✓
Weight Certificate			✓	Rail-Corn-Basis Truck-BeansDP	Rail-Corn-Basis Truck-BeansDP	✓
Bill of Lading			✓	Rail-Corn-Basis Truck-BeansDP	Rail-Corn-Basis Truck-BeansDP	
Commodity Movement	Barge Rail Truck	Rail	✓	Rail-Corn-Basis Truck-BeansDP	Rail-Corn-Basis Truck-BeansDP	

7.7 Version 1 Commodity Contract Scope

	In Scope	Out of Scope
Business Documents	• Commodity Contract • Commodity Contract Pricing • Storage Contract	• Commodity Contract Ammendments • Freight • Orders to futures houses • Orders to clearinghouses
Commodity	• Grain • Oilseeds	• Rice • Bags • Containers • Packaging • Processed goods (meals, oils)
Geography/ Language	• United States • United States export • American English language	• Non-United States • Non-American English language
Functionality	• USDA standards • NGFA standards • Multiple detail for prices • Multiple detail for commodities • Multiple detail for terms • Multiple detail for shipment locations • Multiple detail for delivery locations • Futures priced • Basis priced • Flat/established priced • Unpriced • No basis established/futures	• Exchange Rates

7.8 Version 1 Commodity Shipments Scope

	In Scope	Out of Scope
Business Documents	• Commodity Movement • Bill of Lading • Weight Certificate • Quality Certificate	• Weight Certificate corrections • Bill of Lading revisions
Commodity	• Grain • Oilseeds	• Rice • Bags • Containers • Packaging • Processed goods (meals, oils)
Geography/ Language	• United States • United States export • American English language	• Non-United States • Non-American English language
Functionality	• USDA standards • NGFA standards • Truck • Rail • Barge • Multiple commodities per shipment	• Origin placement • Destination placement • Origin release • Destination release • Shipment advice • Multiple commodities per container/car • Hazardous material information • Export vessel • Delivery order • Settlement • Other certificates • Tenders • Equipment registers • Empty return instructions • Partial loads (multiple load facilities)

7.9 For More Information

For more information contact the Jim Wilson, Executive Director at ExecutiveDirector@agxml.org or at 816-516-8847.

8 Standards Overview

8.1 Introduction

The AgXML Standard is composed of several parts that include:

- Written Use Cases
- UML Activity Diagrams
- Ag-Industry Glossary
- XML Schemata
- XML Schema Documentation
- Test Cases
- Sample XML Instance Documents
- XSLT (Extensible Stylesheet Language Transformation) Files
- HTML Representations of the Sample XML Instance Documents

The following discussion reviews each part and then describes the various files included in the AgXML Standard in the context of the parts.

8.2 Documents

The scope of the AgXML Standard for Phase 1 includes those documents at the core of bulk grain and oilseed transactions.

- Commodity Contract: A legally binding agreement between a buyer and seller for the transference of a quantity of a commodity for a specified priced given a specific set of terms. A contract may also be negotiated by an agent or third party.
- Commodity Contract Pricing Agreement: Establishes the per bushel price of a contract, if that price was not established at the time of contract creation. The original contract either could have been a basis, futures, or delayed price contract.
- Commodity Weight Certificate: For each unit of a commodity that is shipped, the weight is taken at the origin, destination, or both. This establishes the quantity of the commodity shipped. The Commodity Weight Certificate contains the weight information for a specific or group of units so that it can be transmitted between trading partners.
- Commodity Quality Certificate: For each unit of a commodity that is shipped, the commodity is graded at the origin, destination, or both to determine the quality of the shipment. The Commodity Quality Certificate contains the grade and quality information for a specific or group of units so that it can be transmitted between trading partners. These values are used to determine if the commodity meets contract requirements.
- Commodity Shipment Bill of Lading: Many commodity

8.3 XML Schemas

XML schemas are really the heart of the AgXML standard. The schemas conform to the World Wide Web Consortium's 2001-05-20 XML Schemas Recommendation. They define how data

should be structured for communication with business partners. The AgXML Standard XML schemas can be divided into five types. Please note that the type names are AgXML terms and not XML-standard-specific terms.

- Top-Level Schemas: Schemas that define the data structures of messages that pass between business partners. A top-level schema may include component or data-type schemas. An example is the Contract.xsd schema, which defines the structure of commodity contracts.
- Data-Type Schemas (dt*.xsd): Schemas composed on one simple data type that contains enumerated values. Data-type schemas never include other schemas. Data-type schemas alone never define messages between business partners. An example is the dtCountryRegionCode.xsd schema, which contains the enumerated values representing states and provinces.
- Component Schemas (c*.xsd): Schemas that define data structures that are likely to be included in other component schemas and/or top-level schemas. A component schema may include other component or data-type schemas. Component schemas alone never define messages between business partners. An example is the cAddress.xsd schema which contains the enumerated values representing states and provinces.
- Integrated Top-Level Schemas (*~.xsd): Top-level schemas that have had all include references replaced with the contents of the referenced schemas. This results in a single file rather than a number of files used to represent the data structure of a single business message. *Integrated top-level schemas are provided for the convenience of the developer and are not to be used in production!*
- Glossary Schema (Glossary.xsd): a single schema that includes all of the data-type schemas. The glossary schema alone never defines a message between business partners.

Where refererence is made to one schema including another schema, that reference is to the use of the XML schema *include* element.

8.4 XML Schema Documentation

The XML schema documentation is effectively a report of each top-level schema that project managers and developers may find useful.

8.5 Ag-Industry Glossary

The glossary provides the following (where applicable) for *every* element type name and attribute name used in *every* AgXML schema and *some* data type enumeration values. The glossary also includes definitions of terms that are not schema-related.

- Definition
- Notes in Context (where applicable)
- Synonyms in Context (where applicable)
- Examples in Context (where applicable)
- Abbreviations (where applicable)

The glossary is maintained in an XML format but is available in HTML, various Microsoft Word formats, Microsoft Excel format, and Adobe PDF format.

8.6 Test Scenarios

The test scenarios offer real-world business documents (e.g. contracts, weight certificates, etc.) that can be used as a source of data in the creation of XML instance documents. The resulting instance documents can then be compared to the sample XML instance documents (see the Sample XML Instance Documents section) provided with this standard to discover where your organization's interpretation of the standard may not align with the standard's authors.

8.7 Sample XML Instance Documents

Sample XML instance documents are XML files that are valid against one of the top-level schemas (see the XML Schemas section). These documents also serve as the "key" for test scenarios and the source for the sample HTML representations of the related business messages.

8.8 XSLT (Extensible Stylesheet Language Transformation) Files

The AgXML standard includes a number of XSLT files used for the following reasons:

- To transform business message XML instance documents to HTML. This results allows XML information to be transformed for dispaying in a web browser.
- To transform the Ag-Industry glossary to HTML.
- To create an HTML report of all enumerated data types and their values in all schemas.
- To transform the written use cases.
- Other miscellaneous transformation.

8.9 HTML Representations of the Sample XML Instance Documents

HTML representations of sample XML instance documents illustrate the power and flexibility of XML and XSLT. They serve as a tool to bridge the gap between "a new way to format data" and something tangible that business executives can identify with. They also provide examples to developers learning XSLT.

8.10 Written Use Cases

These are the stories of the the business processes from which business messages are identified and XML schemas developed. A few facts follow:

- The use cases are documented in an XML files.
- We have used the format suggested in Alistair Cockburn's book *Writing Effective Use Cases*, Addison-Wessley 2001. This format is also available at http://www.usecases.org.
- We have XSLT files that can be used to transform the XML into HTML.
- The use cases do not necessarily have a 1:1 relationship with the XML schemas.

8.11 UML Activity Diagrams

Each UML activity diagrams roughly corresponds to a single use case and more effectively illustrates synchronous activities and contingent processes. The diagrams are available in Adobe PDF format or Microsoft Visio 2002 format.

9 Commodity Contract

9.1 Non-Brokered Contract Use Case

Context of Use: A contract is created between a buyer and seller where the seller agrees to deliver a commodity to the buyer.
Scope: Buyer and seller organizations
Level: Summary

Primary Actor: Seller

Stakeholders and Interests
Seller: Enter into a contract to sell and deliver a commodity.
Buyer: Enter into a contract to buy and receive delivery of a commodity.

Success Guarantees: The buyer and the seller receive confirmation of the other's agreement to a contract.

Main Success Scenario

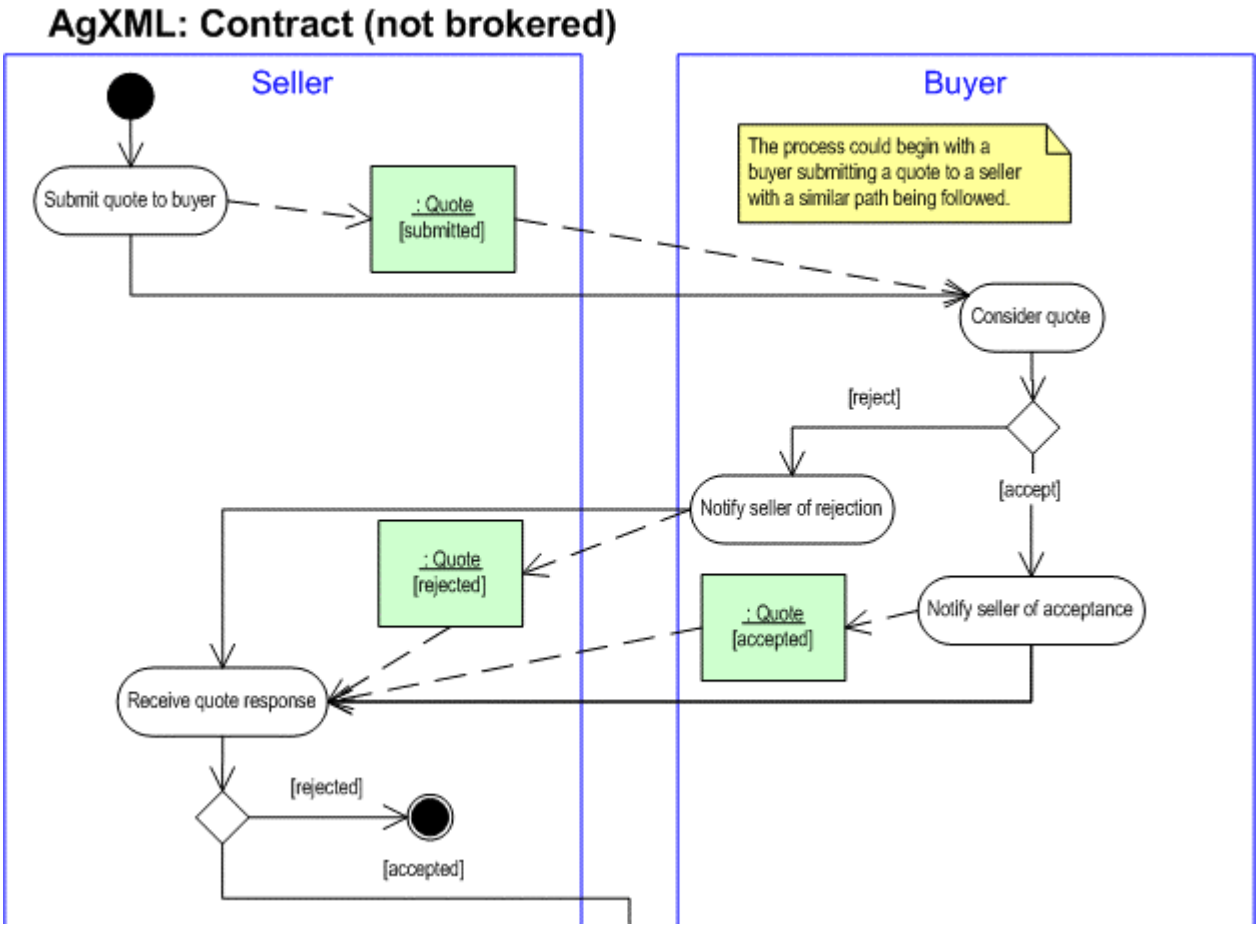
1. A seller submits a quote to a prospective buyer.
2. The buyer accepts the quote creating a verbal contract.
3. The buyer and the seller each create a contract confirmation and send them to each other.
4. The buyer and the seller review each other's contract confirmations, sign them, and send copies to each other.

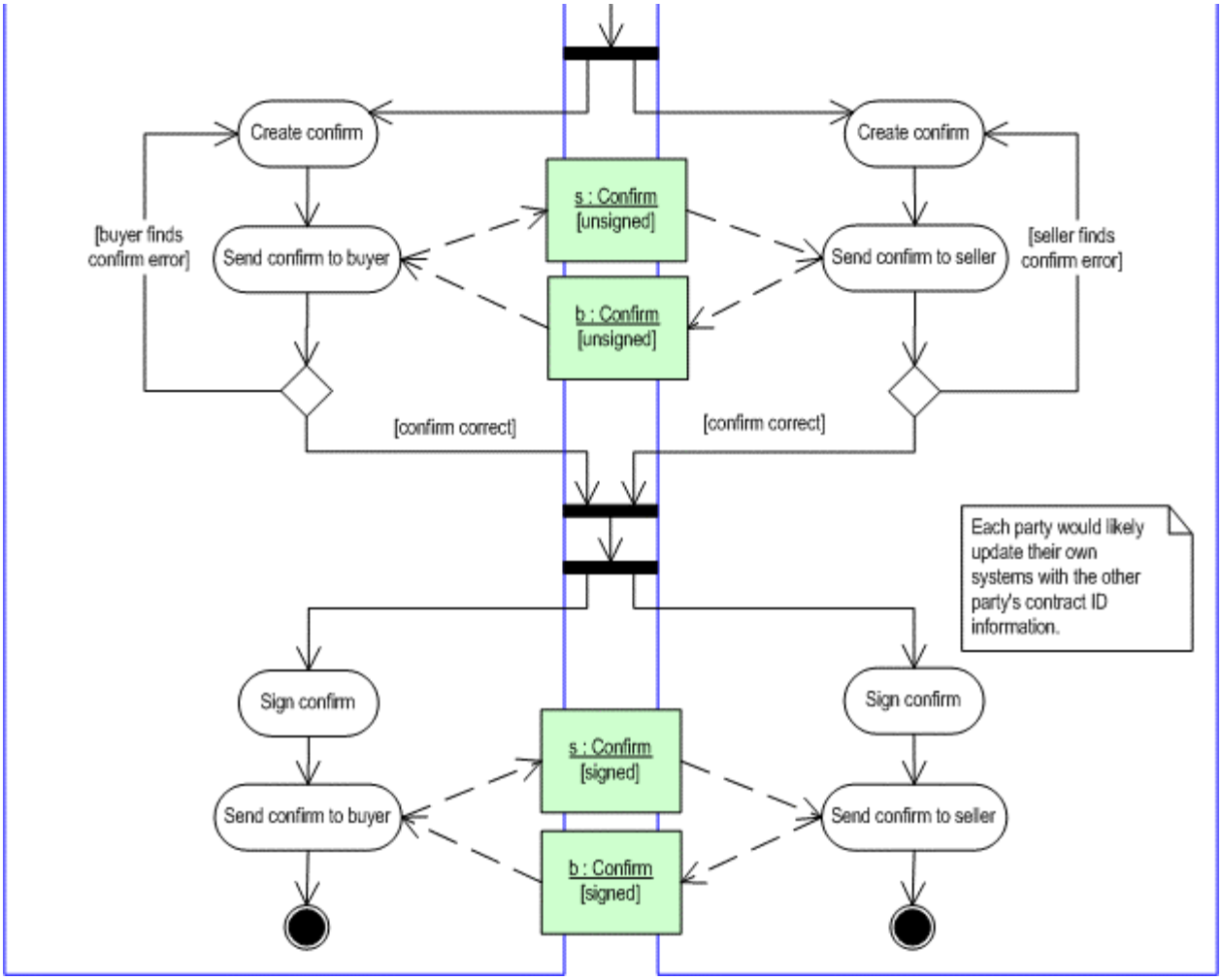
Extensions

1. Condition: The use case could start by the buyer submitting an offer to a seller. A similar path is followed.
2. Condition: Buyer rejects the quote--end of use case.
4. Condition: A contract confirmation has a mistake.

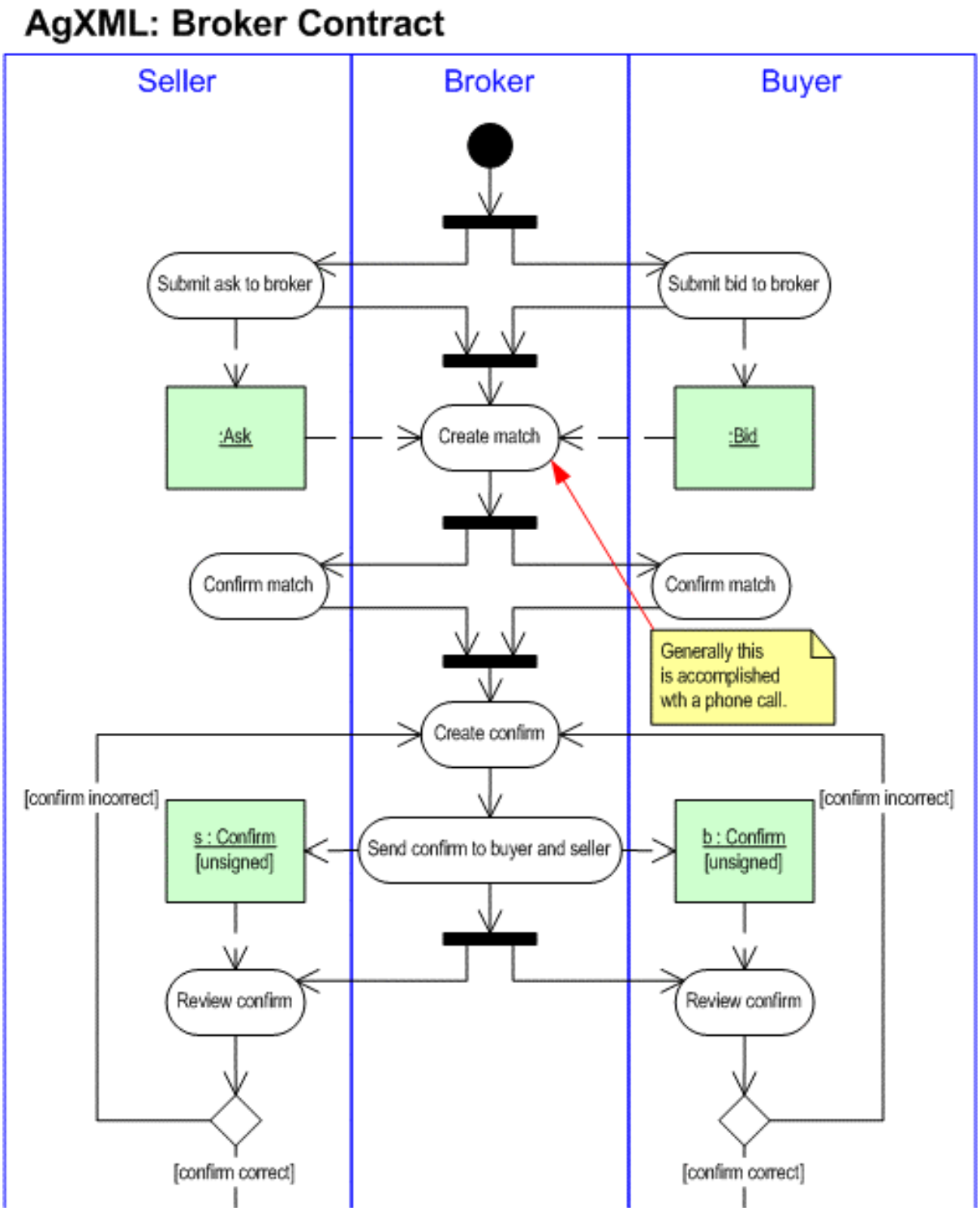
    a1. Recreate contract confirmations and resend.

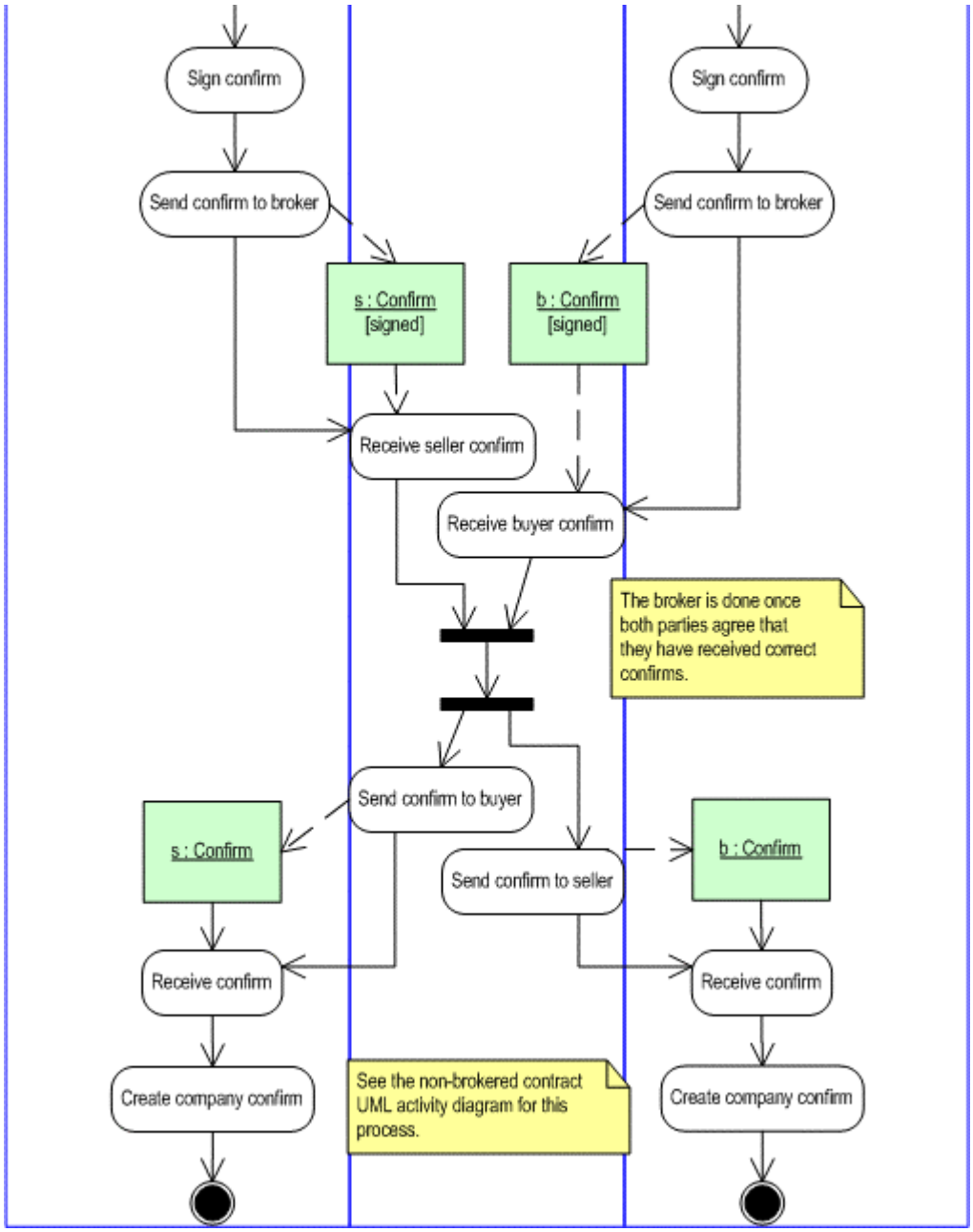
9.2 Non-Brokered Contract UML Activity Diagram




Create confirm
Create confirm
s : Confirm
[unsigned]
[buyer finds
confirm error]
Send confirm to buyer
Send confirm to seller
[seller finds
confirm error]
b : Confirm
[unsigned]
[confirm correct]
[confirm correct]
Each party would likely update their own systems with the other party's contract ID information.
Sign confirm
Sign confirm
s : Confirm
[signed]
Send confirm to buyer
Send confirm to seller
b : Confirm
[signed]

9.3 Brokered Commodity Contract UML Activity Diagram




Sign confirm
Sign confirm
Send confirm to broker
Send confirm to broker
s : Confirm
[signed]
b : Confirm
[signed]
Receive seller confirm
Receive buyer confirm
The broker is done once both parties agree that they have received correct confirms.
Send confirm to buyer
s : Confirm
Send confirm to seller
b : Confirm
Receive confirm
Receive confirm
Create company confirm
See the non-brokered contract UML activity diagram for this process.
Create company confirm

9.4 Schema Documentation

schema location: C:\AgXML\Schemas\Contract.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements

Agent
ApplicablePremiumAndDiscountSchedule
ApplicablePremiumAndDiscountScheduleDescription
ApplicablePremiumAndDiscountSchedules
AverageQuality
BasisPointInformation
BasisPointLocationInformation
BasisPointMarket
BasisPrice
BeginningDate
Buyer
BuyerSellerCall
CommodityClass
CommodityGroup
CommodityName
CommodityNameCode
CommoditySpecialGrade
CommodityStandardGrade
CommodityStandardGradeOptionalDesignation
CommodityStandardsAuthorityCode
CommoditySubClass
CommodityVariety
Contract
ContractCommodityInformation
ContractDateTime
ContractDetail
ContractDetails
ContractHeader
ContractIdentifier
ContractOriginator
ContractOriginatorInformation
ContractQualityInformation
ContractQuantity
Date
DeliveryBasis
EndingDate
EquipmentType
Event
FlatPrice
FreightCarrier
FuturesCommodityCode
FuturesCommodityName
FuturesExchangeCode
FuturesInformation
FuturesMonth
FuturesPrice
FuturesYear
GoverningTradeRuleInformation
GoverningTradeRules
GoverningTradeRulesVersion
GradesToGovern
GradesToGovernInformation
MaximumPercent
MaximumQuality
MaximumQuantity
MinimumPercent
MinimumQuality
MinimumQuantity
PaymentTerm
PaymentTermHoldPaymentDate

PaymentTerms
PaymentTermsDescription
PaymentTermTime
PaymentTermType
PremiumAndDiscountInformation
PremiumAndDiscountLimitCondition
PremiumAndDiscountMeasurement
PremiumAndDiscountMeasurementCode
PremiumAndDiscountMeasurementExistsFlag
PremiumAndDiscountMeasurementFrom
PremiumAndDiscountMeasurementIncrement
PremiumAndDiscountMeasurementInformation
PremiumAndDiscountMeasurementName
PremiumAndDiscountMeasurementTo
PremiumAndDiscountMeasurementType
PremiumAndDiscountPrice
PremiumAndDiscountQualityFactorCode
PremiumAndDiscountQualityFactorInformation
PremiumAndDiscountQualityFactorName
PremiumAndDiscountQuantity
PremiumAndDiscountSchedule
PremiumAndDiscountScheduleDescription
PremiumAndDiscountSchedules
Price
PriceInformation
PriceType
QualityFactorCode
QualityFactorName
QualityMinimumAndMaximum
QualityTerm
QualityTerms
QualityTolerance
QuantityToleranceInformation
ReferenceIdentifier
Remark
ScheduleEvent
ScheduleIdentifier
ScheduleName
Seller
ServiceEvent
ServiceOfficialCategory
ShipmentOrDeliveryPeriod
SpecialTerm
SpecialTermDescription
SpecialTermName
SpecialTermPercentage
SpecialTermProratedFlag
SpecialTermQuantity
SpecialTermRate
SpecialTermRateBegin
SpecialTermRateEnd
SpecialTerms
SpecialTermTimeIncrement
Time
TolerancePercentRange
TolerancePricingTerm
ToleranceQuantityRange
TraderIdentifier
TraderName
TransportationInformation
TransportationMode
TransportationProvider
TransportationUnitSize
WeightsToGovern
WeightsToGovernInformation

schema location: C:\AgXML\Schemas\cLocationInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
LocationIdentifier
LocationInformation
LocationName
LocationType

schema location: C:\AgXML\Schemas\cContactInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommunicationCode
CommunicationInformation
CommunicationMethod
ContactInformation
ContactName
JobTitle

schema location: C:\AgXML\Schemas\cEntityInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
EntityIdentifier
EntityInformation
EntityName
EntityType

schema location: C:\AgXML\Schemas\Glossary.xsd
targetNamespace: **http://www.agxml.org/schemas**

schema location: C:\AgXML\Schemas\cAddress.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
Address
AddressLine
City
CountryCode
CountryRegionCode
County
CountyFIPSCode
PostalCode

schema location: C:\AgXML\Schemas\dtLocationType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
LocationType

schema location: C:\AgXML\Schemas\dtIdentifierSource.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
IdentifierSource

schema location: C:\AgXML\Schemas\dtCommunicationMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommunicationMethod

schema location: C:\AgXML\Schemas\dtEntityType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
EntityType

schema location: C:\AgXML\Schemas\dtApplicationType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ApplicationType

schema location: C:\AgXML\Schemas\dtBasisLocationMarket.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BasisLocationMarket

schema location: C:\AgXML\Schemas\dtBillOfLadingIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingIdentifierType

schema location: C:\AgXML\Schemas\dtBillOfLadingType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingType

schema location: C:\AgXML\Schemas\dtBuyerSellerCall.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BuyerSellerCall

schema location: C:\AgXML\Schemas\dtCommodityClass.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityClass

schema location: C:\AgXML\Schemas\dtCommodityGroup.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityGroup

schema location: C:\AgXML\Schemas\dtCommodityName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityName

schema location: C:\AgXML\Schemas\dtCommodityNameCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityNameCode

schema location: **C:\AgXML\Schemas\dtCommoditySpecialGrade.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySpecialGrade

schema location: **C:\AgXML\Schemas\dtCommodityStandardGrade.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGrade

schema location: **C:\AgXML\Schemas\dtCommodityStandardGradeOptionalDesignation.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGradeOptionalDesignation

schema location: **C:\AgXML\Schemas\dtCommodityStandardsAuthorityCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardsAuthorityCode

schema location: **C:\AgXML\Schemas\dtCommoditySubClass.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySubClass

schema location: **C:\AgXML\Schemas\dtCommodityUnitOfMeasure.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityUnitOfMeasure

schema location: C:\AgXML\Schemas\dtContractOriginator.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ContractOriginator

schema location: C:\AgXML\Schemas\dtCountryCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryCode

schema location: C:\AgXML\Schemas\dtCountryRegionCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryRegionCode

schema location: C:\AgXML\Schemas\dtCurrencyCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CurrencyCode

schema location: C:\AgXML\Schemas\dtDeliveryBasis.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DeliveryBasis

schema location: C:\AgXML\Schemas\dtDistanceUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DistanceUnitOfMeasure

schema location: C:\AgXML\Schemas\dtEquipmentType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
EquipmentType

schema location: C:\AgXML\Schemas\dtFreightPaymentTermType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightPaymentTermType

schema location: C:\AgXML\Schemas\dtFreightRateAuthorityType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightRateAuthorityType

schema location: C:\AgXML\Schemas\dtFuturesCommodityCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityCode

schema location: C:\AgXML\Schemas\dtFuturesCommodityName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityName

schema location: C:\AgXML\Schemas\dtFuturesExchangeCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesExchangeCode

schema location: C:\AgXML\Schemas\dtGoverningTradeRules.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GoverningTradeRules

schema location: **C:\AgXML\Schemas\dtGradesToGovern.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GradesToGovern

schema location: **C:\AgXML\Schemas\dtInspectionClassCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionClassCode

schema location: **C:\AgXML\Schemas\dtInspectionLevelType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionLevelType

schema location: **C:\AgXML\Schemas\dtInspectionProviderType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionProviderType

schema location: **C:\AgXML\Schemas\dtMonthsOfYear.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
MonthsOfYear

schema location: **C:\AgXML\Schemas\dtPaymentTermType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PaymentTermType

schema location: **C:\AgXML\Schemas\dtPermitIdentifierType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PermitIdentifierType

schema location: **C:\AgXML\Schemas\dtPremiumAndDiscountLimitCondition.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountLimitCondition

schema location: **C:\AgXML\Schemas\dtPremiumAndDiscountMeasurementType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountMeasurementType

schema location: **C:\AgXML\Schemas\dtPremiumAndDiscountQuantityType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountQuantityType

schema location: **C:\AgXML\Schemas\dtPricingCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingCode

schema location: **C:\AgXML\Schemas\dtPricingMethod.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingMethod

schema location: C:\AgXML\Schemas\dtPriceType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PriceType

schema location: C:\AgXML\Schemas\dtQualityCertificateStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityCertificateStatus

schema location: C:\AgXML\Schemas\dtQualityFactorCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorCode

schema location: C:\AgXML\Schemas\dtQualityFactorName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorName

schema location: C:\AgXML\Schemas\dtQualityFactorUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorUnitOfMeasure

schema location: C:\AgXML\Schemas\dtQualityGrouping.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityGrouping

schema location: C:\AgXML\Schemas\dtQuantityDeterminationMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QuantityDeterminationMethod

schema location: C:\AgXML\Schemas\dtRemarkType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RemarkType

schema location: C:\AgXML\Schemas\dtRouteCarrierSequence.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteCarrierSequence

schema location: C:\AgXML\Schemas\dtRouteType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteType

schema location: C:\AgXML\Schemas\dtSampleMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleMethod

schema location: C:\AgXML\Schemas\dtSampleOfficialCategory.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleOfficialCategory

schema location: C:\AgXML\Schemas\dtScheduleEvent.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ScheduleEvent

schema location: **C:\AgXML\Schemas\dtServiceEvent.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceEvent

schema location: **C:\AgXML\Schemas\dtServiceOfficialCategory.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceOfficialCategory

schema location: **C:\AgXML\Schemas\dtSpecialHandlingService.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialHandlingService

schema location: **C:\AgXML\Schemas\dtSpecialTermName.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialTermName

schema location: **C:\AgXML\Schemas\dtStandardTransportationCommodityCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
StandardTransportationCommodityCode

schema location: **C:\AgXML\Schemas\dtTimeUnitOfMeasure.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TimeUnitOfMeasure

schema location: C:\AgXML\Schemas\dtTolerancePricingTerm.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TolerancePricingTerm

schema location: C:\AgXML\Schemas\dtTransportationMode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationMode

schema location: C:\AgXML\Schemas\dtTransportationProvider.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationProvider

schema location: C:\AgXML\Schemas\dtTransportationUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationUnitOfMeasure

schema location: C:\AgXML\Schemas\dtTruckDriverStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TruckDriverStatus

schema location: C:\AgXML\Schemas\dtCommodityMovementStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementStatus

schema location: C:\AgXML\Schemas\dtCommodityMovementType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementType

schema location: C:\AgXML\Schemas\dtVehicleIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
VehicleIdentifierType

schema location: C:\AgXML\Schemas\dtWeightClassCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightClassCode

schema location: C:\AgXML\Schemas\dtWeightsToGovern.xsd
targetNamespace: **http://www.agxml.org/schemas**

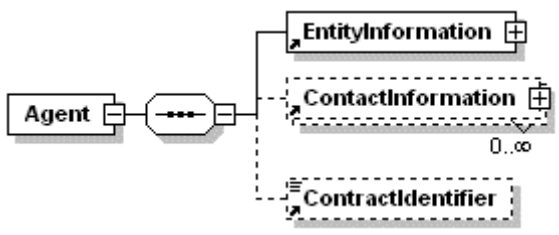
Simple types
WeightsToGovern

schema location: C:\AgXML\Schemas\dtWeightUnitofMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightUnitOfMeasure

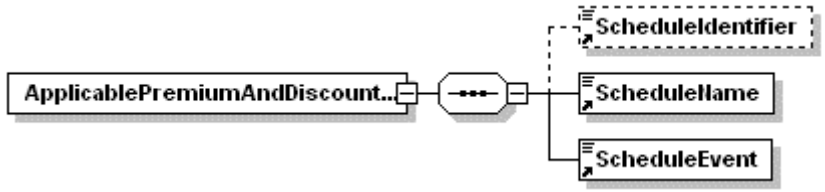
element **Agent**

diagram

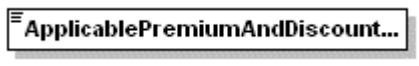


namespace	http://www.agxml.org/schemas
children	**EntityInformation** **ContactInformation** **ContractIdentifier**
used by	element **ContractHeader**
source	<xsd:element name="Agent"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="ContractIdentifier" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

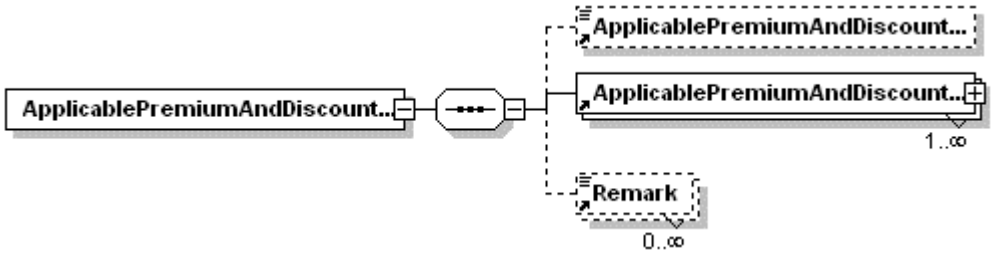
element **ApplicablePremiumAndDiscountSchedule**

diagram	
namespace	http://www.agxml.org/schemas
children	**ScheduleIdentifier** **ScheduleName** **ScheduleEvent**
used by	element **ApplicablePremiumAndDiscountSchedules**
source	<xsd:element name="ApplicablePremiumAndDiscountSchedule"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ScheduleIdentifier" minOccurs="0"/> <xsd:element ref="ScheduleName"/> <xsd:element ref="ScheduleEvent"/> </xsd:sequence> </xsd:complexType> </xsd:element>

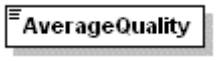
element **ApplicablePremiumAndDiscountScheduleDescription**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ApplicablePremiumAndDiscountSchedules**
source	<xsd:element name="ApplicablePremiumAndDiscountScheduleDescription" type="xsd:string"/>

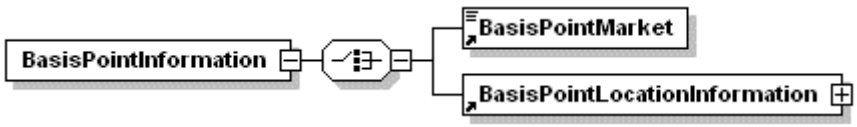
element **ApplicablePremiumAndDiscountSchedules**

diagram	
namespace	http://www.agxml.org/schemas
children	ApplicablePremiumAndDiscountScheduleDescription ApplicablePremiumAndDiscountSchedule Remark
used by	element PremiumAndDiscountInformation
source	<xsd:element name="ApplicablePremiumAndDiscountSchedules"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ApplicablePremiumAndDiscountScheduleDescription" minOccurs="0"/> <xsd:element ref="ApplicablePremiumAndDiscountSchedule" maxOccurs="unbounded"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **AverageQuality**

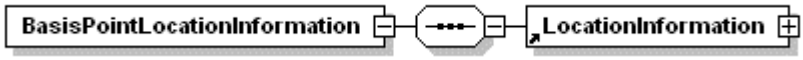
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:decimal**
used by	element QualityTolerance
source	<xsd:element name="AverageQuality" type="xsd:decimal"/>

element **BasisPointInformation**

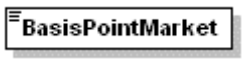
diagram	
namespace	http://www.agxml.org/schemas
children	BasisPointMarket BasisPointLocationInformation
used by	element ContractDetail
source	<xsd:element name="BasisPointInformation"> <xsd:complexType> <xsd:choice> <xsd:element ref="BasisPointMarket"/> <xsd:element ref="BasisPointLocationInformation"/> </xsd:choice> </xsd:complexType>

	</xsd:element>

element **BasisPointLocationInformation**

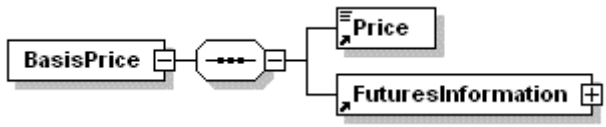
diagram	
namespace	http://www.agxml.org/schemas
children	**LocationInformation**
used by	element **BasisPointInformation**
source	<xsd:element name="BasisPointLocationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **BasisPointMarket**

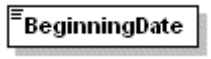
diagram	
namespace	http://www.agxml.org/schemas
type	**BasisLocationMarket**
used by	element **BasisPointInformation**
facets	enumeration Atlantic Port enumeration Cedar River Railroad enumeration Central Kansas enumeration Chicago for Beyond enumeration Chicago including Burns Harbor enumeration Columbus for Beyond enumeration Columbia River District including Portland enumeration Columbia River District including Portland sellers option Pudget Sound District enumeration Commodity Credit Corporation enumeration Duluth/Superior enumeration East Texas Plains enumeration Evansville for Beyond enumeration Great Lakes enumeration Hanford/Tulare/Visalia enumeration Houston/Galveston/Beaumont enumeration Illinois Central Gulf enumeration Illinois River North enumeration Iowa & Minnesota Rail Link enumeration Kansas City enumeration Kansas City for Beyond enumeration Lower Mississippi River enumeration Lower Ohio River enumeration Mid-Bridge Brownsville enumeration Mid-Bridge Eagle Pass enumeration Mid-Bridge Laredo enumeration Mid-Bridge Nogales enumeration Mid-Bridge Presideo enumeration Mid-Mississippi River enumeration Minneapolis/Duluth enumeration Mississippi River enumeration Mississippi River Excluding Baton Rouge enumeration Modesto/Oakdale/Turlock enumeration North Kansas enumeration North Texas Plains

	enumeration North Texas Plains enumeration Northeast Colorado enumeration Ohio River enumeration Pacific Northwest enumeration Pudget Sound District enumeration South Kansas enumeration South Texas Plains enumeration Southcentral Kansas enumeration Southeast Colorado enumeration Southeast Processors enumeration Southwest Kansas enumeration Stockton/San Joaquin Valley enumeration Tennessee River enumeration Texas Gulf enumeration Texas Gulf Excluding Brownsville enumeration Toledo/Maumee enumeration Track Nebraska enumeration Upper Mississippi River enumeration Upper Ohio River enumeration Union Pacific Group 3 enumeration Union Pacific Group 6 enumeration Union Pacific Group 9 enumeration United States Center Gulf enumeration United States Gulf enumeration United States Louisiana Gulf enumeration Washington Courthouse enumeration Western Kansas
source	<xsd:element name="BasisPointMarket" type="BasisLocationMarket"/>

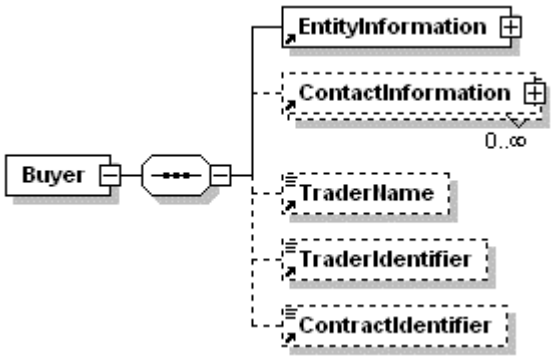
element **BasisPrice**

diagram	
namespace	http://www.agxml.org/schemas
children	Price FuturesInformation
used by	element PriceInformation
source	<xsd:element name="BasisPrice"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Price"/> <xsd:element ref="FuturesInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

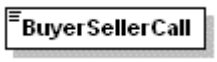
element **BeginningDate**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:date**
used by	element ShipmentOrDeliveryPeriod
source	<xsd:element name="BeginningDate" type="xsd:date"/>

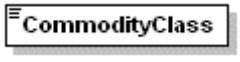
element **Buyer**

diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation TraderName TraderIdentifier ContractIdentifier
used by	element ContractHeader
source	<xsd:element name="Buyer"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="TraderName" minOccurs="0"/> <xsd:element ref="TraderIdentifier" minOccurs="0"/> <xsd:element ref="ContractIdentifier" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **BuyerSellerCall**

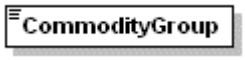
diagram	
namespace	http://www.agxml.org/schemas
type	BuyerSellerCall
used by	element QuantityToleranceInformation
facets	enumeration Buyer enumeration Seller
source	<xsd:element name="BuyerSellerCall" type="BuyerSellerCall"/>

element **CommodityClass**

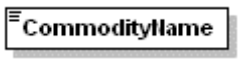
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityClass
used by	element ContractCommodityInformation
facets	enumeration Barley enumeration Durum Wheat

	enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="CommodityClass" type="CommodityClass"/>

element **CommodityGroup**

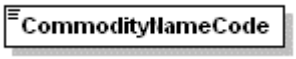
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityGroup
used by	element ContractCommodityInformation
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain enumeration Non-standardized Grain enumeration Oats enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:element name="CommodityGroup" type="CommodityGroup"/>

element **CommodityName**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityName
used by	element ContractCommodityInformation
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat

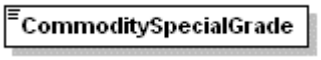
	enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat enumeration White Corn enumeration White Sorghum enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="CommodityName" type="CommodityName"/>

element **CommodityNameCode**

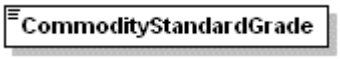
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityNameCode
used by	element ContractCommodityInformation
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K enumeration N enumeration NS enumeration O enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB

	enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:element name="CommodityNameCode" type="CommodityNameCode"/>

element **CommoditySpecialGrade**

diagram	
namespace	http://www.agxml.org/schemas
type	CommoditySpecialGrade
used by	element ContractCommodityInformation
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy
source	<xsd:element name="CommoditySpecialGrade" type="CommoditySpecialGrade"/>

element **CommodityStandardGrade**

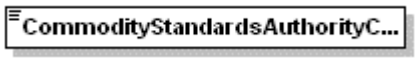
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardGrade
used by	element ContractCommodityInformation
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5 enumeration U.S. Sample

source	<xsd:element name="CommodityStandardGrade" type="CommodityStandardGrade"/>

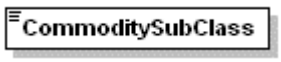
element **CommodityStandardGradeOptionalDesignation**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardGradeOptionalDesignation
used by	element ContractCommodityInformation
facets	enumeration Or Better
source	<xsd:element name="CommodityStandardGradeOptionalDesignation" type="CommodityStandardGradeOptionalDesignation"/>

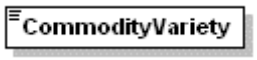
element **CommodityStandardsAuthorityCode**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardsAuthorityCode
used by	elements ContractCommodityInformation QualityTerm
facets	enumeration GIPSA enumeration Industry
source	<xsd:element name="CommodityStandardsAuthorityCode" type="CommodityStandardsAuthorityCode"/>

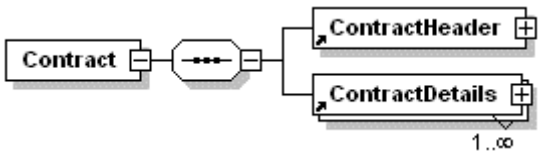
element **CommoditySubClass**

diagram	
namespace	http://www.agxml.org/schemas
type	CommoditySubClass
used by	element ContractCommodityInformation
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley enumeration Soft White Wheat enumeration Two-rowed Barley enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:element name="CommoditySubClass" type="CommoditySubClass"/>

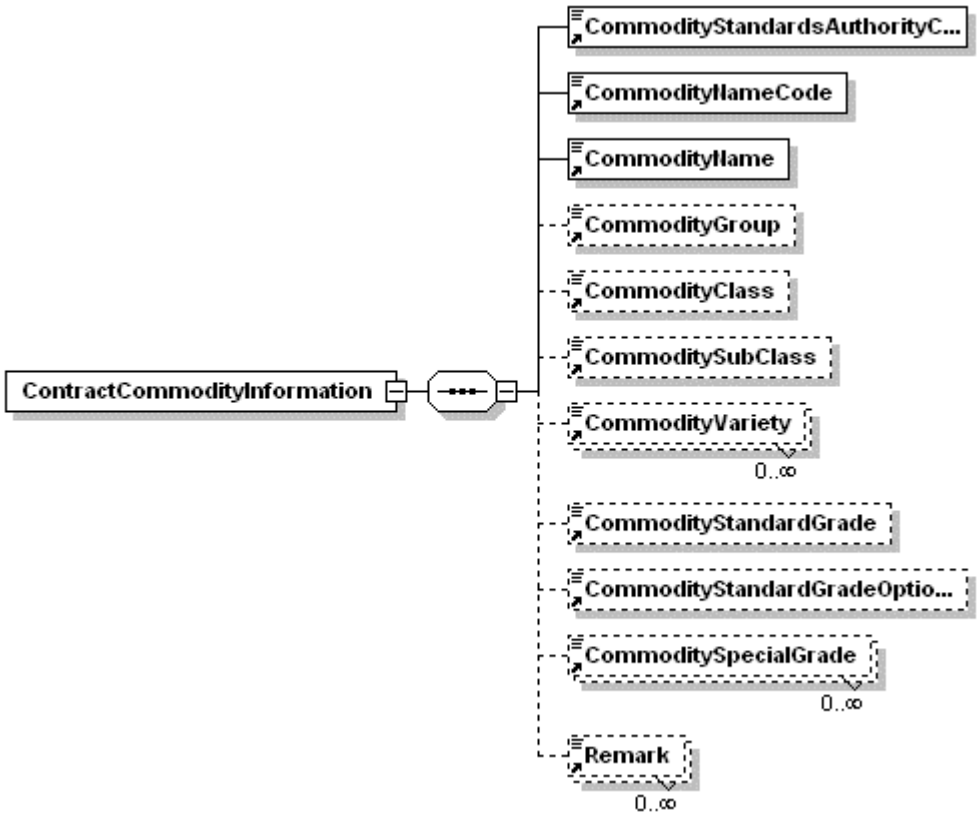
element **CommodityVariety**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ContractCommodityInformation**
source	<xsd:element name="CommodityVariety" type="xsd:string"/>

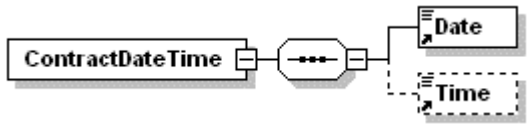
element **Contract**

diagram	
namespace	http://www.agxml.org/schemas
children	**ContractHeader** **ContractDetails**
source	<xsd:element name="Contract"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ContractHeader"/> <xsd:element ref="ContractDetails" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

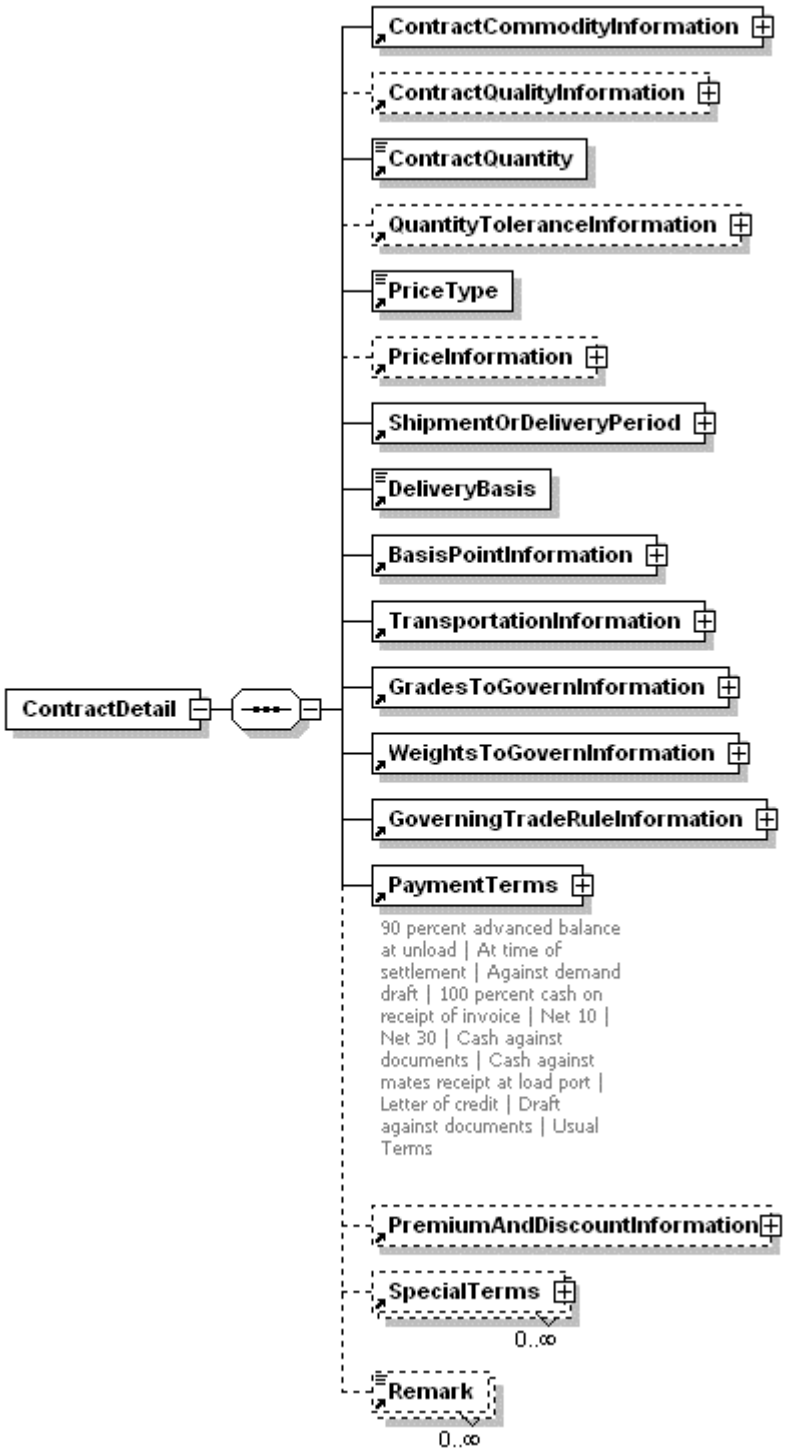
element **ContractCommodityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	CommodityStandardsAuthorityCode CommodityNameCode CommodityName CommodityGroup CommodityClass CommoditySubClass CommodityVariety CommodityStandardGrade CommodityStandardGradeOptionalDesignation CommoditySpecialGrade Remark
used by	element ContractDetail
source	<xsd:element name="ContractCommodityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommodityStandardsAuthorityCode"/> <xsd:element ref="CommodityNameCode"/> <xsd:element ref="CommodityName"/> <xsd:element ref="CommodityGroup" minOccurs="0"/> <xsd:element ref="CommodityClass" minOccurs="0"/> <xsd:element ref="CommoditySubClass" minOccurs="0"/> <xsd:element ref="CommodityVariety" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="CommodityStandardGrade" minOccurs="0"/> <xsd:element ref="CommodityStandardGradeOptionalDesignation" minOccurs="0"/> <xsd:element ref="CommoditySpecialGrade" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ContractDateTime**

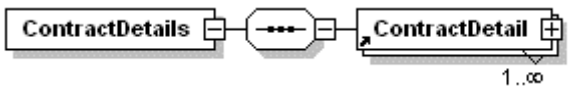
diagram	
namespace	http://www.agxml.org/schemas
children	**Date** **Time**
used by	element **ContractHeader**
source	<xsd:element name="ContractDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ContractDetail**

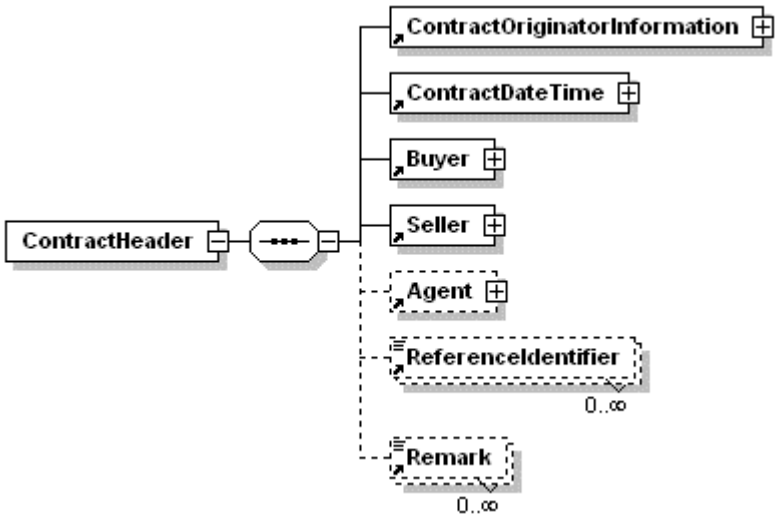
diagram	
namespace	http://www.agxml.org/schemas
children	ContractCommodityInformation ContractQualityInformation ContractQuantity QuantityToleranceInformation PriceType PriceInformation ShipmentOrDeliveryPeriod DeliveryBasis BasisPointInformation

	TransportationInformation GradesToGovernInformation WeightsToGovernInformation GoverningTradeRuleInformation PaymentTerms PremiumAndDiscountInformation SpecialTerms Remark
used by	element ContractDetails
source	<xsd:element name="ContractDetail"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ContractCommodityInformation"/> <xsd:element ref="ContractQualityInformation" minOccurs="0"/> <xsd:element ref="ContractQuantity"/> <xsd:element ref="QuantityToleranceInformation" minOccurs="0"/> <xsd:element ref="PriceType"/> <xsd:element ref="PriceInformation" minOccurs="0"/> <xsd:element ref="ShipmentOrDeliveryPeriod"/> <xsd:element ref="DeliveryBasis"/> <xsd:element ref="BasisPointInformation"/> <xsd:element ref="TransportationInformation"/> <xsd:element ref="GradesToGovernInformation"/> <xsd:element ref="WeightsToGovernInformation"/> <xsd:element ref="GoverningTradeRuleInformation"/> <xsd:element ref="PaymentTerms"/> <xsd:element ref="PremiumAndDiscountInformation" minOccurs="0"/> <xsd:element ref="SpecialTerms" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

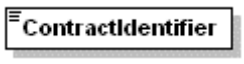
element **ContractDetails**

diagram	
namespace	http://www.agxml.org/schemas
children	ContractDetail
used by	element Contract
source	<xsd:element name="ContractDetails"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ContractDetail" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ContractHeader**

diagram	
namespace	http://www.agxml.org/schemas
children	ContractOriginatorInformation ContractDateTime Buyer Seller Agent ReferenceIdentifier Remark
used by	element Contract
source	<xsd:element name="ContractHeader"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ContractOriginatorInformation"/> <xsd:element ref="ContractDateTime"/> <xsd:element ref="Buyer"/> <xsd:element ref="Seller"/> <xsd:element ref="Agent" minOccurs="0"/> <xsd:element ref="ReferenceIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ContractIdentifier**

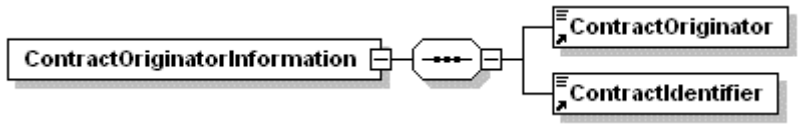
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements Agent Buyer ContractOriginatorInformation Seller
source	<xsd:element name="ContractIdentifier" type="xsd:string"/>

element **ContractOriginator**

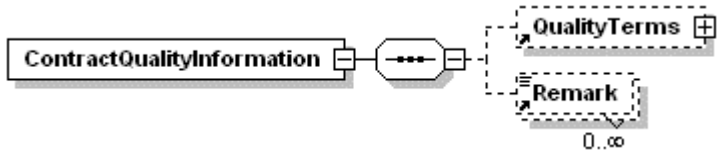
diagram	

namespace	http://www.agxml.org/schemas
type	ContractOriginator
used by	element ContractOriginatorInformation
facets	enumeration Buyer enumeration Seller enumeration Agent
source	<xsd:element name="ContractOriginator" type="ContractOriginator"/>

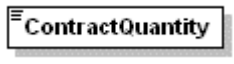
element **ContractOriginatorInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	ContractOriginator ContractIdentifier
used by	element ContractHeader
source	<xsd:element name="ContractOriginatorInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ContractOriginator"/> <xsd:element ref="ContractIdentifier"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ContractQualityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	QualityTerms Remark
used by	element ContractDetail
source	<xsd:element name="ContractQualityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="QualityTerms" minOccurs="0"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ContractQuantity**

diagram	

namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **ContractDetail**
attributes	Name: commodityUnitOfMeasure; Type: CommodityUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="ContractQuantity"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **Date**

diagram	Date
namespace	http://www.agxml.org/schemas
type	**xsd:date**
used by	elements **ContractDateTime** **SpecialTermRateBegin** **SpecialTermRateEnd**
source	<xsd:element name="Date" type="xsd:date"/>

element **DeliveryBasis**

diagram	DeliveryBasis
namespace	http://www.agxml.org/schemas
type	**DeliveryBasis**
used by	element **ContractDetail**
facets	enumeration CIF enumeration CIFFO enumeration CNF enumeration CNFFO enumeration Delivered enumeration FAS enumeration FOB enumeration FOB Farm enumeration FST enumeration In-store
source	<xsd:element name="DeliveryBasis" type="DeliveryBasis"/>

element **EndingDate**

diagram	EndingDate
namespace	http://www.agxml.org/schemas

type	**xsd:date**
used by	element **ShipmentOrDeliveryPeriod**
source	<xsd:element name="EndingDate" type="xsd:date"/>

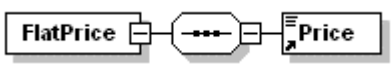
element **EquipmentType**

diagram	
namespace	http://www.agxml.org/schemas
type	**EquipmentType**
used by	element **TransportationInformation**
facets	enumeration Auger enumeration Barge enumeration Box enumeration Container enumeration Covered Hopper enumeration Double Trailer enumeration Flat-Bed enumeration Hi-Cube enumeration Hydrolic enumeration Lash Barge enumeration Laker enumeration Open Hopper enumeration Other enumeration Panamax enumeration Rake enumeration Rail enumeration Sacked enumeration Self-Trimming enumeration Self-Unloader enumeration Ship enumeration Small-Cube enumeration Tanker enumeration Truck enumeration Tween-Decker enumeration Unit Train
source	<xsd:element name="EquipmentType" type="EquipmentType"/>

element **Event**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **SpecialTermRateBegin** **SpecialTermRateEnd**
source	<xsd:element name="Event" type="xsd:string"/>

element **FlatPrice**

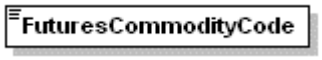
diagram	

namespace	http://www.agxml.org/schemas
children	**Price**
used by	element **PriceInformation**
source	<xsd:element name="FlatPrice"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Price"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **FreightCarrier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **TransportationInformation**
source	<xsd:element name="FreightCarrier" type="xsd:string"/>

element **FuturesCommodityCode**

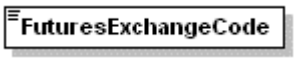
diagram	
namespace	http://www.agxml.org/schemas
type	**FuturesCommodityCode**
used by	element **FuturesInformation**
facets	enumeration C enumeration DW enumeration KW enumeration MW enumeration NW enumeration O enumeration S enumeration SM enumeration W enumeration XC enumeration XE enumeration XO enumeration XS enumeration XW
source	<xsd:element name="FuturesCommodityCode" type="FuturesCommodityCode"/>

element **FuturesCommodityName**

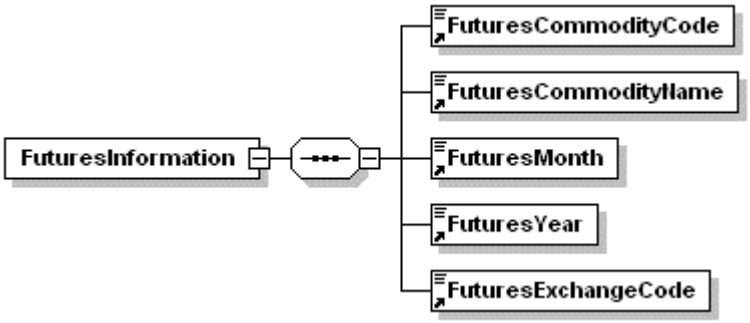
diagram	
namespace	http://www.agxml.org/schemas
type	**FuturesCommodityName**

used by	element FuturesInformation
facets	enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Oats enumeration Soft Red Winter Wheat enumeration Soybean Meal enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="FuturesCommodityName" type="FuturesCommodityName"/>

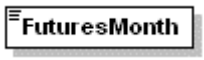
element **FuturesExchangeCode**

diagram	
namespace	http://www.agxml.org/schemas
type	FuturesExchangeCode
used by	element FuturesInformation
facets	enumeration CBOT enumeration KCBOT enumeration MGE enumeration MIDAM
source	<xsd:element name="FuturesExchangeCode" type="FuturesExchangeCode"/>

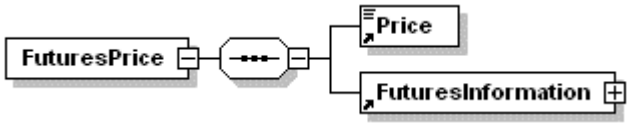
element **FuturesInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	FuturesCommodityCode FuturesCommodityName FuturesMonth FuturesYear FuturesExchangeCode
used by	elements BasisPrice FuturesPrice
source	<xsd:element name="FuturesInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FuturesCommodityCode"/> <xsd:element ref="FuturesCommodityName"/> <xsd:element ref="FuturesMonth"/> <xsd:element ref="FuturesYear"/> <xsd:element ref="FuturesExchangeCode"/> </xsd:sequence> </xsd:complexType> </xsd:element>

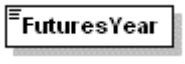
element **FuturesMonth**

diagram	
namespace	http://www.agxml.org/schemas
type	MonthsOfYear
used by	element FuturesInformation
facets	enumeration January enumeration February enumeration March enumeration April enumeration May enumeration June enumeration July enumeration August enumeration September enumeration October enumeration November enumeration December
source	<xsd:element name="FuturesMonth" type="MonthsOfYear"/>

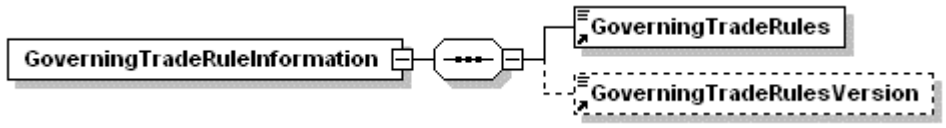
element **FuturesPrice**

diagram	
namespace	http://www.agxml.org/schemas
children	Price FuturesInformation
used by	element PriceInformation
source	<xsd:element name="FuturesPrice"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Price"/> <xsd:element ref="FuturesInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **FuturesYear**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element FuturesInformation
source	<xsd:element name="FuturesYear" type="xsd:string"/>

element **GoverningTradeRuleInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	GoverningTradeRules GoverningTradeRulesVersion
used by	element ContractDetail
source	<xsd:element name="GoverningTradeRuleInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="GoverningTradeRules"/> <xsd:element ref="GoverningTradeRulesVersion" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **GoverningTradeRules**

diagram	
namespace	http://www.agxml.org/schemas
type	GoverningTradeRules
used by	element GoverningTradeRuleInformation
facets	enumeration FOSFA enumeration GAFTA enumeration KCBOT enumeration MGE enumeration NAEGA 2 enumeration NCPA enumeration NGFA enumeration NOPA enumeration PME
source	<xsd:element name="GoverningTradeRules" type="GoverningTradeRules"/>

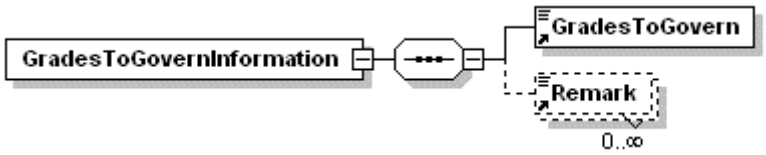
element **GoverningTradeRulesVersion**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element GoverningTradeRuleInformation
source	<xsd:element name="GoverningTradeRulesVersion" type="xsd:string"/>

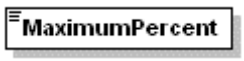
element **GradesToGovern**

diagram	
namespace	http://www.agxml.org/schemas
type	GradesToGovern
used by	element GradesToGovernInformation
facets	enumeration Destination House enumeration Destination Official enumeration Destination Submit enumeration First Certified enumeration First Official enumeration Origin House enumeration Origin Official enumeration Origin Submit
source	<xsd:element name="GradesToGovern" type="GradesToGovern"/>

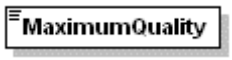
element **GradesToGovernInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	GradesToGovern Remark
used by	element ContractDetail
source	<xsd:element name="GradesToGovernInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="GradesToGovern"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

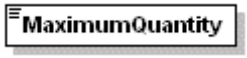
element **MaximumPercent**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:decimal**
used by	element TolerancePercentRange
source	<xsd:element name="MaximumPercent" type="xsd:decimal"/>

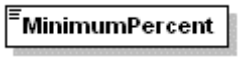
element **MaximumQuality**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:decimal**
used by	elements **QualityMinimumAndMaximum** **QualityTolerance**
source	<xsd:element name="MaximumQuality" type="xsd:decimal"/>

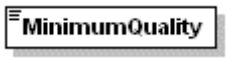
element **MaximumQuantity**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:decimal**
used by	element **ToleranceQuantityRange**
source	<xsd:element name="MaximumQuantity" type="xsd:decimal"/>

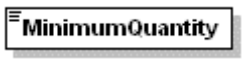
element **MinimumPercent**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:decimal**
used by	element **TolerancePercentRange**
source	<xsd:element name="MinimumPercent" type="xsd:decimal"/>

element **MinimumQuality**

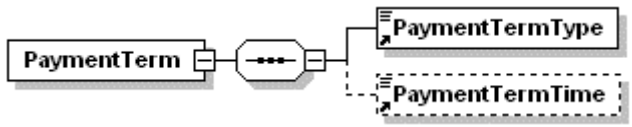
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:decimal**
used by	elements **QualityMinimumAndMaximum** **QualityTolerance**
source	<xsd:element name="MinimumQuality" type="xsd:decimal"/>

element **MinimumQuantity**

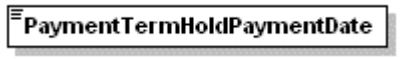
diagram	
namespace	http://www.agxml.org/schemas

type	**xsd:decimal**
used by	element **ToleranceQuantityRange**
source	<xsd:element name="MinimumQuantity" type="xsd:decimal"/>

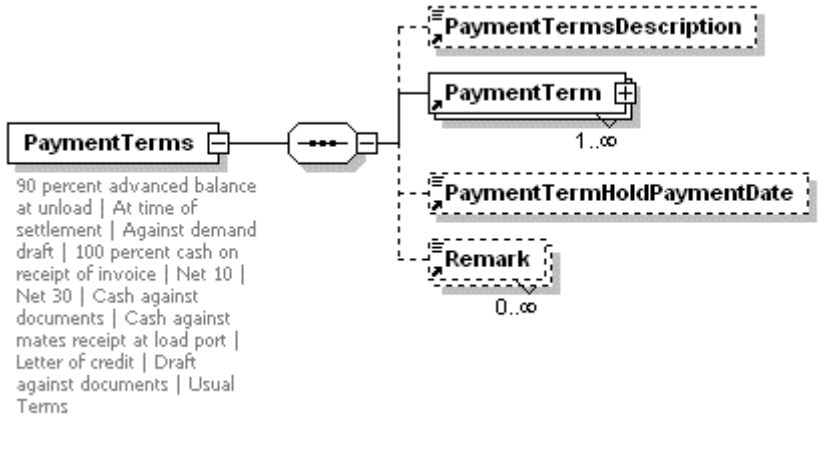
element **PaymentTerm**

diagram	
namespace	http://www.agxml.org/schemas
children	**PaymentTermType** **PaymentTermTime**
used by	element **PaymentTerms**
source	<xsd:element name="PaymentTerm"> <xsd:complexType> <xsd:sequence> <xsd:element ref="PaymentTermType"/> <xsd:element ref="PaymentTermTime" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **PaymentTermHoldPaymentDate**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:date**
used by	element **PaymentTerms**
source	<xsd:element name="PaymentTermHoldPaymentDate" type="xsd:date"/>

element **PaymentTerms**

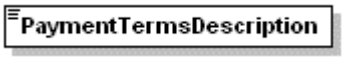
diagram	

namespace	http://www.agxml.org/schemas
children	PaymentTermsDescription PaymentTerm PaymentTermHoldPaymentDate Remark
used by	element ContractDetail
annotation	documentation 90 percent advanced balance at unload | At time of settlement | Against demand draft | 100 percent cash on receipt of invoice | Net 10 | Net 30 | Cash against documents | Cash against mates receipt at load port | Letter of credit | Draft against documents | Usual Terms

source

```
<xsd:element name="PaymentTerms">
 <xsd:annotation>
  <xsd:documentation>90 percent advanced balance at unload | At time of settlement | Against demand draft | 100 percent cash on receipt of invoice | Net 10 | Net 30 | Cash against documents | Cash against mates receipt at load port | Letter of credit | Draft against documents | Usual Terms
</xsd:documentation>
 </xsd:annotation>
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="PaymentTermsDescription" minOccurs="0"/>
   <xsd:element ref="PaymentTerm" maxOccurs="unbounded"/>
   <xsd:element ref="PaymentTermHoldPaymentDate" minOccurs="0"/>
   <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>
```

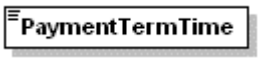
element **PaymentTermsDescription**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element PaymentTerms

source

```
<xsd:element name="PaymentTermsDescription" type="xsd:string"/>
```

element **PaymentTermTime**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element PaymentTerm

attributes

Name	Type	Use	Default	Fixed
timeUnitOfMeasure	TimeUnitOfMeasure	optional		

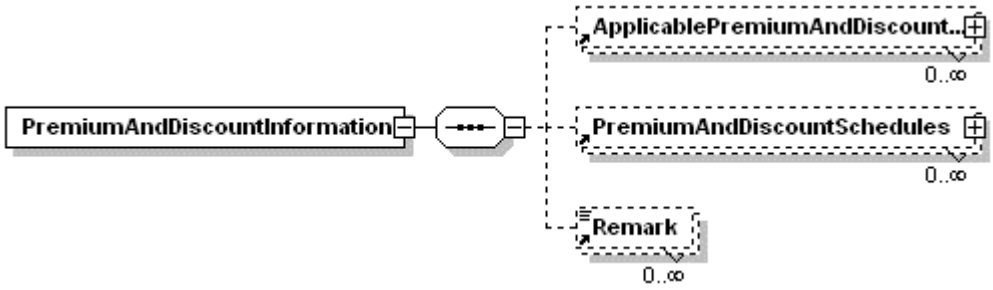
source

```
<xsd:element name="PaymentTermTime">
 <xsd:complexType>
  <xsd:simpleContent>
   <xsd:extension base="xsd:decimal">
    <xsd:attribute name="timeUnitOfMeasure" type="TimeUnitOfMeasure" use="optional"/>
   </xsd:extension>
  </xsd:simpleContent>
 </xsd:complexType>
</xsd:element>
```

element **PaymentTermType**

diagram	
namespace	http://www.agxml.org/schemas
type	PaymentTermType
used by	element PaymentTerm
facets	enumeration At Time of Settlement enumeration Bill of Lading enumeration Bonded by Warehouse enumeration Cash Against Documents enumeration Cash Against Mates Receipt enumeration Cash in Advance enumeration Draft Bill of Lading enumeration Letter of Credit enumeration Letter of Credit Draft Bill of Lading enumeration Inter-Department Transfer enumeration Net enumeration Prepay enumeration Sight Draft enumeration Wire Transfer enumeration Wire Transfer Against Invoice and Documents enumeration Usual Terms
source	<xsd:element name="PaymentTermType" type="PaymentTermType"/>

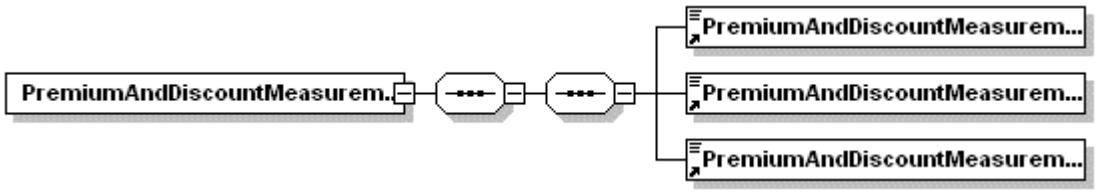
element **PremiumAndDiscountInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	ApplicablePremiumAndDiscountSchedules PremiumAndDiscountSchedules Remark
used by	element ContractDetail
source	<xsd:element name="PremiumAndDiscountInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ApplicablePremiumAndDiscountSchedules" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="PremiumAndDiscountSchedules" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **PremiumAndDiscountLimitCondition**

diagram	
namespace	http://www.agxml.org/schemas
type	**PremiumAndDiscountLimitCondition**
used by	element **PremiumAndDiscountSchedule**
facets	enumeration Negotiate enumeration Reject enumeration Subject to Rejection
source	<xsd:element name="PremiumAndDiscountLimitCondition" type="PremiumAndDiscountLimitCondition"/>

element **PremiumAndDiscountMeasurement**

diagram	
namespace	http://www.agxml.org/schemas
children	**PremiumAndDiscountMeasurementFrom** **PremiumAndDiscountMeasurementTo** **PremiumAndDiscountMeasurementIncrement**
used by	element **PremiumAndDiscountSchedule**
attributes	Name: qualityFactorUnitOfMeasure; Type: QualityFactorUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="PremiumAndDiscountMeasurement"> <xsd:complexType> <xsd:sequence> <xsd:sequence> <xsd:element ref="PremiumAndDiscountMeasurementFrom"/> <xsd:element ref="PremiumAndDiscountMeasurementTo"/> <xsd:element ref="PremiumAndDiscountMeasurementIncrement"/> </xsd:sequence> </xsd:sequence> <xsd:attribute name="qualityFactorUnitOfMeasure" type="QualityFactorUnitOfMeasure" use="required"/> </xsd:complexType> </xsd:element>

element **PremiumAndDiscountMeasurementCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **PremiumAndDiscountMeasurementInformation**
source	<xsd:element name="PremiumAndDiscountMeasurementCode" type="xsd:string"/>

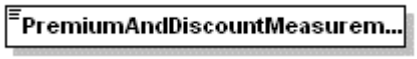
element **PremiumAndDiscountMeasurementExistsFlag**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **PremiumAndDiscountSchedule**
source	<xsd:element name="PremiumAndDiscountMeasurementExistsFlag" type="xsd:boolean"/>

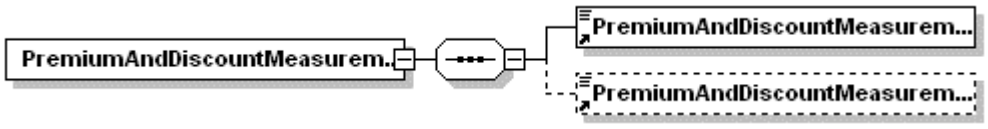
element **PremiumAndDiscountMeasurementFrom**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:decimal**
used by	element **PremiumAndDiscountMeasurement**
source	<xsd:element name="PremiumAndDiscountMeasurementFrom" type="xsd:decimal"/>

element **PremiumAndDiscountMeasurementIncrement**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:decimal**
used by	element **PremiumAndDiscountMeasurement**
source	<xsd:element name="PremiumAndDiscountMeasurementIncrement" type="xsd:decimal"/>

element **PremiumAndDiscountMeasurementInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**PremiumAndDiscountMeasurementName** **PremiumAndDiscountMeasurementCode**
used by	element **PremiumAndDiscountSchedules**
source	<xsd:element name="PremiumAndDiscountMeasurementInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="PremiumAndDiscountMeasurementName"/> <xsd:element ref="PremiumAndDiscountMeasurementCode" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **PremiumAndDiscountMeasurementName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **PremiumAndDiscountMeasurementInformation**
source	<xsd:element name="PremiumAndDiscountMeasurementName" type="xsd:string"/>

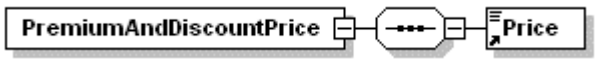
element **PremiumAndDiscountMeasurementTo**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:decimal**
used by	element **PremiumAndDiscountMeasurement**
source	<xsd:element name="PremiumAndDiscountMeasurementTo" type="xsd:decimal"/>

element **PremiumAndDiscountMeasurementType**

diagram	
namespace	http://www.agxml.org/schemas
type	**PremiumAndDiscountMeasurementType**
used by	element **PremiumAndDiscountSchedules**
facets	enumeration Quality Factor enumeration Grade
source	<xsd:element name="PremiumAndDiscountMeasurementType" type="PremiumAndDiscountMeasurementType"/>

element **PremiumAndDiscountPrice**

diagram	
namespace	http://www.agxml.org/schemas
children	**Price**
used by	element **PremiumAndDiscountSchedule**
source	<xsd:element name="PremiumAndDiscountPrice"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Price"/> </xsd:sequence> </xsd:complexType> </xsd:element>

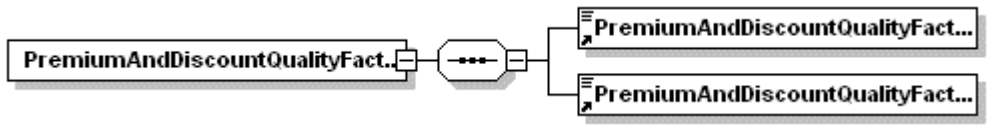
element **PremiumAndDiscountQualityFactorCode**

diagram	
namespace	http://www.agxml.org/schemas
type	QualityFactorCode
used by	element PremiumAndDiscountQualityFactorInformation
facets	enumeration ADM enumeration AFLATOXIN enumeration ANFL enumeration BADS enumeration BADW enumeration BC enumeration BCFM enumeration BLCH enumeration BLAL enumeration BLB enumeration BLIT enumeration BN enumeration BNFM enumeration BNS enumeration BRDX enumeration BRIT enumeration C enumeration CADM enumeration CBUR enumeration CCL enumeration CH enumeration CL enumeration COFO enumeration CROT enumeration CRSE enumeration CSF enumeration CSTB enumeration DEF enumeration DENT enumeration DGK enumeration DH enumeration DHV enumeration DIAT enumeration DISC enumeration DK enumeration DKT enumeration DKG enumeration DLQ enumeration DYED enumeration EHVY enumeration ERC enumeration ERG enumeration FDK enumeration FINE enumeration FLIN enumeration FLAD enumeration FM enumeration FMOR enumeration FMOW enumeration FMWR enumeration FN enumeration FSUB enumeration GAR enumeration GARB enumeration GLAS enumeration GERM

	enumeration	GLUC
	enumeration	GR
	enumeration	HARD
	enumeration	HT
	enumeration	HRS
	enumeration	HRW
	enumeration	HTG
	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF
	enumeration	IBHT
	enumeration	IBM
	enumeration	IDK
	enumeration	INF
	enumeration	LGAR
	enumeration	LGST
	enumeration	LIME
	enumeration	LSM
	enumeration	LW
	enumeration	M
	enumeration	MB
	enumeration	MDK
	enumeration	MDKG
	enumeration	MOTH
	enumeration	MSFM
	enumeration	MUST
	enumeration	MWTH
	enumeration	NSG
	enumeration	OCL
	enumeration	OCOL
	enumeration	ODK
	enumeration	ODOR
	enumeration	OG
	enumeration	OIL
	enumeration	OLI
	enumeration	OT
	enumeration	OWH
	enumeration	PL
	enumeration	PMS
	enumeration	PROT
	enumeration	RODX
	enumeration	SB
	enumeration	SBAL
	enumeration	SBLY
	enumeration	SBOC
	enumeration	SC
	enumeration	SCOR
	enumeration	SCT
	enumeration	SCL
	enumeration	SG
	enumeration	SHBN
	enumeration	SKBN
	enumeration	SKD
	enumeration	SLW
	enumeration	SMUT
	enumeration	SMT
	enumeration	SO
	enumeration	SOUR
	enumeration	SPL
	enumeration	SS
	enumeration	STON
	enumeration	STND
	enumeration	SULF
	enumeration	THIN
	enumeration	TOM

	enumeration TRET enumeration TW enumeration UMT enumeration UNCL enumeration VOMITOXIN enumeration WASH enumeration WAXY enumeration WB enumeration WBG enumeration WHAL enumeration WHT enumeration WO enumeration WOCL enumeration X
source	<xsd:element name="PremiumAndDiscountQualityFactorCode" type="QualityFactorCode"/>

element **PremiumAndDiscountQualityFactorInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	PremiumAndDiscountQualityFactorName PremiumAndDiscountQualityFactorCode
used by	element PremiumAndDiscountSchedules
source	<xsd:element name="PremiumAndDiscountQualityFactorInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="PremiumAndDiscountQualityFactorName"/> <xsd:element ref="PremiumAndDiscountQualityFactorCode"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **PremiumAndDiscountQualityFactorName**

diagram	
namespace	http://www.agxml.org/schemas
type	QualityFactorName
used by	element PremiumAndDiscountQualityFactorInformation
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass

	enumeration	Broken Glass
	enumeration	Broken Kernels
	enumeration	Broken Kernels and Foreign Material
	enumeration	Castor Beans
	enumeration	Choice
	enumeration	Class
	enumeration	Coarse
	enumeration	Cockleburs
	enumeration	Commercially Objectionable Foreign Odor
	enumeration	Conspicuous Admixture
	enumeration	Contrasting Classes
	enumeration	Corn
	enumeration	Crotalaria
	enumeration	Cultivated Sunflower Seed
	enumeration	Damaged Kernels
	enumeration	Damaged Kernels (total)
	enumeration	Dark Hard and Vitreous
	enumeration	Defects (total)
	enumeration	Dehulled
	enumeration	Dent
	enumeration	Diatomaceous Earth
	enumeration	Distinctly Discolored
	enumeration	Distinctly Green Kernels
	enumeration	Distinctly Low Quality
	enumeration	Dockage
	enumeration	Dyed
	enumeration	Ergoty
	enumeration	Erucic Acid
	enumeration	Extra Heavy
	enumeration	Falling Numbers
	enumeration	Fine Foreign Material
	enumeration	Flint
	enumeration	Flint and Dent
	enumeration	Foreign Material
	enumeration	Foreign Material Other than Rye
	enumeration	Foreign Material Other than Wheat
	enumeration	Foreign Material Other than Wheat or Rye
	enumeration	Frost-damaged Kernels
	enumeration	Garlic Bulblets
	enumeration	Garlicky
	enumeration	Glucosinolates
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture

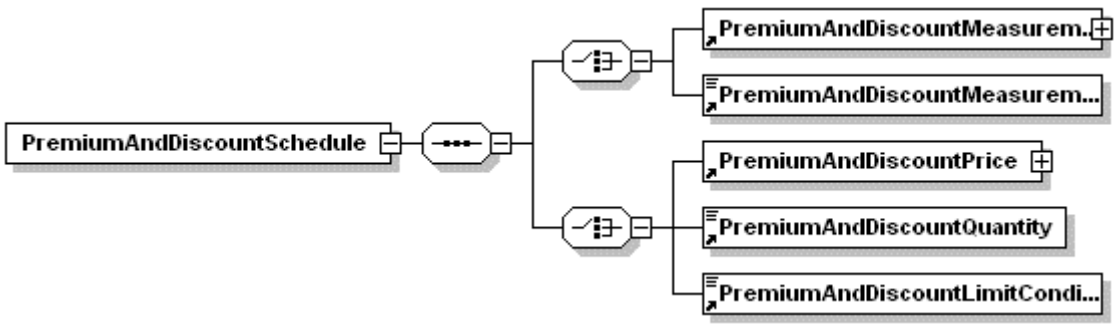
	enumeration Mold-damaged Kernels enumeration Musty enumeration Not Standardized Grain enumeration Odor enumeration Oil enumeration Other Classes enumeration Other Colors enumeration Other Damaged Kernels enumeration Other Grains enumeration Other Live Insects Injurious to Stored Grain enumeration Other Types enumeration Other White Wheat enumeration Plump enumeration Protein enumeration Purple Mottled or Stained enumeration Rodent Excreta enumeration Sample Grade enumeration Sclerotinia enumeration Scoured enumeration Shrunken and Broken Kernels enumeration Similar Seeds enumeration Skinned and Broken Kernels enumeration Slightly Weathered enumeration Smut Balls enumeration Smutty enumeration Sound Barley enumeration Sound Oats enumeration Sour enumeration Soybeans enumeration Soybeans of Other Colors enumeration Splits enumeration Stained enumeration Stinkbug Damaged enumeration Stones enumeration Stress Cracks enumeration Subclass enumeration Suitable Malting Type enumeration Sulfured enumeration Test Weight enumeration Thin enumeration Total Other Material enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:element name="PremiumAndDiscountQualityFactorName" type="QualityFactorName"/>

element **PremiumAndDiscountQuantity**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**

used by	element **PremiumAndDiscountSchedule**
attributes	Name: premiumAndDiscountQuantityType; Type: PremiumAndDiscountQuantityType; Use: optional; Default: ; Fixed:
source	<xsd:element name="PremiumAndDiscountQuantity"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="premiumAndDiscountQuantityType" type="PremiumAndDiscountQuantityType" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **PremiumAndDiscountSchedule**

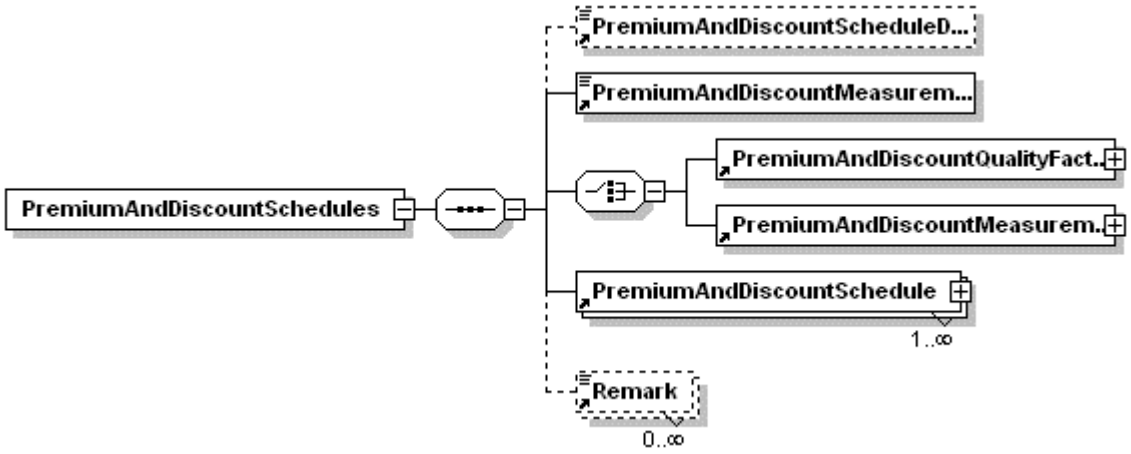
diagram	
namespace	http://www.agxml.org/schemas
children	**PremiumAndDiscountMeasurement** **PremiumAndDiscountMeasurementExistsFlag** **PremiumAndDiscountPrice** **PremiumAndDiscountQuantity** **PremiumAndDiscountLimitCondition**
used by	element **PremiumAndDiscountSchedules**
source	<xsd:element name="PremiumAndDiscountSchedule"> <xsd:complexType> <xsd:sequence> <xsd:choice> <xsd:element ref="PremiumAndDiscountMeasurement"/> <xsd:element ref="PremiumAndDiscountMeasurementExistsFlag"/> </xsd:choice> <xsd:choice> <xsd:element ref="PremiumAndDiscountPrice"/> <xsd:element ref="PremiumAndDiscountQuantity"/> <xsd:element ref="PremiumAndDiscountLimitCondition"/> </xsd:choice> </xsd:sequence> </xsd:complexType> </xsd:element>

element **PremiumAndDiscountScheduleDescription**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **PremiumAndDiscountSchedules**

source	<xsd:element name="PremiumAndDiscountScheduleDescription" type="xsd:string"/>

element **PremiumAndDiscountSchedules**

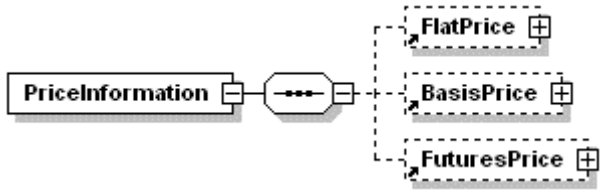
diagram	
namespace	http://www.agxml.org/schemas
children	PremiumAndDiscountScheduleDescription PremiumAndDiscountMeasurementType PremiumAndDiscountQualityFactorInformation PremiumAndDiscountMeasurementInformation PremiumAndDiscountSchedule Remark
used by	element PremiumAndDiscountInformation
source	<xsd:element name="PremiumAndDiscountSchedules"> <xsd:complexType> <xsd:sequence> <xsd:element ref="PremiumAndDiscountScheduleDescription" minOccurs="0"/> <xsd:element ref="PremiumAndDiscountMeasurementType"/> <xsd:choice> <xsd:element ref="PremiumAndDiscountQualityFactorInformation"/> <xsd:element ref="PremiumAndDiscountMeasurementInformation"/> </xsd:choice> <xsd:element ref="PremiumAndDiscountSchedule" maxOccurs="unbounded"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **Price**

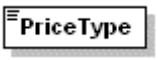
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	elements BasisPrice FlatPrice FuturesPrice PremiumAndDiscountPrice SpecialTermRate
attributes	Name: currencyCode, commodityUnitOfMeasure Type: CurrencyCode, CommodityUnitOfMeasure Use: required, required Default: Fixed:
source	<xsd:element name="Price"> <xsd:complexType> <xsd:simpleContent>

```
    <xsd:extension base="xsd:decimal">
      <xsd:attribute name="currencyCode" type="CurrencyCode" use="required"/>
      <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="required"/>
    </xsd:extension>
  </xsd:simpleContent>
 </xsd:complexType>
</xsd:element>
```

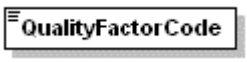
element **PriceInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	FlatPrice BasisPrice FuturesPrice
used by	element ContractDetail
source	<xsd:element name="PriceInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FlatPrice" minOccurs="0"/> <xsd:element ref="BasisPrice" minOccurs="0"/> <xsd:element ref="FuturesPrice" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **PriceType**

diagram	
namespace	http://www.agxml.org/schemas
type	PriceType
used by	element ContractDetail
facets	enumeration Basis enumeration Delayed Price enumeration Flat enumeration Futures
source	<xsd:element name="PriceType" type="PriceType"/>

element **QualityFactorCode**

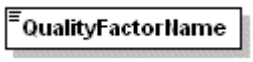
diagram	
namespace	http://www.agxml.org/schemas
type	QualityFactorCode
used by	element QualityTerm
facets	enumeration ADM enumeration AFLATOXIN

	enumeration	AFLATOXIN
	enumeration	ANFL
	enumeration	BADS
	enumeration	BADW
	enumeration	BC
	enumeration	BCFM
	enumeration	BLCH
	enumeration	BLAL
	enumeration	BLB
	enumeration	BLIT
	enumeration	BN
	enumeration	BNFM
	enumeration	BNS
	enumeration	BRDX
	enumeration	BRIT
	enumeration	C
	enumeration	CADM
	enumeration	CBUR
	enumeration	CCL
	enumeration	CH
	enumeration	CL
	enumeration	COFO
	enumeration	CROT
	enumeration	CRSE
	enumeration	CSF
	enumeration	CSTB
	enumeration	DEF
	enumeration	DENT
	enumeration	DGK
	enumeration	DH
	enumeration	DHV
	enumeration	DIAT
	enumeration	DISC
	enumeration	DK
	enumeration	DKT
	enumeration	DKG
	enumeration	DLQ
	enumeration	DYED
	enumeration	EHVY
	enumeration	ERC
	enumeration	ERG
	enumeration	FDK
	enumeration	FINE
	enumeration	FLIN
	enumeration	FLAD
	enumeration	FM
	enumeration	FMOR
	enumeration	FMOW
	enumeration	FMWR
	enumeration	FN
	enumeration	FSUB
	enumeration	GAR
	enumeration	GARB
	enumeration	GLAS
	enumeration	GERM
	enumeration	GLUC
	enumeration	GR
	enumeration	HARD
	enumeration	HT
	enumeration	HRS
	enumeration	HRW
	enumeration	HTG
	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF

	enumeration IBHT
	enumeration IBM
	enumeration IDK
	enumeration INF
	enumeration LGAR
	enumeration LGST
	enumeration LIME
	enumeration LSM
	enumeration LW
	enumeration M
	enumeration MB
	enumeration MDK
	enumeration MDKG
	enumeration MOTH
	enumeration MSFM
	enumeration MUST
	enumeration MWTH
	enumeration NSG
	enumeration OCL
	enumeration OCOL
	enumeration ODK
	enumeration ODOR
	enumeration OG
	enumeration OIL
	enumeration OLI
	enumeration OT
	enumeration OWH
	enumeration PL
	enumeration PMS
	enumeration PROT
	enumeration RODX
	enumeration SB
	enumeration SBAL
	enumeration SBLY
	enumeration SBOC
	enumeration SC
	enumeration SCOR
	enumeration SCT
	enumeration SCL
	enumeration SG
	enumeration SHBN
	enumeration SKBN
	enumeration SKD
	enumeration SLW
	enumeration SMUT
	enumeration SMT
	enumeration SO
	enumeration SOUR
	enumeration SPL
	enumeration SS
	enumeration STON
	enumeration STND
	enumeration SULF
	enumeration THIN
	enumeration TOM
	enumeration TRET
	enumeration TW
	enumeration UMT
	enumeration UNCL
	enumeration VOMITOXIN
	enumeration WASH
	enumeration WAXY
	enumeration WB
	enumeration WBG
	enumeration WHAL
	enumeration WHT
	enumeration WO
	enumeration WOCL

	enumeration X
source	<xsd:element name="QualityFactorCode" type="QualityFactorCode"/>

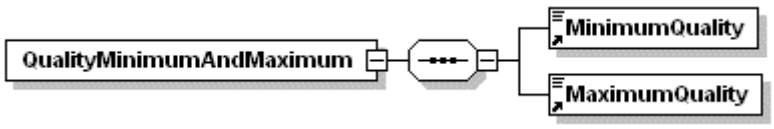
element **QualityFactorName**

diagram	
namespace	http://www.agxml.org/schemas
type	QualityFactorName
used by	element QualityTerm
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass enumeration Broken Kernels enumeration Broken Kernels and Foreign Material enumeration Castor Beans enumeration Choice enumeration Class enumeration Coarse enumeration Cockleburs enumeration Commercially Objectionable Foreign Odor enumeration Conspicuous Admixture enumeration Contrasting Classes enumeration Corn enumeration Crotalaria enumeration Cultivated Sunflower Seed enumeration Damaged Kernels enumeration Damaged Kernels (total) enumeration Dark Hard and Vitreous enumeration Defects (total) enumeration Dehulled enumeration Dent enumeration Diatomaceous Earth enumeration Distinctly Discolored enumeration Distinctly Green Kernels enumeration Distinctly Low Quality enumeration Dockage enumeration Dyed enumeration Ergoty enumeration Erucic Acid enumeration Extra Heavy enumeration Falling Numbers enumeration Fine Foreign Material enumeration Flint enumeration Flint and Dent enumeration Foreign Material enumeration Foreign Material Other than Rye enumeration Foreign Material Other than Wheat enumeration Foreign Material Other than Wheat or Rye enumeration Frost-damaged Kernels enumeration Garlic Bulblets

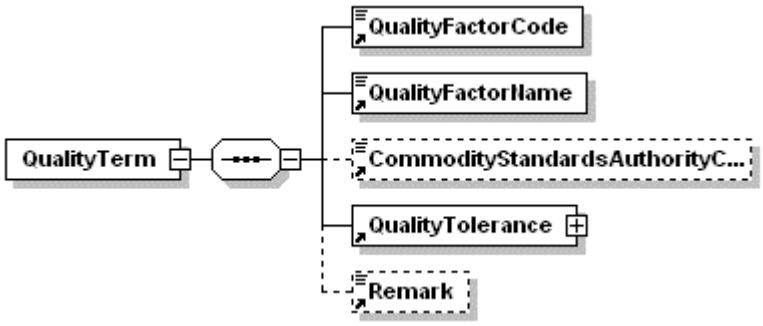
	enumeration	Garlic Bulblets
	enumeration	Garlicky
	enumeration	Glucosinolates
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture
	enumeration	Mold-damaged Kernels
	enumeration	Musty
	enumeration	Not Standardized Grain
	enumeration	Odor
	enumeration	Oil
	enumeration	Other Classes
	enumeration	Other Colors
	enumeration	Other Damaged Kernels
	enumeration	Other Grains
	enumeration	Other Live Insects Injurious to Stored Grain
	enumeration	Other Types
	enumeration	Other White Wheat
	enumeration	Plump
	enumeration	Protein
	enumeration	Purple Mottled or Stained
	enumeration	Rodent Excreta
	enumeration	Sample Grade
	enumeration	Sclerotinia
	enumeration	Scoured
	enumeration	Shrunken and Broken Kernels
	enumeration	Similar Seeds
	enumeration	Skinned and Broken Kernels
	enumeration	Slightly Weathered
	enumeration	Smut Balls
	enumeration	Smutty
	enumeration	Sound Barley
	enumeration	Sound Oats
	enumeration	Sour
	enumeration	Soybeans
	enumeration	Soybeans of Other Colors
	enumeration	Splits
	enumeration	Stained
	enumeration	Stinkbug Damaged
	enumeration	Stones
	enumeration	Stress Cracks
	enumeration	Subclass
	enumeration	Suitable Malting Type
	enumeration	Sulfured

	enumeration Test Weight enumeration Thin enumeration Total Other Material enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:element name="QualityFactorName" type="QualityFactorName"/>

element **QualityMinimumAndMaximum**

diagram	
namespace	http://www.agxml.org/schemas
children	MinimumQuality MaximumQuality
used by	element QualityTolerance
source	<xsd:element name="QualityMinimumAndMaximum"> <xsd:complexType> <xsd:sequence> <xsd:element ref="MinimumQuality"/> <xsd:element ref="MaximumQuality"/> </xsd:sequence> </xsd:complexType> </xsd:element>

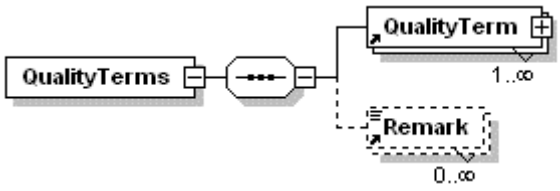
element **QualityTerm**

diagram	
namespace	http://www.agxml.org/schemas
children	QualityFactorCode QualityFactorName CommodityStandardsAuthorityCode QualityTolerance Remark
used by	element QualityTerms
source	<xsd:element name="QualityTerm">

```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="QualityFactorCode"/>
    <xsd:element ref="QualityFactorName"/>
    <xsd:element ref="CommodityStandardsAuthorityCode" minOccurs="0"/>
    <xsd:element ref="QualityTolerance"/>
    <xsd:element ref="Remark" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

element **QualityTerms**

diagram



namespace: http://www.agxml.org/schemas

children: **QualityTerm** **Remark**

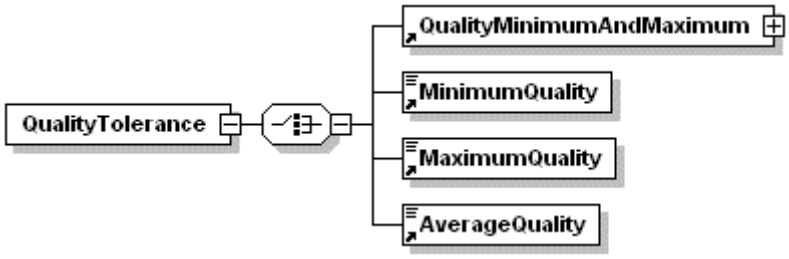
used by: element **ContractQualityInformation**

source

```
<xsd:element name="QualityTerms">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="QualityTerm" maxOccurs="unbounded"/>
   <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>
```

element **QualityTolerance**

diagram



namespace: http://www.agxml.org/schemas

children: **QualityMinimumAndMaximum** **MinimumQuality** **MaximumQuality** **AverageQuality**

used by: element **QualityTerm**

attributes

Name	Type	Use	Default	Fixed
qualityFactorUnitOfMeasure	QualityFactorUnitOfMeasure	required		
qualityGrouping	QualityGrouping	required		

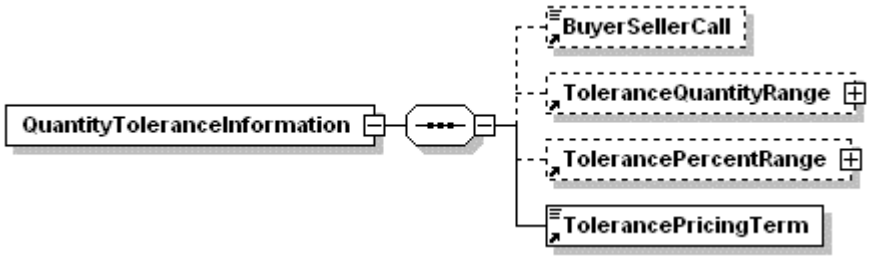
source

```
<xsd:element name="QualityTolerance">
 <xsd:complexType>
  <xsd:choice>
   <xsd:element ref="QualityMinimumAndMaximum"/>
   <xsd:element ref="MinimumQuality"/>
```

```
    <xsd:element ref="MaximumQuality"/>
    <xsd:element ref="AverageQuality"/>
   </xsd:choice>
   <xsd:attribute name="qualityFactorUnitOfMeasure" type="QualityFactorUnitOfMeasure" use="required"/>
   <xsd:attribute name="qualityGrouping" type="QualityGrouping" use="required"/>
  </xsd:complexType>
</xsd:element>
```

element **QuantityToleranceInformation**

diagram



namespace: http://www.agxml.org/schemas

children: **BuyerSellerCall** **ToleranceQuantityRange** **TolerancePercentRange** **TolerancePricingTerm**

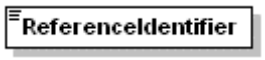
used by: element **ContractDetail**

source

```
<xsd:element name="QuantityToleranceInformation">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="BuyerSellerCall" minOccurs="0"/>
   <xsd:element ref="ToleranceQuantityRange" minOccurs="0"/>
   <xsd:element ref="TolerancePercentRange" minOccurs="0"/>
   <xsd:element ref="TolerancePricingTerm"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>
```

element **ReferenceIdentifier**

diagram



namespace: http://www.agxml.org/schemas

type: extension of **xsd:string**

used by: element **ContractHeader**

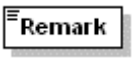
attributes

Name	Type	Use	Default	Fixed
identifierSource	IdentifierSource	optional		

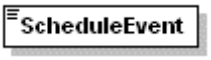
source

```
<xsd:element name="ReferenceIdentifier">
 <xsd:complexType>
  <xsd:simpleContent>
   <xsd:extension base="xsd:string">
    <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/>
   </xsd:extension>
  </xsd:simpleContent>
 </xsd:complexType>
</xsd:element>
```

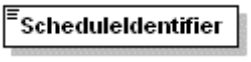
element **Remark**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	elements **ApplicablePremiumAndDiscountSchedules** **ContractCommodityInformation** **ContractDetail** **ContractHeader** **ContractQualityInformation** **GradesToGovernInformation** **PaymentTerms** **PremiumAndDiscountInformation** **PremiumAndDiscountSchedules** **QualityTerm** **QualityTerms** **ShipmentOrDeliveryPeriod** **SpecialTerm** **SpecialTerms** **WeightsToGovernInformation**
attributes	Name: remarkType; Type: RemarkType; Use: optional; Default: ; Fixed:
source	<xsd:element name="Remark"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="remarkType" type="RemarkType" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **ScheduleEvent**

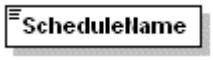
diagram	
namespace	http://www.agxml.org/schemas
type	**ScheduleEvent**
used by	element **ApplicablePremiumAndDiscountSchedule**
facets	enumeration: At Time of Contract Creation enumeration: At Time of Load enumeration: At Time of Pricing enumeration: At Time of Settlement enumeration: At Time of Shipment enumeration: At Time of Unload
source	<xsd:element name="ScheduleEvent" type="ScheduleEvent"/>

element **ScheduleIdentifier**

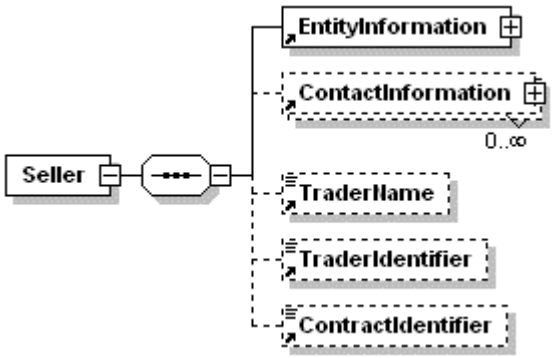
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **ApplicablePremiumAndDiscountSchedule**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="ScheduleIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/>

```
    </xsd:extension>
   </xsd:simpleContent>
  </xsd:complexType>
</xsd:element>
```

element **ScheduleName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ApplicablePremiumAndDiscountSchedule**
source	<xsd:element name="ScheduleName" type="xsd:string"/>

element **Seller**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation** **ContactInformation** **TraderName** **TraderIdentifier** **ContractIdentifier**
used by	element **ContractHeader**
source	<xsd:element name="Seller"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="TraderName" minOccurs="0"/> <xsd:element ref="TraderIdentifier" minOccurs="0"/> <xsd:element ref="ContractIdentifier" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ServiceEvent**

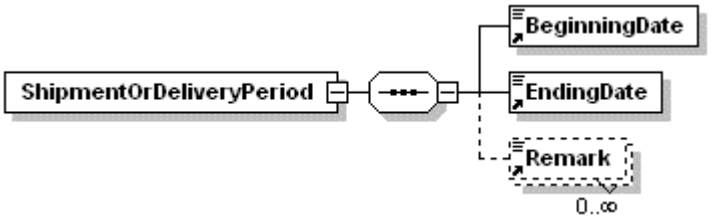
diagram	
namespace	http://www.agxml.org/schemas
type	**ServiceEvent**
facets	enumeration Export enumeration Inbound

	enumeration Inbound enumeration Outbound enumeration Submitted enumeration Track
source	<xsd:element name="ServiceEvent" type="ServiceEvent"/>

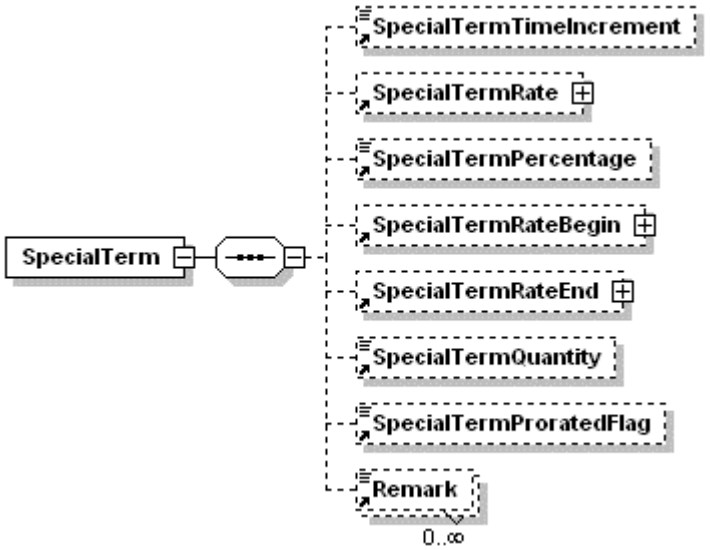
element **ServiceOfficialCategory**

diagram	
namespace	http://www.agxml.org/schemas
type	ServiceOfficialCategory
facets	enumeration Certified enumeration Official enumeration Unofficial
source	<xsd:element name="ServiceOfficialCategory" type="ServiceOfficialCategory"/>

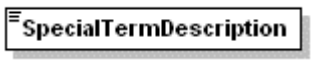
element **ShipmentOrDeliveryPeriod**

diagram	
namespace	http://www.agxml.org/schemas
children	BeginningDate EndingDate Remark
used by	element ContractDetail
source	<xsd:element name="ShipmentOrDeliveryPeriod"> <xsd:complexType> <xsd:sequence> <xsd:element ref="BeginningDate"/> <xsd:element ref="EndingDate"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **SpecialTerm**

diagram	
namespace	http://www.agxml.org/schemas
children	SpecialTermTimeIncrement SpecialTermRate SpecialTermPercentage SpecialTermRateBegin SpecialTermRateEnd SpecialTermQuantity SpecialTermProratedFlag Remark
used by	element SpecialTerms
source	<xsd:element name="SpecialTerm"> <xsd:complexType> <xsd:sequence> <xsd:element ref="SpecialTermTimeIncrement" minOccurs="0"/> <xsd:element ref="SpecialTermRate" minOccurs="0"/> <xsd:element ref="SpecialTermPercentage" minOccurs="0"/> <xsd:element ref="SpecialTermRateBegin" minOccurs="0"/> <xsd:element ref="SpecialTermRateEnd" minOccurs="0"/> <xsd:element ref="SpecialTermQuantity" minOccurs="0"/> <xsd:element ref="SpecialTermProratedFlag" minOccurs="0"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

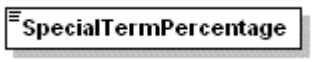
element **SpecialTermDescription**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element SpecialTerms
source	<xsd:element name="SpecialTermDescription" type="xsd:string"/>

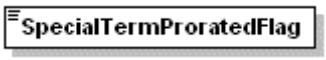
element **SpecialTermName**

diagram	
namespace	http://www.agxml.org/schemas
type	**SpecialTermName**
used by	element **SpecialTerms**
facets	enumeration Advance Rate enumeration Broker Rate enumeration Cancellation Fee enumeration Carrying Charge enumeration Days Load Notice enumeration Demurrage Charge enumeration Despatch Charge enumeration Delayed Price In Charge enumeration Delayed Price Monthly Charge enumeration Fumigation Charge enumeration Interest Charge enumeration Issue Fee enumeration Load Guarantee enumeration Load Port Declaration enumeration Other enumeration Price By Date enumeration Re-price Charge enumeration Roll Fee enumeration Service Charge enumeration Shipment Period Declaration enumeration Special Contract Information enumeration Storage In Charge enumeration Storage Monthly Charge
source	<xsd:element name="SpecialTermName" type="SpecialTermName"/>

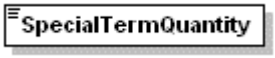
element **SpecialTermPercentage**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **SpecialTerm**
attributes	Name: premiumAndDiscountQuantityType; Type: PremiumAndDiscountQuantityType; Use: optional; Default: ; Fixed:
source	<xsd:element name="SpecialTermPercentage"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="premiumAndDiscountQuantityType" type="PremiumAndDiscountQuantityType" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

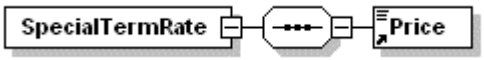
element **SpecialTermProratedFlag**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **SpecialTerm**
source	<xsd:element name="SpecialTermProratedFlag" type="xsd:boolean"/>

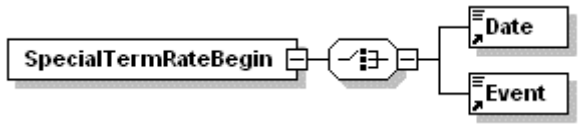
element **SpecialTermQuantity**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **SpecialTerm**
attributes	Name: commodityUnitOfMeasure; Type: CommodityUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="SpecialTermQuantity"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

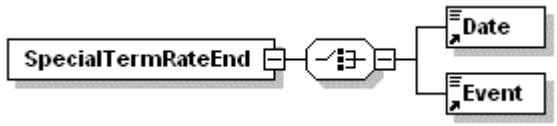
element **SpecialTermRate**

diagram	
namespace	http://www.agxml.org/schemas
children	**Price**
used by	element **SpecialTerm**
source	<xsd:element name="SpecialTermRate"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Price"/> </xsd:sequence> </xsd:complexType> </xsd:element>

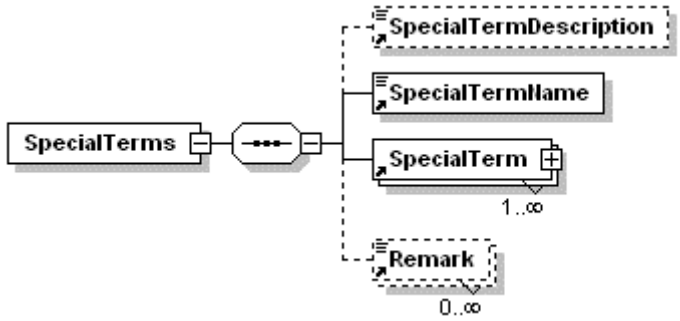
element **SpecialTermRateBegin**

diagram	
namespace	http://www.agxml.org/schemas
children	Date Event
used by	element SpecialTerm
source	<xsd:element name="SpecialTermRateBegin"> <xsd:complexType> <xsd:choice> <xsd:element ref="Date"/> <xsd:element ref="Event"/> </xsd:choice> </xsd:complexType> </xsd:element>

element **SpecialTermRateEnd**

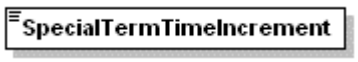
diagram	
namespace	http://www.agxml.org/schemas
children	Date Event
used by	element SpecialTerm
source	<xsd:element name="SpecialTermRateEnd"> <xsd:complexType> <xsd:choice> <xsd:element ref="Date"/> <xsd:element ref="Event"/> </xsd:choice> </xsd:complexType> </xsd:element>

element **SpecialTerms**

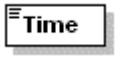
diagram	
namespace	http://www.agxml.org/schemas

children	SpecialTermDescription SpecialTermName SpecialTerm Remark
used by	element ContractDetail
source	<xsd:element name="SpecialTerms"> <xsd:complexType> <xsd:sequence> <xsd:element ref="SpecialTermDescription" minOccurs="0"/> <xsd:element ref="SpecialTermName"/> <xsd:element ref="SpecialTerm" maxOccurs="unbounded"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

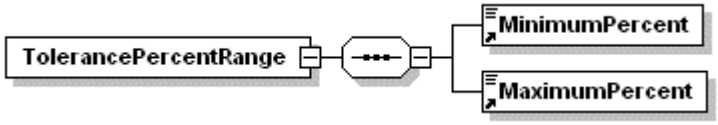
element **SpecialTermTimeIncrement**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element SpecialTerm
attributes	Name: timeUnitOfMeasure; Type: TimeUnitOfMeasure; Use: optional; Default: ; Fixed:
source	<xsd:element name="SpecialTermTimeIncrement"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="timeUnitOfMeasure" type="TimeUnitOfMeasure" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **Time**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:time**
used by	element ContractDateTime
source	<xsd:element name="Time" type="xsd:time"/>

element **TolerancePercentRange**

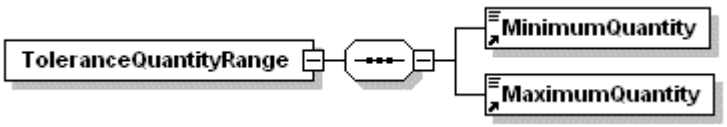
diagram	
namespace	http://www.agxml.org/schemas
children	MinimumPercent MaximumPercent

used by	element QuantityToleranceInformation
source	<xsd:element name="TolerancePercentRange"> <xsd:complexType> <xsd:sequence> <xsd:element ref="MinimumPercent"/> <xsd:element ref="MaximumPercent"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **TolerancePricingTerm**

diagram	
namespace	http://www.agxml.org/schemas
type	TolerancePricingTerm
used by	element QuantityToleranceInformation
facets	enumeration Contract Basis enumeration Contract Flat Price enumeration Market Day After Unload enumeration Market Day of Load
source	<xsd:element name="TolerancePricingTerm" type="TolerancePricingTerm"/>

element **ToleranceQuantityRange**

diagram	
namespace	http://www.agxml.org/schemas
children	MinimumQuantity MaximumQuantity
used by	element QuantityToleranceInformation
source	<xsd:element name="ToleranceQuantityRange"> <xsd:complexType> <xsd:sequence> <xsd:element ref="MinimumQuantity"/> <xsd:element ref="MaximumQuantity"/> </xsd:sequence> </xsd:complexType> </xsd:element>

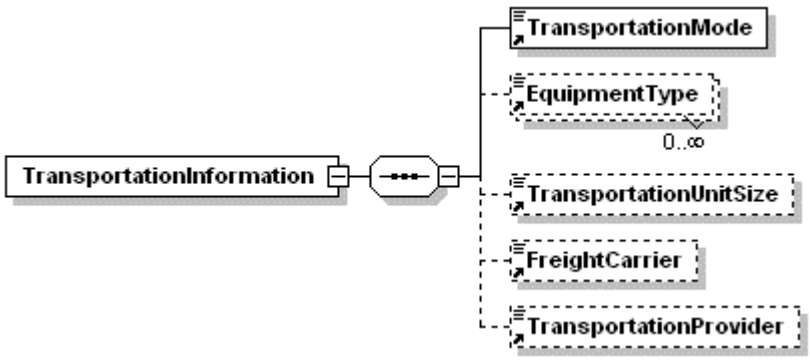
element **TraderIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements Buyer Seller
source	<xsd:element name="TraderIdentifier" type="xsd:string"/>

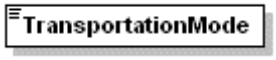
element **TraderName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **Buyer** **Seller**
source	<xsd:element name="TraderName" type="xsd:string"/>

element **TransportationInformation**

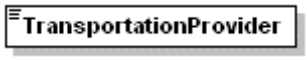
diagram	
namespace	http://www.agxml.org/schemas
children	**TransportationMode** **EquipmentType** **TransportationUnitSize** **FreightCarrier** **TransportationProvider**
used by	element **ContractDetail**
source	<xsd:element name="TransportationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="TransportationMode"/> <xsd:element ref="EquipmentType" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="TransportationUnitSize" minOccurs="0"/> <xsd:element ref="FreightCarrier" minOccurs="0"/> <xsd:element ref="TransportationProvider" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **TransportationMode**

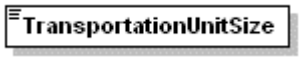
diagram	
namespace	http://www.agxml.org/schemas
type	**TransportationMode**
used by	element **TransportationInformation**
facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck

	enumeration Vessel
source	<xsd:element name="TransportationMode" type="TransportationMode"/>

element **TransportationProvider**

diagram	
namespace	http://www.agxml.org/schemas
type	TransportationProvider
used by	element TransportationInformation
facets	enumeration Agent enumeration Buyer enumeration Seller
source	<xsd:element name="TransportationProvider" type="TransportationProvider"/>

element **TransportationUnitSize**

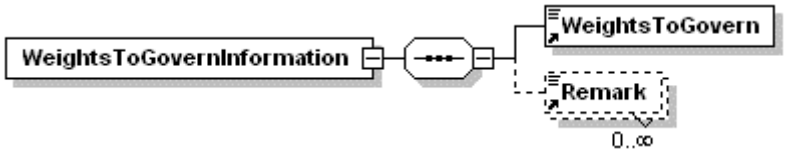
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:integer**
used by	element TransportationInformation
attributes	Name: transportationUnitOfMeasure; Type: TransportationUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="TransportationUnitSize"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:integer"> <xsd:attribute name="transportationUnitOfMeasure" type="TransportationUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **WeightsToGovern**

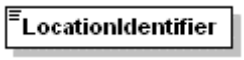
diagram	
namespace	http://www.agxml.org/schemas
type	WeightsToGovern
used by	element WeightsToGovernInformation
facets	enumeration Certified enumeration Destination Certified enumeration Destination Official enumeration Destination or Railroad enumeration First Certified enumeration First Official enumeration First Official or Certified enumeration First Official or Destination enumeration First Official or Railroad enumeration Origin Certified

	enumeration Origin Certified enumeration Origin House enumeration Origin Official
source	<xsd:element name="WeightsToGovern" type="WeightsToGovern"/>

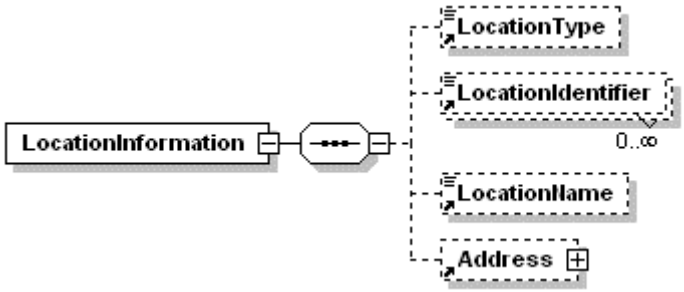
element **WeightsToGovernInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**WeightsToGovern** **Remark**
used by	element **ContractDetail**
source	<xsd:element name="WeightsToGovernInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="WeightsToGovern"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

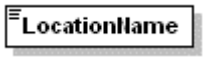
element **LocationIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **LocationInformation**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="LocationIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **LocationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**LocationType** **LocationIdentifier** **LocationName** **Address**
used by	element **BasisPointLocationInformation**
source	<xsd:element name="LocationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationType" minOccurs="0"/> <xsd:element ref="LocationIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="LocationName" minOccurs="0"/> <xsd:element ref="Address" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

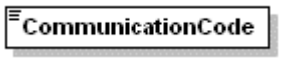
element **LocationName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **EntityInformation** **LocationInformation**
source	<xsd:element name="LocationName" type="xsd:string"/>

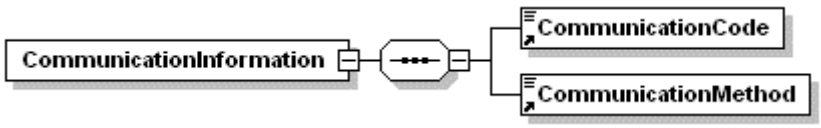
element **LocationType**

diagram	
namespace	http://www.agxml.org/schemas
type	**LocationType**
used by	element **LocationInformation**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location
source	<xsd:element name="LocationType" type="LocationType"/>

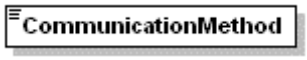
element **CommunicationCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **CommunicationInformation**
source	<xsd:element name="CommunicationCode" type="xsd:string"/>

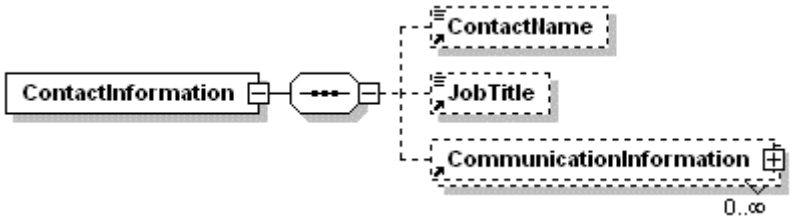
element **CommunicationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**CommunicationCode** **CommunicationMethod**
used by	element **ContactInformation**
source	<xsd:element name="CommunicationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommunicationCode"/> <xsd:element ref="CommunicationMethod"/> </xsd:sequence> </xsd:complexType> </xsd:element>

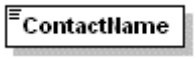
element **CommunicationMethod**

diagram	
namespace	http://www.agxml.org/schemas
type	**CommunicationMethod**
used by	element **CommunicationInformation**
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL
source	<xsd:element name="CommunicationMethod" type="CommunicationMethod"/>

element **ContactInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	ContactName JobTitle CommunicationInformation
used by	elements Agent Buyer Seller
source	<xsd:element name="ContactInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ContactName" minOccurs="0"/> <xsd:element ref="JobTitle" minOccurs="0"/> <xsd:element ref="CommunicationInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

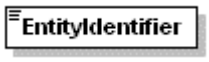
element **ContactName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element ContactInformation
source	<xsd:element name="ContactName" type="xsd:string"/>

element **JobTitle**

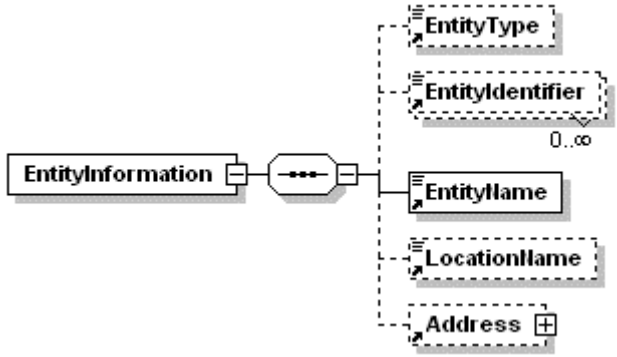
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element ContactInformation
source	<xsd:element name="JobTitle" type="xsd:string"/>

element **EntityIdentifier**

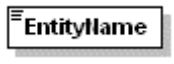
diagram	
namespace	http://www.agxml.org/schemas

type	extension of **xsd:string**
used by	element **EntityInformation**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="EntityIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

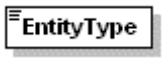
element **EntityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityType** **EntityIdentifier** **EntityName** **LocationName** **Address**
used by	elements **Agent** **Buyer** **Seller**
source	<xsd:element name="EntityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityType" minOccurs="0"/> <xsd:element ref="EntityIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="EntityName"/> <xsd:element ref="LocationName" minOccurs="0"/> <xsd:element ref="Address" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

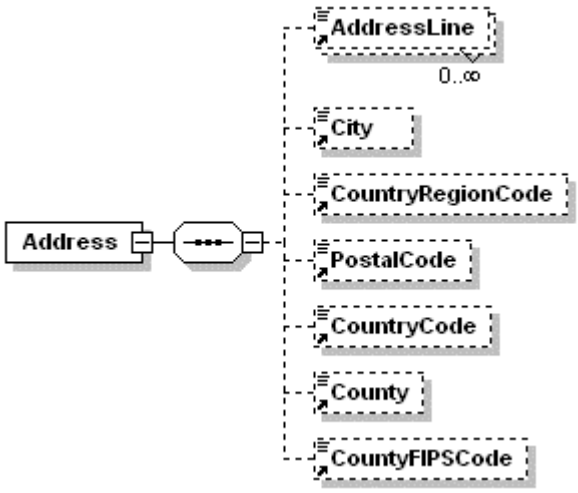
element **EntityName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **EntityInformation**
source	<xsd:element name="EntityName" type="xsd:string"/>

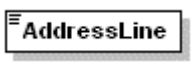
element **EntityType**

diagram	
namespace	http://www.agxml.org/schemas
type	**EntityType**
used by	element **EntityInformation**
facets	enumeration Organization enumeration Person
source	<xsd:element name="EntityType" type="EntityType"/>

element **Address**

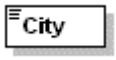
diagram	
namespace	http://www.agxml.org/schemas
children	**AddressLine** **City** **CountryRegionCode** **PostalCode** **CountryCode** **County** **CountyFIPSCode**
used by	elements **EntityInformation** **LocationInformation**
source	<xsd:element name="Address"> <xsd:complexType> <xsd:sequence> <xsd:element ref="AddressLine" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="City" minOccurs="0"/> <xsd:element ref="CountryRegionCode" minOccurs="0"/> <xsd:element ref="PostalCode" minOccurs="0"/> <xsd:element ref="CountryCode" minOccurs="0"/> <xsd:element ref="County" minOccurs="0"/> <xsd:element ref="CountyFIPSCode" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **AddressLine**

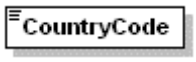
diagram	

namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="AddressLine" type="xsd:string"/>

element **City**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="City" type="xsd:string"/>

element **CountryCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**CountryCode**
used by	element **Address**
facets	enumeration AF enumeration AL enumeration DZ enumeration AS enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG

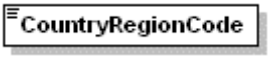
	enumeration BF enumeration BI enumeration KH enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN enumeration CX enumeration CC enumeration CO enumeration KM enumeration CG enumeration CD enumeration CK enumeration CR enumeration CI enumeration HR enumeration CU enumeration CY enumeration CZ enumeration DK enumeration DJ enumeration DM enumeration DO enumeration TP enumeration EC enumeration EG enumeration SV enumeration GQ enumeration ER enumeration EE enumeration ET enumeration FK enumeration FO enumeration FJ enumeration FI enumeration FR enumeration GF enumeration PF enumeration TF enumeration GA enumeration GM enumeration GE enumeration DE enumeration GH enumeration GI enumeration GR enumeration GL enumeration GD enumeration GP enumeration GU enumeration GT enumeration GN enumeration GW enumeration GY enumeration HT enumeration HM enumeration VA enumeration HN enumeration HK enumeration HU enumeration IS enumeration IN enumeration ID

	enumeration IR enumeration IQ enumeration IE enumeration IL enumeration IT enumeration JM enumeration JP enumeration JO enumeration KZ enumeration KE enumeration KI enumeration KP enumeration KR enumeration KW enumeration KG enumeration LA enumeration LV enumeration LB enumeration LS enumeration LR enumeration LY enumeration LI enumeration LT enumeration LU enumeration MO enumeration MK enumeration MG enumeration MW enumeration MY enumeration MV enumeration ML enumeration MT enumeration MH enumeration MQ enumeration MR enumeration MU enumeration YT enumeration MX enumeration FM enumeration MD enumeration MC enumeration MN enumeration MS enumeration MA enumeration MZ enumeration MM enumeration NA enumeration NR enumeration NP enumeration NL enumeration AN enumeration NC enumeration NZ enumeration NI enumeration NE enumeration NG enumeration NU enumeration NF enumeration MP enumeration NO enumeration OM enumeration K enumeration PW enumeration PS enumeration PA enumeration PG enumeration PY enumeration PE

	enumeration PH enumeration PN enumeration PL enumeration PT enumeration PR enumeration QA enumeration RE enumeration RO enumeration RU enumeration RW enumeration SH enumeration KN enumeration LC enumeration PM enumeration VC enumeration WS enumeration SM enumeration ST enumeration SA enumeration SN enumeration SC enumeration SL enumeration SG enumeration SK enumeration SI enumeration SB enumeration SO enumeration ZA enumeration GS enumeration ES enumeration LK enumeration SD enumeration SR enumeration SJ enumeration SZ enumeration SE enumeration CH enumeration SY enumeration TW enumeration TJ enumeration TZ enumeration TH enumeration TG enumeration TK enumeration TO enumeration TT enumeration TN enumeration TR enumeration TM enumeration TC enumeration TV enumeration UG enumeration UA enumeration AE enumeration GB enumeration US enumeration UM enumeration UY enumeration UZ enumeration VU enumeration VE enumeration VN enumeration VG enumeration VI enumeration WF enumeration EH enumeration YE enumeration YU

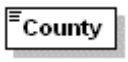
	enumeration ZM enumeration ZW
source	<xsd:element name="CountryCode" type="CountryCode"/>

element **CountryRegionCode**

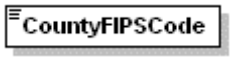
diagram	
namespace	http://www.agxml.org/schemas
type	CountryRegionCode
used by	element Address
facets	enumeration AL enumeration BCN enumeration BCS enumeration CAN enumeration CHIS enumeration CHIH enumeration COAH enumeration COL enumeration DF enumeration DGO' enumeration GTO enumeration GRO enumeration HGO enumeration JAL enumeration MEX enumeration MICH enumeration MOR enumeration NAY enumeration NLO enumeration OAX enumeration PUE enumeration QRO enumeration QROO enumeration SLP enumeration SIN enumeration SON enumeration TAB enumeration TAMPS enumeration TLAX enumeration VER enumeration YUC enumeration ZAC enumeration AB enumeration BC enumeration MB enumeration NB enumeration NF enumeration NT enumeration NS enumeration NU enumeration ON enumeration PE enumeration QC enumeration SK enumeration YT enumeration AK enumeration AZ enumeration AR enumeration CA enumeration CO enumeration CT enumeration DE enumeration DC

	enumeration DC enumeration FL enumeration GA enumeration HI enumeration ID enumeration IL enumeration IN enumeration IA enumeration KS enumeration KY enumeration LA enumeration ME enumeration MD enumeration MA enumeration MI enumeration MN enumeration MS enumeration MO enumeration MT enumeration NE enumeration NV enumeration NH enumeration NJ enumeration NM enumeration NY enumeration NC enumeration ND enumeration OH enumeration OK enumeration OR enumeration PA enumeration PR enumeration RI enumeration SC enumeration SD enumeration TN enumeration TX enumeration UT enumeration VT enumeration VA enumeration WA enumeration WV enumeration WI enumeration WY enumeration AGS
source	<xsd:element name="CountryRegionCode" type="CountryRegionCode"/>

element **County**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="County" type="xsd:string"/>

element **CountyFIPSCode**

diagram	

namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="CountyFIPSCode" type="xsd:string"/>

element **PostalCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="PostalCode" type="xsd:string"/>

simpleType **LocationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **LocationType**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location
source	<xsd:simpleType name="LocationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Facility"/> <xsd:enumeration value="Farm"/> <xsd:enumeration value="Field"/> <xsd:enumeration value="Storage Location"/> </xsd:restriction> </xsd:simpleType>

simpleType **IdentifierSource**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes **ScheduleIdentifier/@identifierSource** **ReferenceIdentifier/@identifierSource** **LocationIdentifier/@identifierSource** **EntityIdentifier/@identifierSource**
facets	enumeration Agent Internal enumeration Buyer Internal enumeration Dunn & Bradstreet enumeration GIPSA Internal enumeration RapidNet enumeration Seller Internal enumeration Service Provider Internal
source	<xsd:simpleType name="IdentifierSource"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent Internal"/> <xsd:enumeration value="Buyer Internal"/> <xsd:enumeration value="Dunn & Bradstreet"/> <xsd:enumeration value="GIPSA Internal"/> <xsd:enumeration value="RapidNet"/>

```
    <xsd:enumeration value="Seller Internal"/>
    <xsd:enumeration value="Service Provider Internal"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CommunicationMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommunicationMethod**
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL

source

```
<xsd:simpleType name="CommunicationMethod">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Cell Phone"/>
    <xsd:enumeration value="Desk Phone"/>
    <xsd:enumeration value="Email"/>
    <xsd:enumeration value="Fax"/>
    <xsd:enumeration value="FTP Site"/>
    <xsd:enumeration value="Pager"/>
    <xsd:enumeration value="Telex"/>
    <xsd:enumeration value="URL"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **EntityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **EntityType**
facets	enumeration Organization enumeration Person

source

```
<xsd:simpleType name="EntityType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Organization"/>
    <xsd:enumeration value="Person"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **ApplicationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Deferred Price enumeration Grain Bank enumeration Hold Payment enumeration Open Contract enumeration Specific Contract enumeration Spot End of Day enumeration Spot Immediate enumeration Storage enumeration Warehouse Receipt

	enumeration Warehouse Receipt enumeration Unapplied/Hold
source	<xsd:simpleType name="ApplicationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Deferred Price"/> <xsd:enumeration value="Grain Bank"/> <xsd:enumeration value="Hold Payment"/> <xsd:enumeration value="Open Contract"/> <xsd:enumeration value="Specific Contract"/> <xsd:enumeration value="Spot End of Day"/> <xsd:enumeration value="Spot Immediate"/> <xsd:enumeration value="Storage"/> <xsd:enumeration value="Warehouse Receipt"/> <xsd:enumeration value="Unapplied/Hold"/> </xsd:restriction> </xsd:simpleType>

simpleType **BasisLocationMarket**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **BasisPointMarket**
facets	enumeration Atlantic Port enumeration Cedar River Railroad enumeration Central Kansas enumeration Chicago for Beyond enumeration Chicago including Burns Harbor enumeration Columbus for Beyond enumeration Columbia River District including Portland enumeration Columbia River District including Portland sellers option Pudget Sound District enumeration Commodity Credit Corporation enumeration Duluth/Superior enumeration East Texas Plains enumeration Evansville for Beyond enumeration Great Lakes enumeration Hanford/Tulare/Visalia enumeration Houston/Galveston/Beaumont enumeration Illinois Central Gulf enumeration Illinois River North enumeration Iowa & Minnesota Rail Link enumeration Kansas City enumeration Kansas City for Beyond enumeration Lower Mississippi River enumeration Lower Ohio River enumeration Mid-Bridge Brownsville enumeration Mid-Bridge Eagle Pass enumeration Mid-Bridge Laredo enumeration Mid-Bridge Nogales enumeration Mid-Bridge Presideo enumeration Mid-Mississippi River enumeration Minneapolis/Duluth enumeration Mississippi River enumeration Mississippi River Excluding Baton Rouge enumeration Modesto/Oakdale/Turlock enumeration North Kansas enumeration North Texas Plains enumeration Northeast Colorado enumeration Ohio River enumeration Pacific Northwest enumeration Pudget Sound District enumeration South Kansas enumeration South Texas Plains enumeration Southcentral Kansas enumeration Southeast Colorado enumeration Southeast Processors

	enumeration Southeast Processors enumeration Southwest Kansas enumeration Stockton/San Joaquin Valley enumeration Tennessee River enumeration Texas Gulf enumeration Texas Gulf Excluding Brownsville enumeration Toledo/Maumee enumeration Track Nebraska enumeration Upper Mississippi River enumeration Upper Ohio River enumeration Union Pacific Group 3 enumeration Union Pacific Group 6 enumeration Union Pacific Group 9 enumeration United States Center Gulf enumeration United States Gulf enumeration United States Louisiana Gulf enumeration Washington Courthouse enumeration Western Kansas
source	<xsd:simpleType name="BasisLocationMarket"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Atlantic Port"/> <xsd:enumeration value="Cedar River Railroad"/> <xsd:enumeration value="Central Kansas"/> <xsd:enumeration value="Chicago for Beyond"/> <xsd:enumeration value="Chicago including Burns Harbor"/> <xsd:enumeration value="Columbus for Beyond"/> <xsd:enumeration value="Columbia River District including Portland"/> <xsd:enumeration value="Columbia River District including Portland sellers option Pudget Sound District"/> <xsd:enumeration value="Commodity Credit Corporation"/> <xsd:enumeration value="Duluth/Superior"/> <xsd:enumeration value="East Texas Plains"/> <xsd:enumeration value="Evansville for Beyond"/> <xsd:enumeration value="Great Lakes"/> <xsd:enumeration value="Hanford/Tulare/Visalia"/> <xsd:enumeration value="Houston/Galveston/Beaumont"/> <xsd:enumeration value="Illinois Central Gulf"/> <xsd:enumeration value="Illinois River North"/> <xsd:enumeration value="Iowa & Minnesota Rail Link"/> <xsd:enumeration value="Kansas City"/> <xsd:enumeration value="Kansas City for Beyond"/> <xsd:enumeration value="Lower Mississippi River"/> <xsd:enumeration value="Lower Ohio River"/> <xsd:enumeration value="Mid-Bridge Brownsville"/> <xsd:enumeration value="Mid-Bridge Eagle Pass"/> <xsd:enumeration value="Mid-Bridge Laredo"/> <xsd:enumeration value="Mid-Bridge Nogales"/> <xsd:enumeration value="Mid-Bridge Presideo"/> <xsd:enumeration value="Mid-Mississippi River"/> <xsd:enumeration value="Minneapolis/Duluth"/> <xsd:enumeration value="Mississippi River"/> <xsd:enumeration value="Mississippi River Excluding Baton Rouge"/> <xsd:enumeration value="Modesto/Oakdale/Turlock"/> <xsd:enumeration value="North Kansas"/> <xsd:enumeration value="North Texas Plains"/> <xsd:enumeration value="Northeast Colorado"/> <xsd:enumeration value="Ohio River"/> <xsd:enumeration value="Pacific Northwest"/> <xsd:enumeration value="Pudget Sound District"/> <xsd:enumeration value="South Kansas"/> <xsd:enumeration value="South Texas Plains"/> <xsd:enumeration value="Southcentral Kansas"/> <xsd:enumeration value="Southeast Colorado"/> <xsd:enumeration value="Southeast Processors"/> <xsd:enumeration value="Southwest Kansas"/> <xsd:enumeration value="Stockton/San Joaquin Valley"/> <xsd:enumeration value="Tennessee River"/> <xsd:enumeration value="Texas Gulf"/> <xsd:enumeration value="Texas Gulf Excluding Brownsville"/>

```
    <xsd:enumeration value="Toledo/Maumee"/>
    <xsd:enumeration value="Track Nebraska"/>
    <xsd:enumeration value="Upper Mississippi River"/>
    <xsd:enumeration value="Upper Ohio River"/>
    <xsd:enumeration value="Union Pacific Group 3"/>
    <xsd:enumeration value="Union Pacific Group 6"/>
    <xsd:enumeration value="Union Pacific Group 9"/>
    <xsd:enumeration value="United States Center Gulf"/>
    <xsd:enumeration value="United States Gulf"/>
    <xsd:enumeration value="United States Louisiana Gulf"/>
    <xsd:enumeration value="Washington Courthouse"/>
    <xsd:enumeration value="Western Kansas"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BillOfLadingIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Agent enumeration Delivery enumeration Shipper enumeration Waybill or Lading
source	<xsd:simpleType name="BillOfLadingIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent"/> <xsd:enumeration value="Delivery"/> <xsd:enumeration value="Shipper"/> <xsd:enumeration value="Waybill or Lading"/> </xsd:restriction> </xsd:simpleType>

simpleType **BillOfLadingType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Order enumeration Straight
source	<xsd:simpleType name="BillOfLadingType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Order"/> <xsd:enumeration value="Straight"/> </xsd:restriction> </xsd:simpleType>

simpleType **BuyerSellerCall**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **BuyerSellerCall**
facets	enumeration Buyer enumeration Seller
source	<xsd:simpleType name="BuyerSellerCall"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> </xsd:restriction>

	</xsd:simpleType>

simpleType **CommodityClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityClass**
facets	enumeration Barley enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Malting Barley"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Unclassed Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityGroup**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityGroup**
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain enumeration Non-standardized Grain

	enumeration Non-standardized Grain enumeration Oats enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:simpleType name="CommodityGroup"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Corn"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Non-standardized Grain"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Soybeans"/> <xsd:enumeration value="Sunflower Seeds"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityName**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat enumeration White Corn

	enumeration White Corn enumeration White Sorghum enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Blue Malting Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Six Rowed Barley"/> <xsd:enumeration value="Six Rowed Malting Barley"/> <xsd:enumeration value="Six Rowed Blue Malting Barley"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Sunflower Seed"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Two Rowed Barley"/> <xsd:enumeration value="Two Rowed Malting Barley"/> <xsd:enumeration value="Western White Wheat"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="White Wheat"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityNameCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityNameCode**
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K enumeration N

	enumeration N enumeration NS enumeration O enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:simpleType name="CommodityNameCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="ADU"/> <xsd:enumeration value="BLMB"/> <xsd:enumeration value="BLY"/> <xsd:enumeration value="DNS"/> <xsd:enumeration value="DU"/> <xsd:enumeration value="FLAX"/> <xsd:enumeration value="HADU"/> <xsd:enumeration value="HDWH"/> <xsd:enumeration value="HRS"/> <xsd:enumeration value="HRW"/> <xsd:enumeration value="K"/> <xsd:enumeration value="N"/> <xsd:enumeration value="NS"/> <xsd:enumeration value="O"/> <xsd:enumeration value="RS"/> <xsd:enumeration value="RYE"/> <xsd:enumeration value="S"/> <xsd:enumeration value="SF"/> <xsd:enumeration value="SRB"/> <xsd:enumeration value="SRBM"/> <xsd:enumeration value="SRMB"/> <xsd:enumeration value="SRW"/> <xsd:enumeration value="SWH"/> <xsd:enumeration value="TANS"/> <xsd:enumeration value="TRIT"/> <xsd:enumeration value="TRB"/> <xsd:enumeration value="TRMB"/> <xsd:enumeration value="WHCB"/> <xsd:enumeration value="WHC"/> <xsd:enumeration value="WHS"/> <xsd:enumeration value="WW"/> <xsd:enumeration value="WWH"/> <xsd:enumeration value="XC"/> <xsd:enumeration value="XGR"/> <xsd:enumeration value="XS"/> <xsd:enumeration value="XSB"/> <xsd:enumeration value="XWHT"/> <xsd:enumeration value="YC"/>

```
    <xsd:enumeration value="YSB"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CommoditySpecialGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySpecialGrade**
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy

source

```
<xsd:simpleType name="CommoditySpecialGrade">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Bleached"/>
    <xsd:enumeration value="Blighted"/>
    <xsd:enumeration value="Bright"/>
    <xsd:enumeration value="Ergoty"/>
    <xsd:enumeration value="Extra Heavy"/>
    <xsd:enumeration value="Flint"/>
    <xsd:enumeration value="Flint &amp;amp; Dent"/>
    <xsd:enumeration value="Garlicky"/>
    <xsd:enumeration value="Heavy"/>
    <xsd:enumeration value="Infested"/>
    <xsd:enumeration value="Light Garlicky"/>
    <xsd:enumeration value="Light Smutty"/>
    <xsd:enumeration value="Plump"/>
    <xsd:enumeration value="Purple Mottled or Stained"/>
    <xsd:enumeration value="Smutty"/>
    <xsd:enumeration value="Thin"/>
    <xsd:enumeration value="Treated"/>
    <xsd:enumeration value="Waxy"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CommodityStandardGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGrade**
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5 enumeration U.S. Sample

	enumeration U.S. Sample
source	<xsd:simpleType name="CommodityStandardGrade"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="U.S. No 1"/> <xsd:enumeration value="U.S. No 2"/> <xsd:enumeration value="U.S. No 3"/> <xsd:enumeration value="U.S. No 4"/> <xsd:enumeration value="U.S. No 5"/> <xsd:enumeration value="U.S. Sample"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardGradeOptionalDesignation**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGradeOptionalDesignation**
facets	enumeration Or Better
source	<xsd:simpleType name="CommodityStandardGradeOptionalDesignation"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Or Better"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardsAuthorityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardsAuthorityCode**
facets	enumeration GIPSA enumeration Industry
source	<xsd:simpleType name="CommodityStandardsAuthorityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="GIPSA"/> <xsd:enumeration value="Industry"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommoditySubClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySubClass**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley enumeration Soft White Wheat enumeration Two-rowed Barley

	enumeration Two-rowed Barley enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:simpleType name="CommoditySubClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Six-rowed Barley"/> <xsd:enumeration value="Six-rowed Blue Malting Barley"/> <xsd:enumeration value="Six-rowed Malting Barley"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Two-rowed Barley"/> <xsd:enumeration value="Two-rowed Malting Barley"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="Western White Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes ContractQuantity/@commodityUnitOfMeasure Price/@commodityUnitOfMeasure SpecialTermQuantity/@commodityUnitOfMeasure
facets	enumeration Barge enumeration Bushel enumeration Car Load enumeration Hundred Weight enumeration Kilogram enumeration Long Ton enumeration Metric Ton enumeration Pound enumeration Shipment enumeration Short Ton enumeration Truck enumeration Vessel
source	<xsd:simpleType name="CommodityUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bushel"/> <xsd:enumeration value="Car Load"/> <xsd:enumeration value="Hundred Weight"/> <xsd:enumeration value="Kilogram"/> <xsd:enumeration value="Long Ton"/> <xsd:enumeration value="Metric Ton"/> <xsd:enumeration value="Pound"/> <xsd:enumeration value="Shipment"/> <xsd:enumeration value="Short Ton"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Vessel"/> </xsd:restriction> </xsd:simpleType>

simpleType **ContractOriginator**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
used by	element **ContractOriginator**
facets	enumeration Buyer enumeration Seller enumeration Agent
source	<xsd:simpleType name="ContractOriginator"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> <xsd:enumeration value="Agent"/> </xsd:restriction> </xsd:simpleType>

simpleType **CountryCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryCode**
facets	enumeration AF enumeration AL enumeration DZ enumeration AS enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG enumeration BF enumeration BI enumeration KH enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN

	enumeration	CX
	enumeration	CC
	enumeration	CO
	enumeration	KM
	enumeration	CG
	enumeration	CD
	enumeration	CK
	enumeration	CR
	enumeration	CI
	enumeration	HR
	enumeration	CU
	enumeration	CY
	enumeration	CZ
	enumeration	DK
	enumeration	DJ
	enumeration	DM
	enumeration	DO
	enumeration	TP
	enumeration	EC
	enumeration	EG
	enumeration	SV
	enumeration	GQ
	enumeration	ER
	enumeration	EE
	enumeration	ET
	enumeration	FK
	enumeration	FO
	enumeration	FJ
	enumeration	FI
	enumeration	FR
	enumeration	GF
	enumeration	PF
	enumeration	TF
	enumeration	GA
	enumeration	GM
	enumeration	GE
	enumeration	DE
	enumeration	GH
	enumeration	GI
	enumeration	GR
	enumeration	GL
	enumeration	GD
	enumeration	GP
	enumeration	GU
	enumeration	GT
	enumeration	GN
	enumeration	GW
	enumeration	GY
	enumeration	HT
	enumeration	HM
	enumeration	VA
	enumeration	HN
	enumeration	HK
	enumeration	HU
	enumeration	IS
	enumeration	IN
	enumeration	ID
	enumeration	IR
	enumeration	IQ
	enumeration	IE
	enumeration	IL
	enumeration	IT
	enumeration	JM
	enumeration	JP
	enumeration	JO
	enumeration	KZ
	enumeration	KE
	enumeration	KI

	enumeration	KP
	enumeration	KR
	enumeration	KW
	enumeration	KG
	enumeration	LA
	enumeration	LV
	enumeration	LB
	enumeration	LS
	enumeration	LR
	enumeration	LY
	enumeration	LI
	enumeration	LT
	enumeration	LU
	enumeration	MO
	enumeration	MK
	enumeration	MG
	enumeration	MW
	enumeration	MY
	enumeration	MV
	enumeration	ML
	enumeration	MT
	enumeration	MH
	enumeration	MQ
	enumeration	MR
	enumeration	MU
	enumeration	YT
	enumeration	MX
	enumeration	FM
	enumeration	MD
	enumeration	MC
	enumeration	MN
	enumeration	MS
	enumeration	MA
	enumeration	MZ
	enumeration	MM
	enumeration	NA
	enumeration	NR
	enumeration	NP
	enumeration	NL
	enumeration	AN
	enumeration	NC
	enumeration	NZ
	enumeration	NI
	enumeration	NE
	enumeration	NG
	enumeration	NU
	enumeration	NF
	enumeration	MP
	enumeration	NO
	enumeration	OM
	enumeration	K
	enumeration	PW
	enumeration	PS
	enumeration	PA
	enumeration	PG
	enumeration	PY
	enumeration	PE
	enumeration	PH
	enumeration	PN
	enumeration	PL
	enumeration	PT
	enumeration	PR
	enumeration	QA
	enumeration	RE
	enumeration	RO
	enumeration	RU
	enumeration	RW
	enumeration	SH

	enumeration KN enumeration LC enumeration PM enumeration VC enumeration WS enumeration SM enumeration ST enumeration SA enumeration SN enumeration SC enumeration SL enumeration SG enumeration SK enumeration SI enumeration SB enumeration SO enumeration ZA enumeration GS enumeration ES enumeration LK enumeration SD enumeration SR enumeration SJ enumeration SZ enumeration SE enumeration CH enumeration SY enumeration TW enumeration TJ enumeration TZ enumeration TH enumeration TG enumeration TK enumeration TO enumeration TT enumeration TN enumeration TR enumeration TM enumeration TC enumeration TV enumeration UG enumeration UA enumeration AE enumeration GB enumeration US enumeration UM enumeration UY enumeration UZ enumeration VU enumeration VE enumeration VN enumeration VG enumeration VI enumeration WF enumeration EH enumeration YE enumeration YU enumeration ZM enumeration ZW
source	<xsd:simpleType name="CountryCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="AF"/> <xsd:enumeration value="AL"/> <xsd:enumeration value="DZ"/> <xsd:enumeration value="AS"/> <xsd:enumeration value="AD"/> <xsd:enumeration value="AO"/> <xsd:enumeration value="AI"/>

```
<xsd:enumeration value="AQ"/>
<xsd:enumeration value="AG"/>
<xsd:enumeration value="AR"/>
<xsd:enumeration value="AM"/>
<xsd:enumeration value="AW"/>
<xsd:enumeration value="AU"/>
<xsd:enumeration value="AT"/>
<xsd:enumeration value="AZ"/>
<xsd:enumeration value="BS"/>
<xsd:enumeration value="BH"/>
<xsd:enumeration value="BD"/>
<xsd:enumeration value="BB"/>
<xsd:enumeration value="BY"/>
<xsd:enumeration value="BE"/>
<xsd:enumeration value="BZ"/>
<xsd:enumeration value="BJ"/>
<xsd:enumeration value="BM"/>
<xsd:enumeration value="BT"/>
<xsd:enumeration value="BO"/>
<xsd:enumeration value="BA"/>
<xsd:enumeration value="BW"/>
<xsd:enumeration value="BV"/>
<xsd:enumeration value="BR"/>
<xsd:enumeration value="IO"/>
<xsd:enumeration value="BN"/>
<xsd:enumeration value="BG"/>
<xsd:enumeration value="BF"/>
<xsd:enumeration value="BI"/>
<xsd:enumeration value="KH"/>
<xsd:enumeration value="CM"/>
<xsd:enumeration value="CA"/>
<xsd:enumeration value="CV"/>
<xsd:enumeration value="KY"/>
<xsd:enumeration value="CF"/>
<xsd:enumeration value="TD"/>
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<xsd:enumeration value="DJ"/>
<xsd:enumeration value="DM"/>
<xsd:enumeration value="DO"/>
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<xsd:enumeration value="EG"/>
<xsd:enumeration value="SV"/>
<xsd:enumeration value="GQ"/>
<xsd:enumeration value="ER"/>
<xsd:enumeration value="EE"/>
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<xsd:enumeration value="FO"/>
<xsd:enumeration value="FJ"/>
<xsd:enumeration value="FI"/>
<xsd:enumeration value="FR"/>
<xsd:enumeration value="GF"/>
```

```
<xsd:enumeration value="PF"/>
<xsd:enumeration value="TF"/>
<xsd:enumeration value="GA"/>
<xsd:enumeration value="GM"/>
<xsd:enumeration value="GE"/>
<xsd:enumeration value="DE"/>
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<xsd:enumeration value="MR"/>
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<xsd:enumeration value="YT"/>
<xsd:enumeration value="MX"/>
<xsd:enumeration value="FM"/>
<xsd:enumeration value="MD"/>
<xsd:enumeration value="MC"/>
<xsd:enumeration value="MN"/>
```

```
<xsd:enumeration value="MS"/>
<xsd:enumeration value="MA"/>
<xsd:enumeration value="MZ"/>
<xsd:enumeration value="MM"/>
<xsd:enumeration value="NA"/>
<xsd:enumeration value="NR"/>
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<xsd:enumeration value="SR"/>
<xsd:enumeration value="SJ"/>
<xsd:enumeration value="SZ"/>
<xsd:enumeration value="SE"/>
<xsd:enumeration value="CH"/>
<xsd:enumeration value="SY"/>
<xsd:enumeration value="TW"/>
<xsd:enumeration value="TJ"/>
<xsd:enumeration value="TZ"/>
<xsd:enumeration value="TH"/>
```

```
    <xsd:enumeration value="TG"/>
    <xsd:enumeration value="TK"/>
    <xsd:enumeration value="TO"/>
    <xsd:enumeration value="TT"/>
    <xsd:enumeration value="TN"/>
    <xsd:enumeration value="TR"/>
    <xsd:enumeration value="TM"/>
    <xsd:enumeration value="TC"/>
    <xsd:enumeration value="TV"/>
    <xsd:enumeration value="UG"/>
    <xsd:enumeration value="UA"/>
    <xsd:enumeration value="AE"/>
    <xsd:enumeration value="GB"/>
    <xsd:enumeration value="US"/>
    <xsd:enumeration value="UM"/>
    <xsd:enumeration value="UY"/>
    <xsd:enumeration value="UZ"/>
    <xsd:enumeration value="VU"/>
    <xsd:enumeration value="VE"/>
    <xsd:enumeration value="VN"/>
    <xsd:enumeration value="VG"/>
    <xsd:enumeration value="VI"/>
    <xsd:enumeration value="WF"/>
    <xsd:enumeration value="EH"/>
    <xsd:enumeration value="YE"/>
    <xsd:enumeration value="YU"/>
    <xsd:enumeration value="ZM"/>
    <xsd:enumeration value="ZW"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CountryRegionCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryRegionCode**
facets	enumeration AL enumeration BCN enumeration BCS enumeration CAN enumeration CHIS enumeration CHIH enumeration COAH enumeration COL enumeration DF enumeration DGO' enumeration GTO enumeration GRO enumeration HGO enumeration JAL enumeration MEX enumeration MICH enumeration MOR enumeration NAY enumeration NLO enumeration OAX enumeration PUE enumeration QRO enumeration QROO enumeration SLP enumeration SIN enumeration SON enumeration TAB enumeration TAMPS enumeration TLAX

	enumeration	TLAX
	enumeration	VER
	enumeration	YUC
	enumeration	ZAC
	enumeration	AB
	enumeration	BC
	enumeration	MB
	enumeration	NB
	enumeration	NF
	enumeration	NT
	enumeration	NS
	enumeration	NU
	enumeration	ON
	enumeration	PE
	enumeration	QC
	enumeration	SK
	enumeration	YT
	enumeration	AK
	enumeration	AZ
	enumeration	AR
	enumeration	CA
	enumeration	CO
	enumeration	CT
	enumeration	DE
	enumeration	DC
	enumeration	FL
	enumeration	GA
	enumeration	HI
	enumeration	ID
	enumeration	IL
	enumeration	IN
	enumeration	IA
	enumeration	KS
	enumeration	KY
	enumeration	LA
	enumeration	ME
	enumeration	MD
	enumeration	MA
	enumeration	MI
	enumeration	MN
	enumeration	MS
	enumeration	MO
	enumeration	MT
	enumeration	NE
	enumeration	NV
	enumeration	NH
	enumeration	NJ
	enumeration	NM
	enumeration	NY
	enumeration	NC
	enumeration	ND
	enumeration	OH
	enumeration	OK
	enumeration	OR
	enumeration	PA
	enumeration	PR
	enumeration	RI
	enumeration	SC
	enumeration	SD
	enumeration	TN
	enumeration	TX
	enumeration	UT
	enumeration	VT
	enumeration	VA
	enumeration	WA
	enumeration	WV
	enumeration	WI
	enumeration	WY

	enumeration AGS
source	<xsd:simpleType name="CountryRegionCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="AL"/> <xsd:enumeration value="BCN"/> <xsd:enumeration value="BCS"/> <xsd:enumeration value="CAN"/> <xsd:enumeration value="CHIS"/> <xsd:enumeration value="CHIH"/> <xsd:enumeration value="COAH"/> <xsd:enumeration value="COL"/> <xsd:enumeration value="DF"/> <xsd:enumeration value="DGO'"/> <xsd:enumeration value="GTO"/> <xsd:enumeration value="GRO"/> <xsd:enumeration value="HGO"/> <xsd:enumeration value="JAL"/> <xsd:enumeration value="MEX"/> <xsd:enumeration value="MICH"/> <xsd:enumeration value="MOR"/> <xsd:enumeration value="NAY"/> <xsd:enumeration value="NLO"/> <xsd:enumeration value="OAX"/> <xsd:enumeration value="PUE"/> <xsd:enumeration value="QRO"/> <xsd:enumeration value="QROO"/> <xsd:enumeration value="SLP"/> <xsd:enumeration value="SIN"/> <xsd:enumeration value="SON"/> <xsd:enumeration value="TAB"/> <xsd:enumeration value="TAMPS"/> <xsd:enumeration value="TLAX"/> <xsd:enumeration value="VER"/> <xsd:enumeration value="YUC"/> <xsd:enumeration value="ZAC"/> <xsd:enumeration value="AB"/> <xsd:enumeration value="BC"/> <xsd:enumeration value="MB"/> <xsd:enumeration value="NB"/> <xsd:enumeration value="NF"/> <xsd:enumeration value="NT"/> <xsd:enumeration value="NS"/> <xsd:enumeration value="NU"/> <xsd:enumeration value="ON"/> <xsd:enumeration value="PE"/> <xsd:enumeration value="QC"/> <xsd:enumeration value="SK"/> <xsd:enumeration value="YT"/> <xsd:enumeration value="AK"/> <xsd:enumeration value="AZ"/> <xsd:enumeration value="AR"/> <xsd:enumeration value="CA"/> <xsd:enumeration value="CO"/> <xsd:enumeration value="CT"/> <xsd:enumeration value="DE"/> <xsd:enumeration value="DC"/> <xsd:enumeration value="FL"/> <xsd:enumeration value="GA"/> <xsd:enumeration value="HI"/> <xsd:enumeration value="ID"/> <xsd:enumeration value="IL"/> <xsd:enumeration value="IN"/> <xsd:enumeration value="IA"/> <xsd:enumeration value="KS"/> <xsd:enumeration value="KY"/> <xsd:enumeration value="LA"/> <xsd:enumeration value="ME"/> <xsd:enumeration value="MD"/>

```
    <xsd:enumeration value="MA"/>
    <xsd:enumeration value="MI"/>
    <xsd:enumeration value="MN"/>
    <xsd:enumeration value="MS"/>
    <xsd:enumeration value="MO"/>
    <xsd:enumeration value="MT"/>
    <xsd:enumeration value="NE"/>
    <xsd:enumeration value="NV"/>
    <xsd:enumeration value="NH"/>
    <xsd:enumeration value="NJ"/>
    <xsd:enumeration value="NM"/>
    <xsd:enumeration value="NY"/>
    <xsd:enumeration value="NC"/>
    <xsd:enumeration value="ND"/>
    <xsd:enumeration value="OH"/>
    <xsd:enumeration value="OK"/>
    <xsd:enumeration value="OR"/>
    <xsd:enumeration value="PA"/>
    <xsd:enumeration value="PR"/>
    <xsd:enumeration value="RI"/>
    <xsd:enumeration value="SC"/>
    <xsd:enumeration value="SD"/>
    <xsd:enumeration value="TN"/>
    <xsd:enumeration value="TX"/>
    <xsd:enumeration value="UT"/>
    <xsd:enumeration value="VT"/>
    <xsd:enumeration value="VA"/>
    <xsd:enumeration value="WA"/>
    <xsd:enumeration value="WV"/>
    <xsd:enumeration value="WI"/>
    <xsd:enumeration value="WY"/>
    <xsd:enumeration value="AGS"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CurrencyCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Price/@currencyCode**
facets	enumeration USD

```
<xsd:simpleType name="CurrencyCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="USD"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **DeliveryBasis**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **DeliveryBasis**
facets	enumeration CIF enumeration CIFFO enumeration CNF enumeration CNFFO enumeration Delivered enumeration FAS enumeration FOB enumeration FOB Farm

	enumeration FOB Farm enumeration FST enumeration In-store
source	<xsd:simpleType name="DeliveryBasis"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CIF"/> <xsd:enumeration value="CIFFO"/> <xsd:enumeration value="CNF"/> <xsd:enumeration value="CNFFO"/> <xsd:enumeration value="Delivered"/> <xsd:enumeration value="FAS"/> <xsd:enumeration value="FOB"/> <xsd:enumeration value="FOB Farm"/> <xsd:enumeration value="FST"/> <xsd:enumeration value="In-store"/> </xsd:restriction> </xsd:simpleType>

simpleType **DistanceUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Centimeters enumeration Feet enumeration Inches enumeration Meters enumeration Yards
source	<xsd:simpleType name="DistanceUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Centimeters"/> <xsd:enumeration value="Feet"/> <xsd:enumeration value="Inches"/> <xsd:enumeration value="Meters"/> <xsd:enumeration value="Yards"/> </xsd:restriction> </xsd:simpleType>

simpleType **EquipmentType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **EquipmentType**
facets	enumeration Auger enumeration Barge enumeration Box enumeration Container enumeration Covered Hopper enumeration Double Trailer enumeration Flat-Bed enumeration Hi-Cube enumeration Hydrolic enumeration Lash Barge enumeration Laker enumeration Open Hopper enumeration Other enumeration Panamax enumeration Rake enumeration Rail enumeration Sacked enumeration Self-Trimming enumeration Self-Unloader

	enumeration Self-Unloader enumeration Ship enumeration Small-Cube enumeration Tanker enumeration Truck enumeration Tween-Decker enumeration Unit Train
source	<xsd:simpleType name="EquipmentType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Auger"/> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Box"/> <xsd:enumeration value="Container"/> <xsd:enumeration value="Covered Hopper"/> <xsd:enumeration value="Double Trailer"/> <xsd:enumeration value="Flat-Bed"/> <xsd:enumeration value="Hi-Cube"/> <xsd:enumeration value="Hydrolic"/> <xsd:enumeration value="Lash Barge"/> <xsd:enumeration value="Laker"/> <xsd:enumeration value="Open Hopper"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Panamax"/> <xsd:enumeration value="Rake"/> <xsd:enumeration value="Rail"/> <xsd:enumeration value="Sacked"/> <xsd:enumeration value="Self-Trimming"/> <xsd:enumeration value="Self-Unloader"/> <xsd:enumeration value="Ship"/> <xsd:enumeration value="Small-Cube"/> <xsd:enumeration value="Tanker"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Tween-Decker"/> <xsd:enumeration value="Unit Train"/> </xsd:restriction> </xsd:simpleType>

simpleType **FreightPaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Collect enumeration Prepaid
source	<xsd:simpleType name="FreightPaymentTermType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Collect"/> <xsd:enumeration value="Prepaid"/> </xsd:restriction> </xsd:simpleType>

simpleType **FreightRateAuthorityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Contract enumeration Quote enumeration Rate enumeration Tariff
source	<xsd:simpleType name="FreightRateAuthorityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Contract"/>

```
    <xsd:enumeration value="Quote"/>
    <xsd:enumeration value="Rate"/>
    <xsd:enumeration value="Tariff"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FuturesCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **FuturesCommodityCode**
facets	enumeration C enumeration DW enumeration KW enumeration MW enumeration NW enumeration O enumeration S enumeration SM enumeration W enumeration XC enumeration XE enumeration XO enumeration XS enumeration XW

source

```
<xsd:simpleType name="FuturesCommodityCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="C"/>
    <xsd:enumeration value="DW"/>
    <xsd:enumeration value="KW"/>
    <xsd:enumeration value="MW"/>
    <xsd:enumeration value="NW"/>
    <xsd:enumeration value="O"/>
    <xsd:enumeration value="S"/>
    <xsd:enumeration value="SM"/>
    <xsd:enumeration value="W"/>
    <xsd:enumeration value="XC"/>
    <xsd:enumeration value="XE"/>
    <xsd:enumeration value="XO"/>
    <xsd:enumeration value="XS"/>
    <xsd:enumeration value="XW"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FuturesCommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **FuturesCommodityName**
facets	enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Oats enumeration Soft Red Winter Wheat enumeration Soybean Meal enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans

source

```
<xsd:simpleType name="FuturesCommodityName">
  <xsd:restriction base="xsd:string">
```

```
    <xsd:enumeration value="Durum Wheat"/>
    <xsd:enumeration value="Hard Red Spring Wheat"/>
    <xsd:enumeration value="Hard Red Winter Wheat"/>
    <xsd:enumeration value="Oats"/>
    <xsd:enumeration value="Soft Red Winter Wheat"/>
    <xsd:enumeration value="Soybean Meal"/>
    <xsd:enumeration value="White Wheat"/>
    <xsd:enumeration value="Yellow Corn"/>
    <xsd:enumeration value="Yellow Soybeans"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FuturesExchangeCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **FuturesExchangeCode**
facets	enumeration CBOT enumeration KCBOT enumeration MGE enumeration MIDAM

source

```
<xsd:simpleType name="FuturesExchangeCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="CBOT"/>
    <xsd:enumeration value="KCBOT"/>
    <xsd:enumeration value="MGE"/>
    <xsd:enumeration value="MIDAM"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **GoverningTradeRules**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **GoverningTradeRules**
facets	enumeration FOSFA enumeration GAFTA enumeration KCBOT enumeration MGE enumeration NAEGA 2 enumeration NCPA enumeration NGFA enumeration NOPA enumeration PME

source

```
<xsd:simpleType name="GoverningTradeRules">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="FOSFA"/>
    <xsd:enumeration value="GAFTA"/>
    <xsd:enumeration value="KCBOT"/>
    <xsd:enumeration value="MGE"/>
    <xsd:enumeration value="NAEGA 2"/>
    <xsd:enumeration value="NCPA"/>
    <xsd:enumeration value="NGFA"/>
    <xsd:enumeration value="NOPA"/>
    <xsd:enumeration value="PME"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **GradesToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **GradesToGovern**
facets	enumeration Destination House enumeration Destination Official enumeration Destination Submit enumeration First Certified enumeration First Official enumeration Origin House enumeration Origin Official enumeration Origin Submit
source	<xsd:simpleType name="GradesToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Destination House"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination Submit"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="Origin House"/> <xsd:enumeration value="Origin Official"/> <xsd:enumeration value="Origin Submit"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Affidavit enumeration A enumeration B enumeration C enumeration D enumeration E enumeration Other enumeration State Warehouse enumeration U.S. Warehouse Act
source	<xsd:simpleType name="InspectionClassCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Affidavit"/> <xsd:enumeration value="A"/> <xsd:enumeration value="B"/> <xsd:enumeration value="C"/> <xsd:enumeration value="D"/> <xsd:enumeration value="E"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="State Warehouse"/> <xsd:enumeration value="U.S. Warehouse Act"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionLevelType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

facets	enumeration Appeal enumeration Board Appeal enumeration Original enumeration Reinspection enumeration Supervision
source	<xsd:simpleType name="InspectionLevelType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Appeal"/> <xsd:enumeration value="Board Appeal"/> <xsd:enumeration value="Original"/> <xsd:enumeration value="Reinspection"/> <xsd:enumeration value="Supervision"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionProviderType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Federal enumeration House enumeration State enumeration Third Party
source	<xsd:simpleType name="InspectionProviderType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Federal"/> <xsd:enumeration value="House"/> <xsd:enumeration value="State"/> <xsd:enumeration value="Third Party"/> </xsd:restriction> </xsd:simpleType>

simpleType **MonthsOfYear**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **FuturesMonth**
facets	enumeration January enumeration February enumeration March enumeration April enumeration May enumeration June enumeration July enumeration August enumeration September enumeration October enumeration November enumeration December
source	<xsd:simpleType name="MonthsOfYear"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="January"/> <xsd:enumeration value="February"/> <xsd:enumeration value="March"/> <xsd:enumeration value="April"/> <xsd:enumeration value="May"/> <xsd:enumeration value="June"/> <xsd:enumeration value="July"/> <xsd:enumeration value="August"/> <xsd:enumeration value="September"/>

```
    <xsd:enumeration value="October"/>
    <xsd:enumeration value="November"/>
    <xsd:enumeration value="December"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **PaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **PaymentTermType**
facets	enumeration At Time of Settlement enumeration Bill of Lading enumeration Bonded by Warehouse enumeration Cash Against Documents enumeration Cash Against Mates Receipt enumeration Cash in Advance enumeration Draft Bill of Lading enumeration Letter of Credit enumeration Letter of Credit Draft Bill of Lading enumeration Inter-Department Transfer enumeration Net enumeration Prepay enumeration Sight Draft enumeration Wire Transfer enumeration Wire Transfer Against Invoice and Documents enumeration Usual Terms

source

```
<xsd:simpleType name="PaymentTermType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="At Time of Settlement"/>
    <xsd:enumeration value="Bill of Lading"/>
    <xsd:enumeration value="Bonded by Warehouse"/>
    <xsd:enumeration value="Cash Against Documents"/>
    <xsd:enumeration value="Cash Against Mates Receipt"/>
    <xsd:enumeration value="Cash in Advance"/>
    <xsd:enumeration value="Draft Bill of Lading"/>
    <xsd:enumeration value="Letter of Credit"/>
    <xsd:enumeration value="Letter of Credit Draft Bill of Lading"/>
    <xsd:enumeration value="Inter-Department Transfer"/>
    <xsd:enumeration value="Net"/>
    <xsd:enumeration value="Prepay"/>
    <xsd:enumeration value="Sight Draft"/>
    <xsd:enumeration value="Wire Transfer"/>
    <xsd:enumeration value="Wire Transfer Against Invoice and Documents"/>
    <xsd:enumeration value="Usual Terms"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **PermitIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CLOCK enumeration COT enumeration GEEP enumeration Grain Authorization enumeration Lease enumeration PERX enumeration Pool enumeration Permit enumeration SCO enumeration Voucher

	enumeration Voucher
source	<xsd:simpleType name="PermitIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CLOCK"/> <xsd:enumeration value="COT"/> <xsd:enumeration value="GEEP"/> <xsd:enumeration value="Grain Authorization"/> <xsd:enumeration value="Lease"/> <xsd:enumeration value="PERX"/> <xsd:enumeration value="Pool"/> <xsd:enumeration value="Permit"/> <xsd:enumeration value="SCO"/> <xsd:enumeration value="Voucher"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountLimitCondition**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **PremiumAndDiscountLimitCondition**
facets	enumeration Negotiate enumeration Reject enumeration Subject to Rejection
source	<xsd:simpleType name="PremiumAndDiscountLimitCondition"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Negotiate"/> <xsd:enumeration value="Reject"/> <xsd:enumeration value="Subject to Rejection"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountMeasurementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **PremiumAndDiscountMeasurementType**
facets	enumeration Quality Factor enumeration Grade
source	<xsd:simpleType name="PremiumAndDiscountMeasurementType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Quality Factor"/> <xsd:enumeration value="Grade"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountQuantityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes **PremiumAndDiscountQuantity/@premiumAndDiscountQuantityType** **SpecialTermPercentage/@premiumAndDiscountQuantityType**
facets	enumeration Percent of Gross Bushels enumeration Percent of Gross Weight enumeration Percent of Net Bushels enumeration Percent of Net Weight

source	<xsd:simpleType name="PremiumAndDiscountQuantityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Percent of Gross Bushels"/> <xsd:enumeration value="Percent of Gross Weight"/> <xsd:enumeration value="Percent of Net Bushels"/> <xsd:enumeration value="Percent of Net Weight"/> </xsd:restriction> </xsd:simpleType>

simpleType **PricingCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Pricing enumeration Pricing Reversal
source	<xsd:simpleType name="PricingCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Pricing"/> <xsd:enumeration value="Pricing Reversal"/> </xsd:restriction> </xsd:simpleType>

simpleType **PricingMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Exchange enumeration Order enumeration Spot
source	<xsd:simpleType name="PricingMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Exchange"/> <xsd:enumeration value="Order"/> <xsd:enumeration value="Spot"/> </xsd:restriction> </xsd:simpleType>

simpleType **PriceType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **PriceType**
facets	enumeration Basis enumeration Delayed Price enumeration Flat enumeration Futures
source	<xsd:simpleType name="PriceType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Basis"/> <xsd:enumeration value="Delayed Price"/> <xsd:enumeration value="Flat"/> <xsd:enumeration value="Futures"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityCertificateStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Canceled enumeration Corrected enumeration Original enumeration Re-issued enumeration Verified
source	<xsd:simpleType name="QualityCertificateStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Canceled"/> <xsd:enumeration value="Corrected"/> <xsd:enumeration value="Original"/> <xsd:enumeration value="Re-issued"/> <xsd:enumeration value="Verified"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityFactorCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	elements **PremiumAndDiscountQualityFactorCode** **QualityFactorCode**
facets	enumeration ADM enumeration AFLATOXIN enumeration ANFL enumeration BADS enumeration BADW enumeration BC enumeration BCFM enumeration BLCH enumeration BLAL enumeration BLB enumeration BLIT enumeration BN enumeration BNFM enumeration BNS enumeration BRDX enumeration BRIT enumeration C enumeration CADM enumeration CBUR enumeration CCL enumeration CH enumeration CL enumeration COFO enumeration CROT enumeration CRSE enumeration CSF enumeration CSTB enumeration DEF enumeration DENT enumeration DGK enumeration DH enumeration DHV enumeration DIAT enumeration DISC enumeration DK enumeration DKT

	enumeration	DKG
	enumeration	DLQ
	enumeration	DYED
	enumeration	EHVY
	enumeration	ERC
	enumeration	ERG
	enumeration	FDK
	enumeration	FINE
	enumeration	FLIN
	enumeration	FLAD
	enumeration	FM
	enumeration	FMOR
	enumeration	FMOW
	enumeration	FMWR
	enumeration	FN
	enumeration	FSUB
	enumeration	GAR
	enumeration	GARB
	enumeration	GLAS
	enumeration	GERM
	enumeration	GLUC
	enumeration	GR
	enumeration	HARD
	enumeration	HT
	enumeration	HRS
	enumeration	HRW
	enumeration	HTG
	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF
	enumeration	IBHT
	enumeration	IBM
	enumeration	IDK
	enumeration	INF
	enumeration	LGAR
	enumeration	LGST
	enumeration	LIME
	enumeration	LSM
	enumeration	LW
	enumeration	M
	enumeration	MB
	enumeration	MDK
	enumeration	MDKG
	enumeration	MOTH
	enumeration	MSFM
	enumeration	MUST
	enumeration	MWTH
	enumeration	NSG
	enumeration	OCL
	enumeration	OCOL
	enumeration	ODK
	enumeration	ODOR
	enumeration	OG
	enumeration	OIL
	enumeration	OLI
	enumeration	OT
	enumeration	OWH
	enumeration	PL
	enumeration	PMS
	enumeration	PROT
	enumeration	RODX
	enumeration	SB
	enumeration	SBAL
	enumeration	SBLY
	enumeration	SBOC

	enumeration SC enumeration SCOR enumeration SCT enumeration SCL enumeration SG enumeration SHBN enumeration SKBN enumeration SKD enumeration SLW enumeration SMUT enumeration SMT enumeration SO enumeration SOUR enumeration SPL enumeration SS enumeration STON enumeration STND enumeration SULF enumeration THIN enumeration TOM enumeration TRET enumeration TW enumeration UMT enumeration UNCL enumeration VOMITOXIN enumeration WASH enumeration WAXY enumeration WB enumeration WBG enumeration WHAL enumeration WHT enumeration WO enumeration WOCL enumeration X
source	<xsd:simpleType name="QualityFactorCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="ADM"/> <xsd:enumeration value="AFLATOXIN"/> <xsd:enumeration value="ANFL"/> <xsd:enumeration value="BADS"/> <xsd:enumeration value="BADW"/> <xsd:enumeration value="BC"/> <xsd:enumeration value="BCFM"/> <xsd:enumeration value="BLCH"/> <xsd:enumeration value="BLAL"/> <xsd:enumeration value="BLB"/> <xsd:enumeration value="BLIT"/> <xsd:enumeration value="BN"/> <xsd:enumeration value="BNFM"/> <xsd:enumeration value="BNS"/> <xsd:enumeration value="BRDX"/> <xsd:enumeration value="BRIT"/> <xsd:enumeration value="C"/> <xsd:enumeration value="CADM"/> <xsd:enumeration value="CBUR"/> <xsd:enumeration value="CCL"/> <xsd:enumeration value="CH"/> <xsd:enumeration value="CL"/> <xsd:enumeration value="COFO"/> <xsd:enumeration value="CROT"/> <xsd:enumeration value="CRSE"/> <xsd:enumeration value="CSF"/> <xsd:enumeration value="CSTB"/> <xsd:enumeration value="DEF"/> <xsd:enumeration value="DENT"/> <xsd:enumeration value="DGK"/> <xsd:enumeration value="DH"/> <xsd:enumeration value="DHV"/>

```
<xsd:enumeration value="DIAT"/>
<xsd:enumeration value="DISC"/>
<xsd:enumeration value="DK"/>
<xsd:enumeration value="DKT"/>
<xsd:enumeration value="DKG"/>
<xsd:enumeration value="DLQ"/>
<xsd:enumeration value="DYED"/>
<xsd:enumeration value="EHVY"/>
<xsd:enumeration value="ERC"/>
<xsd:enumeration value="ERG"/>
<xsd:enumeration value="FDK"/>
<xsd:enumeration value="FINE"/>
<xsd:enumeration value="FLIN"/>
<xsd:enumeration value="FLAD"/>
<xsd:enumeration value="FM"/>
<xsd:enumeration value="FMOR"/>
<xsd:enumeration value="FMOW"/>
<xsd:enumeration value="FMWR"/>
<xsd:enumeration value="FN"/>
<xsd:enumeration value="FSUB"/>
<xsd:enumeration value="GAR"/>
<xsd:enumeration value="GARB"/>
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<xsd:enumeration value="GLUC"/>
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<xsd:enumeration value="HTG"/>
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<xsd:enumeration value="HVY"/>
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<xsd:enumeration value="LGST"/>
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<xsd:enumeration value="LSM"/>
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<xsd:enumeration value="MB"/>
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<xsd:enumeration value="MDKG"/>
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<xsd:enumeration value="MSFM"/>
<xsd:enumeration value="MUST"/>
<xsd:enumeration value="MWTH"/>
<xsd:enumeration value="NSG"/>
<xsd:enumeration value="OCL"/>
<xsd:enumeration value="OCOL"/>
<xsd:enumeration value="ODK"/>
<xsd:enumeration value="ODOR"/>
<xsd:enumeration value="OG"/>
<xsd:enumeration value="OIL"/>
<xsd:enumeration value="OLI"/>
<xsd:enumeration value="OT"/>
<xsd:enumeration value="OWH"/>
<xsd:enumeration value="PL"/>
<xsd:enumeration value="PMS"/>
<xsd:enumeration value="PROT"/>
<xsd:enumeration value="RODX"/>
```

```
    <xsd:enumeration value="SB"/>
    <xsd:enumeration value="SBAL"/>
    <xsd:enumeration value="SBLY"/>
    <xsd:enumeration value="SBOC"/>
    <xsd:enumeration value="SC"/>
    <xsd:enumeration value="SCOR"/>
    <xsd:enumeration value="SCT"/>
    <xsd:enumeration value="SCL"/>
    <xsd:enumeration value="SG"/>
    <xsd:enumeration value="SHBN"/>
    <xsd:enumeration value="SKBN"/>
    <xsd:enumeration value="SKD"/>
    <xsd:enumeration value="SLW"/>
    <xsd:enumeration value="SMUT"/>
    <xsd:enumeration value="SMT"/>
    <xsd:enumeration value="SO"/>
    <xsd:enumeration value="SOUR"/>
    <xsd:enumeration value="SPL"/>
    <xsd:enumeration value="SS"/>
    <xsd:enumeration value="STON"/>
    <xsd:enumeration value="STND"/>
    <xsd:enumeration value="SULF"/>
    <xsd:enumeration value="THIN"/>
    <xsd:enumeration value="TOM"/>
    <xsd:enumeration value="TRET"/>
    <xsd:enumeration value="TW"/>
    <xsd:enumeration value="UMT"/>
    <xsd:enumeration value="UNCL"/>
    <xsd:enumeration value="VOMITOXIN"/>
    <xsd:enumeration value="WASH"/>
    <xsd:enumeration value="WAXY"/>
    <xsd:enumeration value="WB"/>
    <xsd:enumeration value="WBG"/>
    <xsd:enumeration value="WHAL"/>
    <xsd:enumeration value="WHT"/>
    <xsd:enumeration value="WO"/>
    <xsd:enumeration value="WOCL"/>
    <xsd:enumeration value="X"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	elements **PremiumAndDiscountQualityFactorName** **QualityFactorName**
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass enumeration Broken Kernels enumeration Broken Kernels and Foreign Material enumeration Castor Beans

	enumeration	Castor Beans
	enumeration	Choice
	enumeration	Class
	enumeration	Coarse
	enumeration	Cockleburs
	enumeration	Commercially Objectionable Foreign Odor
	enumeration	Conspicuous Admixture
	enumeration	Contrasting Classes
	enumeration	Corn
	enumeration	Crotalaria
	enumeration	Cultivated Sunflower Seed
	enumeration	Damaged Kernels
	enumeration	Damaged Kernels (total)
	enumeration	Dark Hard and Vitreous
	enumeration	Defects (total)
	enumeration	Dehulled
	enumeration	Dent
	enumeration	Diatomaceous Earth
	enumeration	Distinctly Discolored
	enumeration	Distinctly Green Kernels
	enumeration	Distinctly Low Quality
	enumeration	Dockage
	enumeration	Dyed
	enumeration	Ergoty
	enumeration	Erucic Acid
	enumeration	Extra Heavy
	enumeration	Falling Numbers
	enumeration	Fine Foreign Material
	enumeration	Flint
	enumeration	Flint and Dent
	enumeration	Foreign Material
	enumeration	Foreign Material Other than Rye
	enumeration	Foreign Material Other than Wheat
	enumeration	Foreign Material Other than Wheat or Rye
	enumeration	Frost-damaged Kernels
	enumeration	Garlic Bulblets
	enumeration	Garlicky
	enumeration	Glucosinolates
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture
	enumeration	Mold-damaged Kernels
	enumeration	Musty
	enumeration	Not Standardized Grain

	enumeration Odor enumeration Oil enumeration Other Classes enumeration Other Colors enumeration Other Damaged Kernels enumeration Other Grains enumeration Other Live Insects Injurious to Stored Grain enumeration Other Types enumeration Other White Wheat enumeration Plump enumeration Protein enumeration Purple Mottled or Stained enumeration Rodent Excreta enumeration Sample Grade enumeration Sclerotinia enumeration Scoured enumeration Shrunken and Broken Kernels enumeration Similar Seeds enumeration Skinned and Broken Kernels enumeration Slightly Weathered enumeration Smut Balls enumeration Smutty enumeration Sound Barley enumeration Sound Oats enumeration Sour enumeration Soybeans enumeration Soybeans of Other Colors enumeration Splits enumeration Stained enumeration Stinkbug Damaged enumeration Stones enumeration Stress Cracks enumeration Subclass enumeration Suitable Malting Type enumeration Sulfured enumeration Test Weight enumeration Thin enumeration Total Other Material enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:simpleType name="QualityFactorName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Admixture"/> <xsd:enumeration value="Aflatoxin"/> <xsd:enumeration value="Angoumois Moths"/> <xsd:enumeration value="Animal Filth"/> <xsd:enumeration value="Badly Stained"/> <xsd:enumeration value="Badly Weathered"/> <xsd:enumeration value="Bird Excreta"/> <xsd:enumeration value="Bleached"/> <xsd:enumeration value="Blight"/> <xsd:enumeration value="Blue Aleurone"/> <xsd:enumeration value="Blue Barley"/> <xsd:enumeration value="Bottom Not Sampled"/> <xsd:enumeration value="Bright"/> <xsd:enumeration value="Broken Corn"/>

```
<xsd:enumeration value="Broken Corn and  Foreign Material"/>
<xsd:enumeration value="Broken Glass"/>
<xsd:enumeration value="Broken Kernels"/>
<xsd:enumeration value="Broken Kernels and Foreign Material"/>
<xsd:enumeration value="Castor Beans"/>
<xsd:enumeration value="Choice"/>
<xsd:enumeration value="Class"/>
<xsd:enumeration value="Coarse"/>
<xsd:enumeration value="Cockleburs"/>
<xsd:enumeration value="Commercially Objectionable Foreign Odor"/>
<xsd:enumeration value="Conspicuous Admixture"/>
<xsd:enumeration value="Contrasting Classes"/>
<xsd:enumeration value="Corn"/>
<xsd:enumeration value="Crotalaria"/>
<xsd:enumeration value="Cultivated Sunflower Seed"/>
<xsd:enumeration value="Damaged Kernels"/>
<xsd:enumeration value="Damaged Kernels (total)"/>
<xsd:enumeration value="Dark  Hard  and  Vitreous"/>
<xsd:enumeration value="Defects (total)"/>
<xsd:enumeration value="Dehulled"/>
<xsd:enumeration value="Dent"/>
<xsd:enumeration value="Diatomaceous Earth"/>
<xsd:enumeration value="Distinctly Discolored"/>
<xsd:enumeration value="Distinctly Green Kernels"/>
<xsd:enumeration value="Distinctly Low Quality"/>
<xsd:enumeration value="Dockage"/>
<xsd:enumeration value="Dyed"/>
<xsd:enumeration value="Ergoty"/>
<xsd:enumeration value="Erucic Acid"/>
<xsd:enumeration value="Extra Heavy"/>
<xsd:enumeration value="Falling Numbers"/>
<xsd:enumeration value="Fine Foreign Material"/>
<xsd:enumeration value="Flint"/>
<xsd:enumeration value="Flint and Dent"/>
<xsd:enumeration value="Foreign Material"/>
<xsd:enumeration value="Foreign Material Other than Rye"/>
<xsd:enumeration value="Foreign Material Other than Wheat"/>
<xsd:enumeration value="Foreign Material Other than Wheat or Rye"/>
<xsd:enumeration value="Frost-damaged Kernels"/>
<xsd:enumeration value="Garlic Bulblets"/>
<xsd:enumeration value="Garlicky"/>
<xsd:enumeration value="Glucosinolates"/>
<xsd:enumeration value="Germ"/>
<xsd:enumeration value="Grain"/>
<xsd:enumeration value="Handpicked"/>
<xsd:enumeration value="Handpicked Foreign Material"/>
<xsd:enumeration value="Hard and Vitreous Kernels of Amber Color"/>
<xsd:enumeration value="Hard Kernels"/>
<xsd:enumeration value="Heat-damaged Kernels"/>
<xsd:enumeration value="Hard Red Winter"/>
<xsd:enumeration value="Hard Red Spring"/>
<xsd:enumeration value="Heating"/>
<xsd:enumeration value="Heavy"/>
<xsd:enumeration value="Inconspicuous Admixture"/>
<xsd:enumeration value="Infested"/>
<xsd:enumeration value="Injured by Frost"/>
<xsd:enumeration value="Injured by Heat"/>
<xsd:enumeration value="Injured by Mold"/>
<xsd:enumeration value="Insect-damaged Kernels"/>
<xsd:enumeration value="Large stones  etc."/>
<xsd:enumeration value="Light Garlicky"/>
<xsd:enumeration value="Light Smutty"/>
<xsd:enumeration value="Limed"/>
<xsd:enumeration value="Machine Separated Broken Kernels and FM"/>
<xsd:enumeration value="Malting Barley"/>
<xsd:enumeration value="Materially Weathered"/>
<xsd:enumeration value="Mechanically Separated Dockage"/>
<xsd:enumeration value="Mixed"/>
```

```
    <xsd:enumeration value="Moisture"/>
    <xsd:enumeration value="Mold-damaged Kernels"/>
    <xsd:enumeration value="Musty"/>
    <xsd:enumeration value="Not Standardized Grain"/>
    <xsd:enumeration value="Odor"/>
    <xsd:enumeration value="Oil"/>
    <xsd:enumeration value="Other Classes"/>
    <xsd:enumeration value="Other Colors"/>
    <xsd:enumeration value="Other Damaged Kernels"/>
    <xsd:enumeration value="Other Grains"/>
    <xsd:enumeration value="Other Live Insects Injurious to Stored Grain"/>
    <xsd:enumeration value="Other Types"/>
    <xsd:enumeration value="Other White Wheat"/>
    <xsd:enumeration value="Plump"/>
    <xsd:enumeration value="Protein"/>
    <xsd:enumeration value="Purple Mottled or Stained"/>
    <xsd:enumeration value="Rodent Excreta"/>
    <xsd:enumeration value="Sample Grade"/>
    <xsd:enumeration value="Sclerotinia"/>
    <xsd:enumeration value="Scoured"/>
    <xsd:enumeration value="Shrunken and Broken Kernels"/>
    <xsd:enumeration value="Similar Seeds"/>
    <xsd:enumeration value="Skinned and Broken Kernels"/>
    <xsd:enumeration value="Slightly Weathered"/>
    <xsd:enumeration value="Smut Balls"/>
    <xsd:enumeration value="Smutty"/>
    <xsd:enumeration value="Sound Barley"/>
    <xsd:enumeration value="Sound Oats"/>
    <xsd:enumeration value="Sour"/>
    <xsd:enumeration value="Soybeans"/>
    <xsd:enumeration value="Soybeans of Other Colors"/>
    <xsd:enumeration value="Splits"/>
    <xsd:enumeration value="Stained"/>
    <xsd:enumeration value="Stinkbug Damaged"/>
    <xsd:enumeration value="Stones"/>
    <xsd:enumeration value="Stress Cracks"/>
    <xsd:enumeration value="Subclass"/>
    <xsd:enumeration value="Suitable Malting Type"/>
    <xsd:enumeration value="Sulfured"/>
    <xsd:enumeration value="Test Weight"/>
    <xsd:enumeration value="Thin"/>
    <xsd:enumeration value="Total Other Material"/>
    <xsd:enumeration value="Treated"/>
    <xsd:enumeration value="Unclassed Wheat"/>
    <xsd:enumeration value="Unknown Foreign Substance"/>
    <xsd:enumeration value="Unsuitable Malting Type"/>
    <xsd:enumeration value="Vomitoxin"/>
    <xsd:enumeration value="Washed"/>
    <xsd:enumeration value="Waxy"/>
    <xsd:enumeration value="Weevils (live)"/>
    <xsd:enumeration value="Wheat"/>
    <xsd:enumeration value="Wheat of Other Classes"/>
    <xsd:enumeration value="White Aleurone"/>
    <xsd:enumeration value="Wild Brome Grass Seed"/>
    <xsd:enumeration value="Wild Buckwheat"/>
    <xsd:enumeration value="Wild Oats"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes QualityTolerance/@qualityFactorUnitOfMeasure PremiumAndDiscountMeasurement/@qualityFactorUnitOfMeasure

facets	enumeration Count enumeration Kilograms Per Hectoliter enumeration Parts Per Billion enumeration Parts Per Million enumeration Percent enumeration Pounds Per Bushel
source	<xsd:simpleType name="QualityFactorUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Count"/> <xsd:enumeration value="Kilograms Per Hectoliter"/> <xsd:enumeration value="Parts Per Billion"/> <xsd:enumeration value="Parts Per Million"/> <xsd:enumeration value="Percent"/> <xsd:enumeration value="Pounds Per Bushel"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityGrouping**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **QualityTolerance/@qualityGrouping**
facets	enumeration Average per 5-Car Unit enumeration Average per 3-Car Unit enumeration Contract enumeration Cumulative Sum enumeration Hold enumeration Shipment enumeration Sublot enumeration Unit
source	<xsd:simpleType name="QualityGrouping"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Average per 5-Car Unit"/> <xsd:enumeration value="Average per 3-Car Unit"/> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Cumulative Sum"/> <xsd:enumeration value="Hold"/> <xsd:enumeration value="Shipment"/> <xsd:enumeration value="Sublot"/> <xsd:enumeration value="Unit"/> </xsd:restriction> </xsd:simpleType>

simpleType **QuantityDeterminationMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Actual enumeration Draft enumeration Estimated
source	<xsd:simpleType name="QuantityDeterminationMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Actual"/> <xsd:enumeration value="Draft"/> <xsd:enumeration value="Estimated"/> </xsd:restriction> </xsd:simpleType>

simpleType **RemarkType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Remark/@remarkType**
facets	enumeration Header enumeration Footer
source	<xsd:simpleType name="RemarkType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Header"/> <xsd:enumeration value="Footer"/> </xsd:restriction> </xsd:simpleType>

simpleType **RouteCarrierSequence**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration 1st Carrier after Origin Carrier enumeration 2nd Carrier after Origin Carrier enumeration 3rd Carrier after Origin Carrier enumeration 4th Carrier after Origin Carrier enumeration 5th Carrier after Origin Carrier enumeration 6th Carrier after Origin Carrier enumeration 7th Carrier after Origin Carrier enumeration 8th Carrier after Origin Carrier enumeration 9th Carrier after Origin Carrier enumeration Delivery Carrier enumeration Delivery Switch Carrier enumeration Origin Carrier enumeration Origin Switch Carrier
source	<xsd:simpleType name="RouteCarrierSequence"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="1st Carrier after Origin Carrier"/> <xsd:enumeration value="2nd Carrier after Origin Carrier"/> <xsd:enumeration value="3rd Carrier after Origin Carrier"/> <xsd:enumeration value="4th Carrier after Origin Carrier"/> <xsd:enumeration value="5th Carrier after Origin Carrier"/> <xsd:enumeration value="6th Carrier after Origin Carrier"/> <xsd:enumeration value="7th Carrier after Origin Carrier"/> <xsd:enumeration value="8th Carrier after Origin Carrier"/> <xsd:enumeration value="9th Carrier after Origin Carrier"/> <xsd:enumeration value="Delivery Carrier"/> <xsd:enumeration value="Delivery Switch Carrier"/> <xsd:enumeration value="Origin Carrier"/> <xsd:enumeration value="Origin Switch Carrier"/> </xsd:restriction> </xsd:simpleType>

simpleType **RouteType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Carrier enumeration Shipper

source	<xsd:simpleType name="RouteType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Carrier"/> <xsd:enumeration value="Shipper"/> </xsd:restriction> </xsd:simpleType>

simpleType **SampleMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Belt enumeration Diverter enumeration Door enumeration Ellis Cup enumeration Mechanical Diverter enumeration Other enumeration Pelican enumeration Probe enumeration Shallow Probe enumeration Woodside
source	<xsd:simpleType name="SampleMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Belt"/> <xsd:enumeration value="Diverter"/> <xsd:enumeration value="Door"/> <xsd:enumeration value="Ellis Cup"/> <xsd:enumeration value="Mechanical Diverter"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Pelican"/> <xsd:enumeration value="Probe"/> <xsd:enumeration value="Shallow Probe"/> <xsd:enumeration value="Woodside"/> </xsd:restriction> </xsd:simpleType>

simpleType **SampleOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Official enumeration Submitted
source	<xsd:simpleType name="SampleOfficialCategory"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Official"/> <xsd:enumeration value="Submitted"/> </xsd:restriction> </xsd:simpleType>

simpleType **ScheduleEvent**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **ScheduleEvent**
facets	enumeration At Time of Contract Creation enumeration At Time of Load

	enumeration At Time of Pricing enumeration At Time of Settlement enumeration At Time of Shipment enumeration At Time of Unload
source	<xsd:simpleType name="ScheduleEvent"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="At Time of Contract Creation"/> <xsd:enumeration value="At Time of Load"/> <xsd:enumeration value="At Time of Pricing"/> <xsd:enumeration value="At Time of Settlement"/> <xsd:enumeration value="At Time of Shipment"/> <xsd:enumeration value="At Time of Unload"/> </xsd:restriction> </xsd:simpleType>

simpleType **ServiceEvent**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **ServiceEvent**
facets	enumeration Export enumeration Inbound enumeration Outbound enumeration Submitted enumeration Track
source	<xsd:simpleType name="ServiceEvent"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Export"/> <xsd:enumeration value="Inbound"/> <xsd:enumeration value="Outbound"/> <xsd:enumeration value="Submitted"/> <xsd:enumeration value="Track"/> </xsd:restriction> </xsd:simpleType>

simpleType **ServiceOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **ServiceOfficialCategory**
facets	enumeration Certified enumeration Official enumeration Unofficial
source	<xsd:simpleType name="ServiceOfficialCategory"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Certified"/> <xsd:enumeration value="Official"/> <xsd:enumeration value="Unofficial"/> </xsd:restriction> </xsd:simpleType>

simpleType **SpecialHandlingService**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

facets	enumeration Destination Weights enumeration Destination Grades enumeration First Official Grades enumeration First Official Weights enumeration LFVC enumeration Official Grades enumeration Official Weights enumeration Origin Weights enumeration Origin Grades enumeration Track Scale Weights enumeration WD enumeration WI enumeration WISD enumeration XP
source	<xsd:simpleType name="SpecialHandlingService"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Destination Weights"/> <xsd:enumeration value="Destination Grades"/> <xsd:enumeration value="First Official Grades"/> <xsd:enumeration value="First Official Weights"/> <xsd:enumeration value="LFVC"/> <xsd:enumeration value="Official Grades"/> <xsd:enumeration value="Official Weights"/> <xsd:enumeration value="Origin Weights"/> <xsd:enumeration value="Origin Grades"/> <xsd:enumeration value="Track Scale Weights"/> <xsd:enumeration value="WD"/> <xsd:enumeration value="WI"/> <xsd:enumeration value="WISD"/> <xsd:enumeration value="XP"/> </xsd:restriction> </xsd:simpleType>

simpleType **SpecialTermName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **SpecialTermName**
facets	enumeration Advance Rate enumeration Broker Rate enumeration Cancellation Fee enumeration Carrying Charge enumeration Days Load Notice enumeration Demurrage Charge enumeration Despatch Charge enumeration Delayed Price In Charge enumeration Delayed Price Monthly Charge enumeration Fumigation Charge enumeration Interest Charge enumeration Issue Fee enumeration Load Guarantee enumeration Load Port Declaration enumeration Other enumeration Price By Date enumeration Re-price Charge enumeration Roll Fee enumeration Service Charge enumeration Shipment Period Declaration enumeration Special Contract Information enumeration Storage In Charge enumeration Storage Monthly Charge
source	<xsd:simpleType name="SpecialTermName"> <xsd:restriction base="xsd:string">

```
    <xsd:enumeration value="Advance Rate"/>
    <xsd:enumeration value="Broker Rate"/>
    <xsd:enumeration value="Cancellation Fee"/>
    <xsd:enumeration value="Carrying Charge"/>
    <xsd:enumeration value="Days Load Notice"/>
    <xsd:enumeration value="Demurrage Charge"/>
    <xsd:enumeration value="Despatch Charge"/>
    <xsd:enumeration value="Delayed Price In Charge"/>
    <xsd:enumeration value="Delayed Price Monthly Charge"/>
    <xsd:enumeration value="Fumigation Charge"/>
    <xsd:enumeration value="Interest Charge"/>
    <xsd:enumeration value="Issue Fee"/>
    <xsd:enumeration value="Load Guarantee"/>
    <xsd:enumeration value="Load Port Declaration"/>
    <xsd:enumeration value="Other"/>
    <xsd:enumeration value="Price By Date"/>
    <xsd:enumeration value="Re-price Charge"/>
    <xsd:enumeration value="Roll Fee"/>
    <xsd:enumeration value="Service Charge"/>
    <xsd:enumeration value="Shipment Period Declaration"/>
    <xsd:enumeration value="Special Contract Information"/>
    <xsd:enumeration value="Storage In Charge"/>
    <xsd:enumeration value="Storage Monthly Charge"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **StandardTransportationCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration 01-131 Barley enumeration 01-132 Corn enumeration 01-133 Oats enumeration 01-135 Rye enumeration 01-136 Sorghum Grains enumeration 01-137 Wheat enumeration 01-139 Grain, NEC enumeration 01-141 Cottonseeds enumeration 01-142 Flaxseeds enumeration 01-144 Soybeans enumeration 01-149 Oil Kernals, nuts or seeds enumeration 01-152 Popcorn enumeration 01-159 Seeds enumeration 01-191 Fodder Hay or Roughage enumeration 01-341 Beans, Dry Ripe enumeration 01-342 Peas, Dry enumeration 01-343 Cowpeas, Lentils or Lupines enumeration 01-992 Alfalfa Meal enumeration 20-411 Wheat Flour enumeration 20-412 Wheat bran, middlings enumeration 20-413 Corn meal or flour enumeration 20-414 Rye flour enumeration 20-415 Oat flour enumeration 20-418 Grain mill by-products enumeration 20-419 Flour or other grain mill products, NEC enumeration 20-421 Prepared Feeds enumeration 20-461 Corn syrup enumeration 20-462 Corn starch enumeration 20-463 Corn sugar enumeration 20-464 Dextrine, corn, tapioca or other enumeration 20-465 Corn oil enumeration 20-466 Other starch enumeration 20-467 Wet process corn or similar mill by-products enumeration 20-469 Wet process corn milling or by-products enumeration 20-471 Bird Food or Seed,Domestic enumeration 20-619 Beet Pulp Pellets

	enumeration 20-619 Beet Pulp Pellets enumeration 20-823 Spent Grains enumeration 20-831 Malt enumeration 20-839 Malt Products enumeration 20-859 Distillers By-Products enumeration 20-914 Cottonseed Meal or By-Products enumeration 20-921 Soybean oil enumeration 20-923 Soybean meal and hulls enumeration 20-933 Nut or Vegetable Oils enumeration 20-939 Oil Seed Meals & By-Products, NEC enumeration 20-942 Fish Meal enumeration 20-144 Animal Protein Products enumeration 01-134 Rough Rice enumeration 20-449 Milled Rice, Rice By-Products, etc. enumeration 20-442 Rice Flour enumeration 20-933 Rice Oil enumeration 20-442 Rice Bran enumeration 37-422 Freight cars moving on own-wheels enumeration
source	<xsd:simpleType name="StandardTransportationCommodityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="01-131 Barley"/> <xsd:enumeration value="01-132 Corn"/> <xsd:enumeration value="01-133 Oats"/> <xsd:enumeration value="01-135 Rye"/> <xsd:enumeration value="01-136 Sorghum Grains"/> <xsd:enumeration value="01-137 Wheat"/> <xsd:enumeration value="01-139 Grain, NEC"/> <xsd:enumeration value="01-141 Cottonseeds"/> <xsd:enumeration value="01-142 Flaxseeds"/> <xsd:enumeration value="01-144 Soybeans"/> <xsd:enumeration value="01-149 Oil Kernals, nuts or seeds"/> <xsd:enumeration value="01-152 Popcorn"/> <xsd:enumeration value="01-159 Seeds"/> <xsd:enumeration value="01-191 Fodder Hay or Roughage"/> <xsd:enumeration value="01-341 Beans, Dry Ripe"/> <xsd:enumeration value="01-342 Peas, Dry"/> <xsd:enumeration value="01-343 Cowpeas, Lentils or Lupines"/> <xsd:enumeration value="01-992 Alfalfa Meal"/> <xsd:enumeration value="20-411 Wheat Flour"/> <xsd:enumeration value="20-412 Wheat bran, middlings"/> <xsd:enumeration value="20-413 Corn meal or flour"/> <xsd:enumeration value="20-414 Rye flour"/> <xsd:enumeration value="20-415 Oat flour"/> <xsd:enumeration value="20-418 Grain mill by-products"/> <xsd:enumeration value="20-419 Flour or other grain mill products, NEC"/> <xsd:enumeration value="20-421 Prepared Feeds"/> <xsd:enumeration value="20-461 Corn syrup"/> <xsd:enumeration value="20-462 Corn starch"/> <xsd:enumeration value="20-463 Corn sugar"/> <xsd:enumeration value="20-464 Dextrine, corn, tapioca or other"/> <xsd:enumeration value="20-465 Corn oil"/> <xsd:enumeration value="20-466 Other starch"/> <xsd:enumeration value="20-467 Wet process corn or similar mill by-products"/> <xsd:enumeration value="20-469 Wet process corn milling or by-products"/> <xsd:enumeration value="20-471 Bird Food or Seed,Domestic"/> <xsd:enumeration value="20-619 Beet Pulp Pellets"/> <xsd:enumeration value="20-823 Spent Grains"/> <xsd:enumeration value="20-831 Malt"/> <xsd:enumeration value="20-839 Malt Products"/> <xsd:enumeration value="20-859 Distillers By-Products"/> <xsd:enumeration value="20-914 Cottonseed Meal or By-Products"/> <xsd:enumeration value="20-921 Soybean oil"/> <xsd:enumeration value="20-923 Soybean meal and hulls"/> <xsd:enumeration value="20-933 Nut or Vegetable Oils"/> <xsd:enumeration value="20-939 Oil Seed Meals & By-Products, NEC"/> <xsd:enumeration value="20-942 Fish Meal"/> <xsd:enumeration value="20-144 Animal Protein Products"/>

```
    <xsd:enumeration value="01-134 Rough Rice"/>
    <xsd:enumeration value="20-449 Milled Rice, Rice By-Products, etc."/>
    <xsd:enumeration value="20-442 Rice Flour"/>
    <xsd:enumeration value="20-933 Rice Oil"/>
    <xsd:enumeration value="20-442 Rice Bran"/>
    <xsd:enumeration value="37-422 Freight cars moving on own-wheels"/>
    <xsd:enumeration value=""/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **TimeUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes SpecialTermTimeIncrement/@timeUnitOfMeasure PaymentTermTime/@timeUnitOfMeasure
facets	enumeration Day enumeration Hour enumeration Minute enumeration Month enumeration Second enumeration Week enumeration Year

source

```
<xsd:simpleType name="TimeUnitOfMeasure">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Day"/>
    <xsd:enumeration value="Hour"/>
    <xsd:enumeration value="Minute"/>
    <xsd:enumeration value="Month"/>
    <xsd:enumeration value="Second"/>
    <xsd:enumeration value="Week"/>
    <xsd:enumeration value="Year"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **TolerancePricingTerm**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element TolerancePricingTerm
facets	enumeration Contract Basis enumeration Contract Flat Price enumeration Market Day After Unload enumeration Market Day of Load

source

```
<xsd:simpleType name="TolerancePricingTerm">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Contract Basis"/>
    <xsd:enumeration value="Contract Flat Price"/>
    <xsd:enumeration value="Market Day After Unload"/>
    <xsd:enumeration value="Market Day of Load"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **TransportationMode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

used by	element **TransportationMode**
facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck enumeration Vessel
source	<xsd:simpleType name="TransportationMode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="In-store"/> <xsd:enumeration value="Rail"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Vessel"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationProvider**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **TransportationProvider**
facets	enumeration Agent enumeration Buyer enumeration Seller
source	<xsd:simpleType name="TransportationProvider"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent"/> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **TransportationUnitSize/@transportationUnitOfMeasure**
facets	enumeration Barges enumeration Cars enumeration Holds enumeration Trucks enumeration
source	<xsd:simpleType name="TransportationUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barges"/> <xsd:enumeration value="Cars"/> <xsd:enumeration value="Holds"/> <xsd:enumeration value="Trucks"/> <xsd:enumeration value=""/> </xsd:restriction> </xsd:simpleType>

simpleType **TruckDriverStatus**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
facets	enumeration Off enumeration On enumeration Unknown
source	<xsd:simpleType name="TruckDriverStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Off"/> <xsd:enumeration value="On"/> <xsd:enumeration value="Unknown"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityMovementStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Complete Notification enumeration Disposition Notification enumeration Quality Notification enumeration Weight and Quality Notification enumeration Weight Notification
source	<xsd:simpleType name="CommodityMovementStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Complete Notification"/> <xsd:enumeration value="Disposition Notification"/> <xsd:enumeration value="Quality Notification"/> <xsd:enumeration value="Weight and Quality Notification"/> <xsd:enumeration value="Weight Notification"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityMovementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Inbound enumeration In-store enumeration Outbound enumeration Paper Trade
source	<xsd:simpleType name="CommodityMovementType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Inbound"/> <xsd:enumeration value="In-store"/> <xsd:enumeration value="Outbound"/> <xsd:enumeration value="Paper Trade"/> </xsd:restriction> </xsd:simpleType>

simpleType **VehicleIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Barge enumeration Bar Code enumeration Bill of Lading enumeration Contract enumeration Description

	enumeration Driver Name enumeration Load Order enumeration Rail Car enumeration Scale Ticket enumeration Trailer License enumeration Truck License enumeration Vessel Hold enumeration Vessel Name
source	<xsd:simpleType name="VehicleIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bar Code"/> <xsd:enumeration value="Bill of Lading"/> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Description"/> <xsd:enumeration value="Driver Name"/> <xsd:enumeration value="Load Order"/> <xsd:enumeration value="Rail Car"/> <xsd:enumeration value="Scale Ticket"/> <xsd:enumeration value="Trailer License"/> <xsd:enumeration value="Truck License"/> <xsd:enumeration value="Vessel Hold"/> <xsd:enumeration value="Vessel Name"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Affidavit enumeration House enumeration X enumeration Y enumeration 1 enumeration 2 enumeration 3
source	<xsd:simpleType name="WeightClassCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Affidavit"/> <xsd:enumeration value="House"/> <xsd:enumeration value="X"/> <xsd:enumeration value="Y"/> <xsd:enumeration value="1"/> <xsd:enumeration value="2"/> <xsd:enumeration value="3"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightsToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **WeightsToGovern**
facets	enumeration Certified enumeration Destination Certified enumeration Destination Official enumeration Destination or Railroad enumeration First Certified enumeration First Official enumeration First Official or Certified

	enumeration First Official or Certified enumeration First Official or Destination enumeration First Official or Railroad enumeration Origin Certified enumeration Origin House enumeration Origin Official
source	<xsd:simpleType name="WeightsToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Certified"/> <xsd:enumeration value="Destination Certified"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination or Railroad"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="First Official or Certified"/> <xsd:enumeration value="First Official or Destination"/> <xsd:enumeration value="First Official or Railroad"/> <xsd:enumeration value="Origin Certified"/> <xsd:enumeration value="Origin House"/> <xsd:enumeration value="Origin Official"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Hundred Weight enumeration Kilograms enumeration Long tons enumeration Metric tons enumeration Pounds enumeration Short tons
source	<xsd:simpleType name="WeightUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Hundred Weight"/> <xsd:enumeration value="Kilograms"/> <xsd:enumeration value="Long tons"/> <xsd:enumeration value="Metric tons"/> <xsd:enumeration value="Pounds"/> <xsd:enumeration value="Short tons"/> </xsd:restriction> </xsd:simpleType>

9.5 Sample XML Instance Document

```
<?xml version="1.0" encoding="UTF-8" ?>
- <Contract xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:noNamespaceSchemaLocation="file:///C:/AgXML/schemas/Contract.xsd">
   - <ContractHeader>
      - <ContractOriginatorInformation>
            <ContractOriginator>Seller</ContractOriginator>
            <ContractIdentifier>50000</ContractIdentifier>
        </ContractOriginatorInformation>
      - <ContractDateTime>
            <Date>2001-04-19</Date>
        </ContractDateTime>
      - <Buyer>
         - <EntityInformation>
               <EntityIdentifier>016705</EntityIdentifier>
               <EntityName>ADM/Growmark</EntityName>
               <LocationName>River House</LocationName>
            - <Address>
                  <AddressLine>P O Box 123</AddressLine>
                  <City>Memphis</City>
                  <CountryRegionCode>TN</CountryRegionCode>
                  <PostalCode>12345</PostalCode>
               </Address>
            </EntityInformation>
        </Buyer>
      - <Seller>
         - <EntityInformation>
               <EntityIdentifier>90108</EntityIdentifier>
               <EntityName>ADM/Growmark</EntityName>
            - <Address>
                  <AddressLine>P O Box 629</AddressLine>
                  <City>Decatur</City>
                  <PostalCode>62525-1806</PostalCode>
               </Address>
            </EntityInformation>
         - <ContactInformation>
            - <CommunicationInformation>
                  <CommunicationCode>217-424-5900</CommunicationCode>
                  <CommunicationMethod>Cell Phone</CommunicationMethod>
               </CommunicationInformation>
            </ContactInformation>
            <TraderName>CW</TraderName>
            <ContractIdentifier>50000</ContractIdentifier>
         </Seller>
   </ContractHeader>
   - <ContractDetails>
      - <ContractDetail>
         - <ContractCommodityInformation>
               <CommodityStandardsAuthorityCode>GIPSA</CommodityStandardsAuthorityCode>
               <CommodityNameCode>YC</CommodityNameCode>
               <CommodityName>Yellow Corn</CommodityName>
               <CommodityStandardGrade>U.S. No 2</CommodityStandardGrade>
            </ContractCommodityInformation>
         - <ContractQualityInformation>
            - <QualityTerms>
               - <QualityTerm>
                     <QualityFactorCode>FM</QualityFactorCode>
                     <QualityFactorName>Foreign Material</QualityFactorName>
                  - <QualityTolerance qualityFactorUnitOfMeasure="Percent"
                        qualityGrouping="Shipment">
                        <MaximumQuality>4.0</MaximumQuality>
                     </QualityTolerance>
                  </QualityTerm>
               - <QualityTerm>
                     <QualityFactorCode>DK</QualityFactorCode>
```

```
                    <QualityFactorName>Damaged Kernels</QualityFactorName>
                  - <QualityTolerance qualityFactorUnitOfMeasure="Percent"
                        qualityGrouping="Shipment">
                        <MaximumQuality>5.0</MaximumQuality>
                    </QualityTolerance>
                </QualityTerm>
              - <QualityTerm>
                    <QualityFactorCode>M</QualityFactorCode>
                    <QualityFactorName>Moisture</QualityFactorName>
                  - <QualityTolerance qualityFactorUnitOfMeasure="Percent"
                        qualityGrouping="Shipment">
                        <AverageQuality>15.0</AverageQuality>
                    </QualityTolerance>
                </QualityTerm>
              - <QualityTerm>
                    <QualityFactorCode>TW</QualityFactorCode>
                    <QualityFactorName>Test Weight</QualityFactorName>
                  - <QualityTolerance qualityFactorUnitOfMeasure="Pounds Per Bushel"
                        qualityGrouping="Shipment">
                        <MinimumQuality>54.0</MinimumQuality>
                    </QualityTolerance>
                </QualityTerm>
            </QualityTerms>
        </ContractQualityInformation>
        <ContractQuantity commodityUnitOfMeasure="Bushel">90000.00</ContractQuantity>
        <PriceType>Basis</PriceType>
      - <PriceInformation>
          - <BasisPrice>
                <Price currencyCode="USD" commodityUnitOfMeasure="Bushel">-.60</Price>
              - <FuturesInformation>
                    <FuturesCommodityCode>C</FuturesCommodityCode>
                    <FuturesCommodityName>Yellow Corn</FuturesCommodityName>
                    <FuturesMonth>May</FuturesMonth>
                    <FuturesYear>2001</FuturesYear>
                    <FuturesExchangeCode>CBOT</FuturesExchangeCode>
                </FuturesInformation>
            </BasisPrice>
        </PriceInformation>
      - <ShipmentOrDeliveryPeriod>
            <BeginningDate>2001-05-01</BeginningDate>
            <EndingDate>2001-05-31</EndingDate>
        </ShipmentOrDeliveryPeriod>
        <DeliveryBasis>FOB</DeliveryBasis>
      - <BasisPointInformation>
          - <BasisPointLocationInformation>
              - <LocationInformation>
                  - <Address>
                        <City>Champaign</City>
                    </Address>
                </LocationInformation>
            </BasisPointLocationInformation>
        </BasisPointInformation>
      - <TransportationInformation>
            <TransportationMode>Rail</TransportationMode>
            <TransportationUnitSize transportationUnitOfMeasure="Cars">25</TransportationUnitSize>
            <TransportationProvider>Buyer</TransportationProvider>
        </TransportationInformation>
      - <GradesToGovernInformation>
            <GradesToGovern>First Official</GradesToGovern>
        </GradesToGovernInformation>
      - <WeightsToGovernInformation>
            <WeightsToGovern>Destination Certified</WeightsToGovern>
        </WeightsToGovernInformation>
      - <GoverningTradeRuleInformation>
            <GoverningTradeRules>NGFA</GoverningTradeRules>
        </GoverningTradeRuleInformation>
      - <PaymentTerms>
          - <PaymentTerm>
```

```
            <PaymentTermType>Usual Terms</PaymentTermType>
          </PaymentTerm>
        </PaymentTerms>
      - <PremiumAndDiscountInformation>
        - <PremiumAndDiscountSchedules>
            <PremiumAndDiscountScheduleDescription>Moisture discount 1 1/2c ea 1/2 15.0 to
                16.0</PremiumAndDiscountScheduleDescription>
            <PremiumAndDiscountMeasurementType>Quality
                Factor</PremiumAndDiscountMeasurementType>
          - <PremiumAndDiscountQualityFactorInformation>

                <PremiumAndDiscountQualityFactorName>Moisture</PremiumAndDiscoun
                tQualityFactorName>

                <PremiumAndDiscountQualityFactorCode>M</PremiumAndDiscountQuality
                FactorCode>
            </PremiumAndDiscountQualityFactorInformation>
          - <PremiumAndDiscountSchedule>
            - <PremiumAndDiscountMeasurement qualityFactorUnitOfMeasure="Percent">

                    <PremiumAndDiscountMeasurementFrom>15.0</PremiumAndDiscou
                    ntMeasurementFrom>

                    <PremiumAndDiscountMeasurementTo>16.0</PremiumAndDiscount
                    MeasurementTo>

                    <PremiumAndDiscountMeasurementIncrement>.5</PremiumAndDisc
                    ountMeasurementIncrement>
                </PremiumAndDiscountMeasurement>
              - <PremiumAndDiscountPrice>
                  <Price currencyCode="USD"
                      commodityUnitOfMeasure="Bushel">.025</Price>
                </PremiumAndDiscountPrice>
            </PremiumAndDiscountSchedule>
          </PremiumAndDiscountSchedules>
        - <PremiumAndDiscountSchedules>
            <PremiumAndDiscountScheduleDescription>Test Weight 1c each pound below 54.0
                to 52.0</PremiumAndDiscountScheduleDescription>
            <PremiumAndDiscountMeasurementType>Quality
                Factor</PremiumAndDiscountMeasurementType>
          - <PremiumAndDiscountQualityFactorInformation>
              <PremiumAndDiscountQualityFactorName>Test
                  Weight</PremiumAndDiscountQualityFactorName>

                <PremiumAndDiscountQualityFactorCode>TW</PremiumAndDiscountQualit
                yFactorCode>
            </PremiumAndDiscountQualityFactorInformation>
          - <PremiumAndDiscountSchedule>
            - <PremiumAndDiscountMeasurement qualityFactorUnitOfMeasure="Pounds Per
                  Bushel">

                    <PremiumAndDiscountMeasurementFrom>54.0</PremiumAndDiscou
                    ntMeasurementFrom>

                    <PremiumAndDiscountMeasurementTo>52.0</PremiumAndDiscount
                    MeasurementTo>

                    <PremiumAndDiscountMeasurementIncrement>1.0</PremiumAndDis
                    countMeasurementIncrement>
                </PremiumAndDiscountMeasurement>
              - <PremiumAndDiscountPrice>
                  <Price currencyCode="USD"
                      commodityUnitOfMeasure="Bushel">.01</Price>
                </PremiumAndDiscountPrice>
            </PremiumAndDiscountSchedule>
          </PremiumAndDiscountSchedules>
        - <PremiumAndDiscountSchedules>
            <PremiumAndDiscountScheduleDescription>Damage 1/2c each point 5.1-
```

```
                7.0%</PremiumAndDiscountScheduleDescription>
            <PremiumAndDiscountMeasurementType>Quality
                Factor</PremiumAndDiscountMeasurementType>
          - <PremiumAndDiscountQualityFactorInformation>
              <PremiumAndDiscountQualityFactorName>Damaged
                  Kernels</PremiumAndDiscountQualityFactorName>

                  <PremiumAndDiscountQualityFactorCode>DK</PremiumAndDiscountQualit
                  yFactorCode>
            </PremiumAndDiscountQualityFactorInformation>
          - <PremiumAndDiscountSchedule>
              - <PremiumAndDiscountMeasurement qualityFactorUnitOfMeasure="Percent">

                    <PremiumAndDiscountMeasurementFrom>5.1</PremiumAndDiscoun
                    tMeasurementFrom>

                    <PremiumAndDiscountMeasurementTo>7.0</PremiumAndDiscountM
                    easurementTo>

                    <PremiumAndDiscountMeasurementIncrement>1.0</PremiumAndDis
                    countMeasurementIncrement>
                </PremiumAndDiscountMeasurement>
              - <PremiumAndDiscountPrice>
                  <Price currencyCode="USD"
                      commodityUnitOfMeasure="Bushel">.005</Price>
                </PremiumAndDiscountPrice>
            </PremiumAndDiscountSchedule>
        </PremiumAndDiscountSchedules>
      - <PremiumAndDiscountSchedules>
            <PremiumAndDiscountScheduleDescription>FM 1c each point 3.1-4.0% then 1c each
                1/2 4.1-5.0%</PremiumAndDiscountScheduleDescription>
            <PremiumAndDiscountMeasurementType>Quality
                Factor</PremiumAndDiscountMeasurementType>
          - <PremiumAndDiscountQualityFactorInformation>
              <PremiumAndDiscountQualityFactorName>Foreign
                  Material</PremiumAndDiscountQualityFactorName>

                  <PremiumAndDiscountQualityFactorCode>FM</PremiumAndDiscountQualit
                  yFactorCode>
            </PremiumAndDiscountQualityFactorInformation>
          - <PremiumAndDiscountSchedule>
              - <PremiumAndDiscountMeasurement qualityFactorUnitOfMeasure="Percent">

                    <PremiumAndDiscountMeasurementFrom>3.1</PremiumAndDiscoun
                    tMeasurementFrom>

                    <PremiumAndDiscountMeasurementTo>4.0</PremiumAndDiscountM
                    easurementTo>

                    <PremiumAndDiscountMeasurementIncrement>1.0</PremiumAndDis
                    countMeasurementIncrement>
                </PremiumAndDiscountMeasurement>
              - <PremiumAndDiscountPrice>
                  <Price currencyCode="USD"
                      commodityUnitOfMeasure="Bushel">.01</Price>
                </PremiumAndDiscountPrice>
            </PremiumAndDiscountSchedule>
          - <PremiumAndDiscountSchedule>
              - <PremiumAndDiscountMeasurement qualityFactorUnitOfMeasure="Percent">

                    <PremiumAndDiscountMeasurementFrom>4.1</PremiumAndDiscoun
                    tMeasurementFrom>

                    <PremiumAndDiscountMeasurementTo>5.0</PremiumAndDiscountM
                    easurementTo>

                    <PremiumAndDiscountMeasurementIncrement>.5</PremiumAndDisc
                    ountMeasurementIncrement>
```

```
                    </PremiumAndDiscountMeasurement>
                  - <PremiumAndDiscountPrice>
                        <Price currencyCode="USD"
                              commodityUnitOfMeasure="Bushel">.01</Price>
                    </PremiumAndDiscountPrice>
                </PremiumAndDiscountSchedule>
            </PremiumAndDiscountSchedules>
        </PremiumAndDiscountInformation>
      - <SpecialTerms>
            <SpecialTermDescription>All frieght increases or decreases for account of
                buyer.</SpecialTermDescription>
            <SpecialTermName>Other</SpecialTermName>
            <SpecialTerm />
        </SpecialTerms>
      - <SpecialTerms>
            <SpecialTermDescription>Origin Aflatoxin test to govern.</SpecialTermDescription>
            <SpecialTermName>Other</SpecialTermName>
            <SpecialTerm />
        </SpecialTerms>
        <Remark remarkType="Header">We confirm sale to you today</Remark>
    </ContractDetail>
  </ContractDetails>
</Contract>
```

10 Commodity Contract Pricing Ammendment

10.1 Schema Documentation

schema location: C:\AgXML\Schemas\ContractPricing.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements

Agent
BasisPrice
BeginningDate
Buyer
CommodityClass
CommodityGroup
CommodityName
CommodityNameCode
CommoditySpecialGrade
CommodityStandardGrade
CommodityStandardGradeOptionalDesignation
CommodityStandardsAuthorityCode
CommoditySubClass
CommodityVariety
ContractCommodityInformation
ContractDateTime
ContractIdentifier
ContractPricing
ContractPricingDateTime
ContractPricingDetail
ContractPricingHeader
ContractPricingIdentifier
ContractPricingOriginator
ContractPricingOriginatorInformation
ContractQuantity
Date
EndingDate
FlatPrice
FuturesCommodityCode
FuturesCommodityName
FuturesExchangeCode
FuturesInformation
FuturesMonth
FuturesPrice
FuturesYear
OriginalContractDetailInformation
OriginalContractHeaderInformation
OriginalPriceInformation
Price
PriceInformation
PriceTypeFrom
PriceTypeTo
PricingCode
PricingMethod
PricingQuantity
PricingQuantityBalance
ReferenceIdentifier
Remark
Seller
ShipmentOrDeliveryPeriod
Time
TraderIdentifier
TraderName
TransportationMode

schema location: C:\AgXML\Schemas\cContactInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommunicationCode
CommunicationInformation
CommunicationMethod
ContactInformation
ContactName
JobTitle

schema location: C:\AgXML\Schemas\cEntityInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
EntityIdentifier
EntityInformation
EntityName
EntityType

schema location: C:\AgXML\Schemas\Glossary.xsd
targetNamespace: **http://www.agxml.org/schemas**

schema location: C:\AgXML\Schemas\dtCommunicationMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommunicationMethod

schema location: C:\AgXML\Schemas\cAddress.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
Address
AddressLine
City
CountryCode
CountryRegionCode
County
CountyFIPSCode
PostalCode

schema location: C:\AgXML\Schemas\cLocationInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
LocationIdentifier
LocationInformation
LocationName
LocationType

schema location: C:\AgXML\Schemas\dtEntityType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
EntityType

schema location: C:\AgXML\Schemas\dtApplicationType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ApplicationType

schema location: C:\AgXML\Schemas\dtBasisLocationMarket.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BasisLocationMarket

schema location: C:\AgXML\Schemas\dtBillOfLadingIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingIdentifierType

schema location: C:\AgXML\Schemas\dtBillOfLadingType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingType

schema location: C:\AgXML\Schemas\dtBuyerSellerCall.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BuyerSellerCall

schema location: C:\AgXML\Schemas\dtCommodityClass.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityClass

schema location: C:\AgXML\Schemas\dtCommodityGroup.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityGroup

schema location: C:\AgXML\Schemas\dtCommodityName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityName

schema location: C:\AgXML\Schemas\dtCommodityNameCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityNameCode

schema location: C:\AgXML\Schemas\dtCommoditySpecialGrade.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySpecialGrade

schema location: C:\AgXML\Schemas\dtCommodityStandardGrade.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGrade

schema location: **C:\AgXML\Schemas\dtCommodityStandardGradeOptionalDesignation.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGradeOptionalDesignation

schema location: **C:\AgXML\Schemas\dtCommodityStandardsAuthorityCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardsAuthorityCode

schema location: **C:\AgXML\Schemas\dtCommoditySubClass.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySubClass

schema location: **C:\AgXML\Schemas\dtCommodityUnitOfMeasure.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityUnitOfMeasure

schema location: **C:\AgXML\Schemas\dtContractOriginator.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ContractOriginator

schema location: **C:\AgXML\Schemas\dtCountryCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryCode

schema location: C:\AgXML\Schemas\dtCountryRegionCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryRegionCode

schema location: C:\AgXML\Schemas\dtCurrencyCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CurrencyCode

schema location: C:\AgXML\Schemas\dtDeliveryBasis.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DeliveryBasis

schema location: C:\AgXML\Schemas\dtDistanceUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DistanceUnitOfMeasure

schema location: C:\AgXML\Schemas\dtEquipmentType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
EquipmentType

schema location: C:\AgXML\Schemas\dtFreightPaymentTermType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightPaymentTermType

schema location: C:\AgXML\Schemas\dtFreightRateAuthorityType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightRateAuthorityType

schema location: C:\AgXML\Schemas\dtFuturesCommodityCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityCode

schema location: C:\AgXML\Schemas\dtFuturesCommodityName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityName

schema location: C:\AgXML\Schemas\dtFuturesExchangeCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesExchangeCode

schema location: C:\AgXML\Schemas\dtGoverningTradeRules.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GoverningTradeRules

schema location: C:\AgXML\Schemas\dtGradesToGovern.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GradesToGovern

schema location: C:\AgXML\Schemas\dtIdentifierSource.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
IdentifierSource

schema location: C:\AgXML\Schemas\dtInspectionClassCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionClassCode

schema location: C:\AgXML\Schemas\dtInspectionLevelType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionLevelType

schema location: C:\AgXML\Schemas\dtInspectionProviderType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionProviderType

schema location: C:\AgXML\Schemas\dtLocationType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
LocationType

schema location: C:\AgXML\Schemas\dtMonthsOfYear.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
MonthsOfYear

schema location: C:\AgXML\Schemas\dtPaymentTermType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PaymentTermType

schema location: **C:\AgXML\Schemas\dtPermitIdentifierType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PermitIdentifierType

schema location: **C:\AgXML\Schemas\dtPremiumAndDiscountLimitCondition.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountLimitCondition

schema location: **C:\AgXML\Schemas\dtPremiumAndDiscountMeasurementType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountMeasurementType

schema location: **C:\AgXML\Schemas\dtPremiumAndDiscountQuantityType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountQuantityType

schema location: **C:\AgXML\Schemas\dtPricingCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingCode

schema location: **C:\AgXML\Schemas\dtPricingMethod.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingMethod

schema location: C:\AgXML\Schemas\dtPriceType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PriceType

schema location: C:\AgXML\Schemas\dtQualityCertificateStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityCertificateStatus

schema location: C:\AgXML\Schemas\dtQualityFactorCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorCode

schema location: C:\AgXML\Schemas\dtQualityFactorName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorName

schema location: C:\AgXML\Schemas\dtQualityFactorUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorUnitOfMeasure

schema location: C:\AgXML\Schemas\dtQualityGrouping.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityGrouping

schema location: C:\AgXML\Schemas\dtQuantityDeterminationMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QuantityDeterminationMethod

schema location: C:\AgXML\Schemas\dtRemarkType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RemarkType

schema location: C:\AgXML\Schemas\dtRouteCarrierSequence.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteCarrierSequence

schema location: C:\AgXML\Schemas\dtRouteType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteType

schema location: C:\AgXML\Schemas\dtSampleMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleMethod

schema location: C:\AgXML\Schemas\dtSampleOfficialCategory.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleOfficialCategory

schema location: C:\AgXML\Schemas\dtScheduleEvent.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ScheduleEvent

schema location: C:\AgXML\Schemas\dtServiceEvent.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceEvent

schema location: C:\AgXML\Schemas\dtServiceOfficialCategory.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceOfficialCategory

schema location: C:\AgXML\Schemas\dtSpecialHandlingService.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialHandlingService

schema location: C:\AgXML\Schemas\dtSpecialTermName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialTermName

schema location: C:\AgXML\Schemas\dtStandardTransportationCommodityCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
StandardTransportationCommodityCode

schema location: C:\AgXML\Schemas\dtTimeUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TimeUnitOfMeasure

schema location: C:\AgXML\Schemas\dtTolerancePricingTerm.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TolerancePricingTerm

schema location: C:\AgXML\Schemas\dtTransportationMode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationMode

schema location: C:\AgXML\Schemas\dtTransportationProvider.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationProvider

schema location: C:\AgXML\Schemas\dtTransportationUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationUnitOfMeasure

schema location: C:\AgXML\Schemas\dtTruckDriverStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TruckDriverStatus

schema location: C:\AgXML\Schemas\dtCommodityMovementStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementStatus

schema location: C:\AgXML\Schemas\dtCommodityMovementType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementType

schema location: C:\AgXML\Schemas\dtVehicleIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
VehicleIdentifierType

schema location: C:\AgXML\Schemas\dtWeightClassCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightClassCode

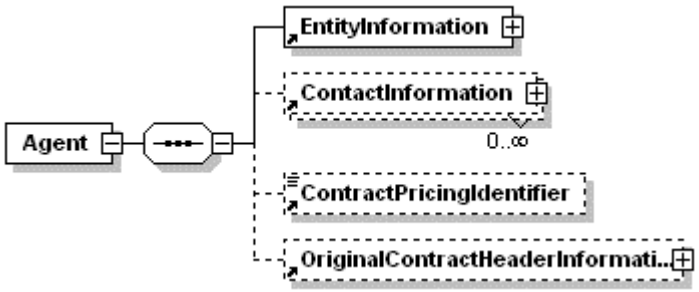
schema location: C:\AgXML\Schemas\dtWeightsToGovern.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightsToGovern

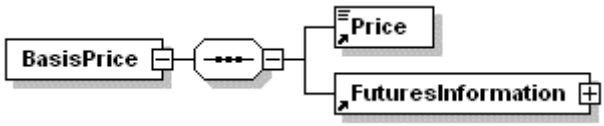
schema location: C:\AgXML\Schemas\dtWeightUnitofMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightUnitOfMeasure

element **Agent**

diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation ContractPricingIdentifier OriginalContractHeaderInformation
used by	element ContractPricingHeader
source	<xsd:element name="Agent"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="ContractPricingIdentifier" minOccurs="0"/> <xsd:element ref="OriginalContractHeaderInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **BasisPrice**

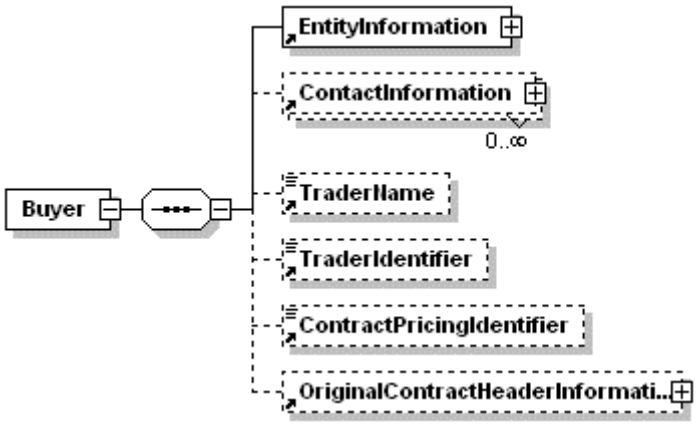
diagram	
namespace	http://www.agxml.org/schemas
children	Price FuturesInformation
used by	elements OriginalPriceInformation PriceInformation
source	<xsd:element name="BasisPrice"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Price"/> <xsd:element ref="FuturesInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **BeginningDate**

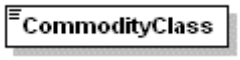
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:date**
used by	element ShipmentOrDeliveryPeriod

source	<xsd:element name="BeginningDate" type="xsd:date"/>

element **Buyer**

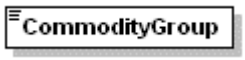
diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation TraderName TraderIdentifier ContractPricingIdentifier OriginalContractHeaderInformation
used by	element ContractPricingHeader
source	<xsd:element name="Buyer"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="TraderName" minOccurs="0"/> <xsd:element ref="TraderIdentifier" minOccurs="0"/> <xsd:element ref="ContractPricingIdentifier" minOccurs="0"/> <xsd:element ref="OriginalContractHeaderInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityClass**

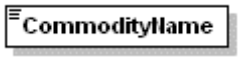
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityClass
used by	element ContractCommodityInformation
facets	enumeration Barley enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat

	enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="CommodityClass" type="CommodityClass"/>

element **CommodityGroup**

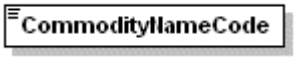
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityGroup
used by	element ContractCommodityInformation
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain enumeration Non-standardized Grain enumeration Oats enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:element name="CommodityGroup" type="CommodityGroup"/>

element **CommodityName**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityName
used by	element ContractCommodityInformation
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye

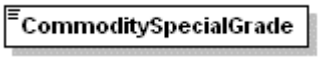
	enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat enumeration White Corn enumeration White Sorghum enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="CommodityName" type="CommodityName"/>

element **CommodityNameCode**

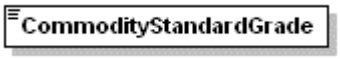
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityNameCode
used by	element ContractCommodityInformation
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K enumeration N enumeration NS enumeration O enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB

	enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:element name="CommodityNameCode" type="CommodityNameCode"/>

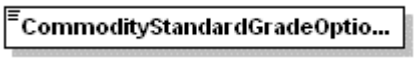
element **CommoditySpecialGrade**

diagram	
namespace	http://www.agxml.org/schemas
type	CommoditySpecialGrade
used by	element ContractCommodityInformation
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy
source	<xsd:element name="CommoditySpecialGrade" type="CommoditySpecialGrade"/>

element **CommodityStandardGrade**

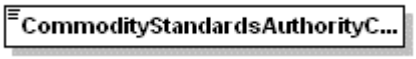
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardGrade
used by	element ContractCommodityInformation
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5 enumeration U.S. Sample
source	<xsd:element name="CommodityStandardGrade" type="CommodityStandardGrade"/>

element **CommodityStandardGradeOptionalDesignation**

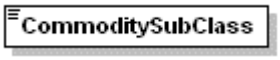
diagram	
namespace	http://www.agxml.org/schemas

type	CommodityStandardGradeOptionalDesignation
used by	element ContractCommodityInformation
facets	enumeration Or Better
source	<xsd:element name="CommodityStandardGradeOptionalDesignation" type="CommodityStandardGradeOptionalDesignation"/>

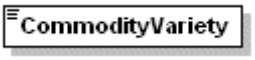
element **CommodityStandardsAuthorityCode**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardsAuthorityCode
used by	element ContractCommodityInformation
facets	enumeration GIPSA enumeration Industry
source	<xsd:element name="CommodityStandardsAuthorityCode" type="CommodityStandardsAuthorityCode"/>

element **CommoditySubClass**

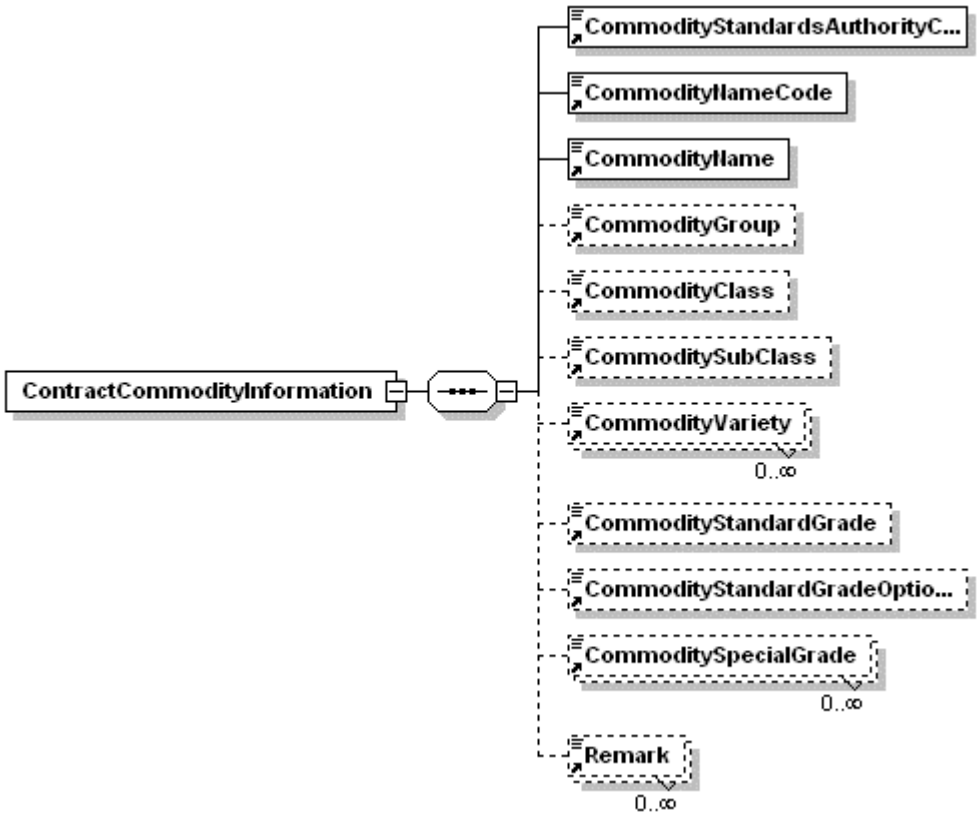
diagram	
namespace	http://www.agxml.org/schemas
type	CommoditySubClass
used by	element ContractCommodityInformation
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley enumeration Soft White Wheat enumeration Two-rowed Barley enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:element name="CommoditySubClass" type="CommoditySubClass"/>

element **CommodityVariety**

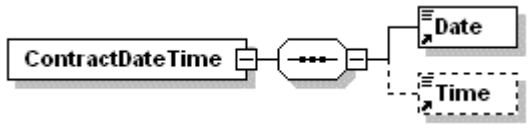
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element ContractCommodityInformation

source	<xsd:element name="CommodityVariety" type="xsd:string"/>

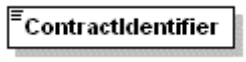
element **ContractCommodityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	CommodityStandardsAuthorityCode CommodityNameCode CommodityName CommodityGroup CommodityClass CommoditySubClass CommodityVariety CommodityStandardGrade CommodityStandardGradeOptionalDesignation CommoditySpecialGrade Remark
used by	element OriginalContractDetailInformation
source	<xsd:element name="ContractCommodityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommodityStandardsAuthorityCode"/> <xsd:element ref="CommodityNameCode"/> <xsd:element ref="CommodityName"/> <xsd:element ref="CommodityGroup" minOccurs="0"/> <xsd:element ref="CommodityClass" minOccurs="0"/> <xsd:element ref="CommoditySubClass" minOccurs="0"/> <xsd:element ref="CommodityVariety" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="CommodityStandardGrade" minOccurs="0"/> <xsd:element ref="CommodityStandardGradeOptionalDesignation" minOccurs="0"/> <xsd:element ref="CommoditySpecialGrade" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

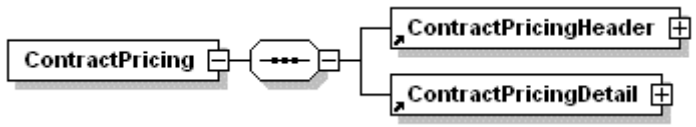
element **ContractDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	**Date** **Time**
used by	element **OriginalContractHeaderInformation**
source	<xsd:element name="ContractDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

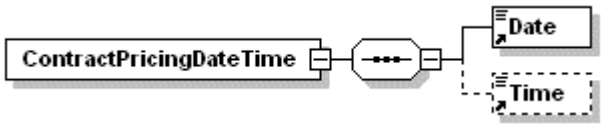
element **ContractIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **OriginalContractHeaderInformation**
source	<xsd:element name="ContractIdentifier" type="xsd:string"/>

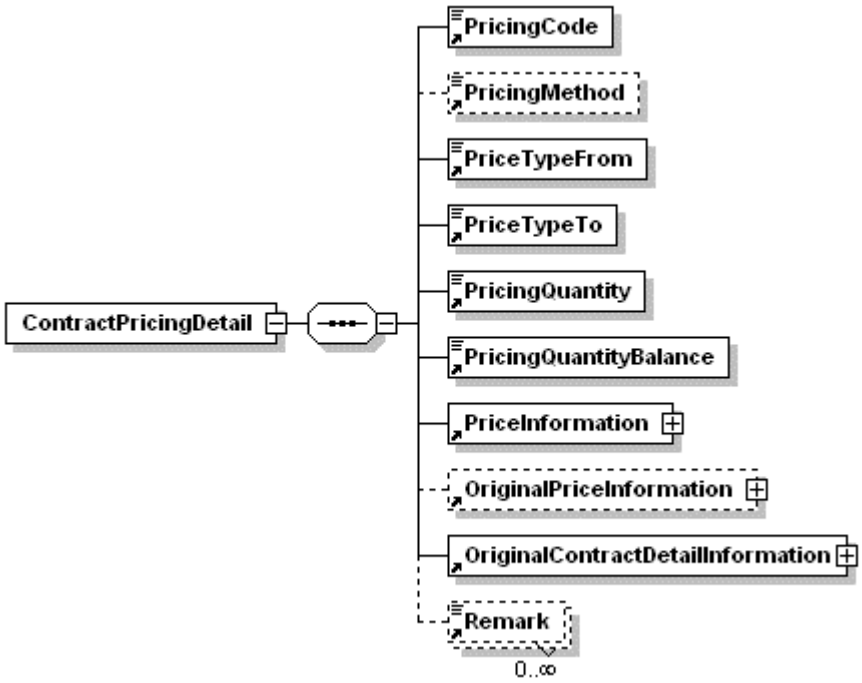
element **ContractPricing**

diagram	
namespace	http://www.agxml.org/schemas
children	**ContractPricingHeader** **ContractPricingDetail**
source	<xsd:element name="ContractPricing"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ContractPricingHeader"/> <xsd:element ref="ContractPricingDetail"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ContractPricingDateTime**

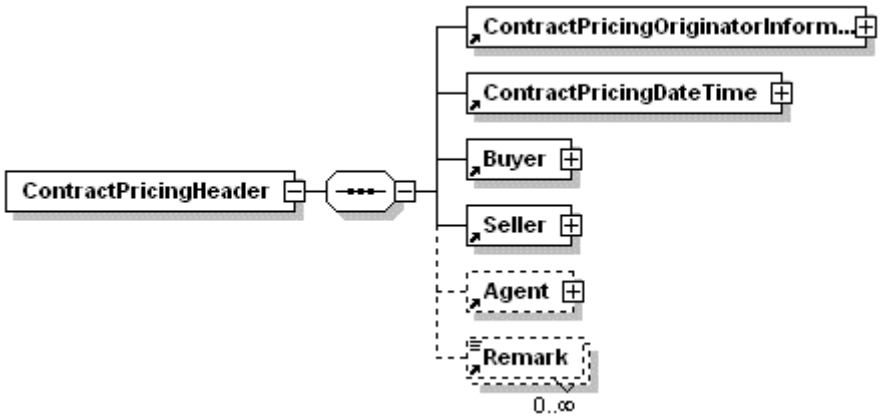
diagram	
namespace	http://www.agxml.org/schemas
children	Date Time
used by	element ContractPricingHeader
source	<xsd:element name="ContractPricingDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ContractPricingDetail**

diagram	
namespace	http://www.agxml.org/schemas
children	PricingCode PricingMethod PriceTypeFrom PriceTypeTo PricingQuantity PricingQuantityBalance PriceInformation OriginalPriceInformation OriginalContractDetailInformation Remark
used by	element ContractPricing
source	<xsd:element name="ContractPricingDetail"> <xsd:complexType> <xsd:sequence> <xsd:element ref="PricingCode"/>

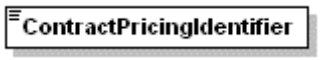
```
    <xsd:element ref="PricingMethod" minOccurs="0"/>
    <xsd:element ref="PriceTypeFrom"/>
    <xsd:element ref="PriceTypeTo"/>
    <xsd:element ref="PricingQuantity"/>
    <xsd:element ref="PricingQuantityBalance"/>
    <xsd:element ref="PriceInformation"/>
    <xsd:element ref="OriginalPriceInformation" minOccurs="0"/>
    <xsd:element ref="OriginalContractDetailInformation"/>
    <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

element **ContractPricingHeader**

diagram	
namespace	http://www.agxml.org/schemas
children	ContractPricingOriginatorInformation ContractPricingDateTime Buyer Seller Agent Remark
used by	element ContractPricing

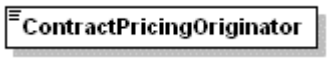
```
<xsd:element name="ContractPricingHeader">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="ContractPricingOriginatorInformation"/>
   <xsd:element ref="ContractPricingDateTime"/>
   <xsd:element ref="Buyer"/>
   <xsd:element ref="Seller"/>
   <xsd:element ref="Agent" minOccurs="0"/>
   <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>
```

element **ContractPricingIdentifier**

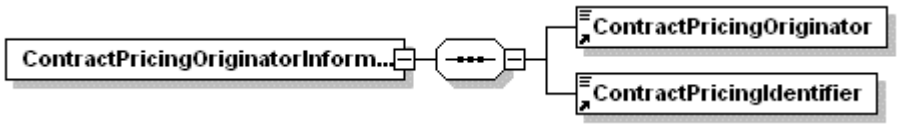
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements Agent Buyer ContractPricingOriginatorInformation Seller

```
<xsd:element name="ContractPricingIdentifier" type="xsd:string"/>
```

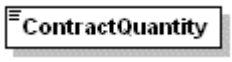
element **ContractPricingOriginator**

diagram	
namespace	http://www.agxml.org/schemas
type	**ContractOriginator**
used by	element **ContractPricingOriginatorInformation**
facets	enumeration Buyer enumeration Seller enumeration Agent
source	<xsd:element name="ContractPricingOriginator" type="ContractOriginator"/>

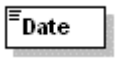
element **ContractPricingOriginatorInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**ContractPricingOriginator** **ContractPricingIdentifier**
used by	element **ContractPricingHeader**
source	<xsd:element name="ContractPricingOriginatorInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ContractPricingOriginator"/> <xsd:element ref="ContractPricingIdentifier"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ContractQuantity**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **OriginalContractDetailInformation**
attributes	Name: commodityUnitOfMeasure; Type: CommodityUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="ContractQuantity"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **Date**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:date**
used by	elements **ContractDateTime** **ContractPricingDateTime**
source	<xsd:element name="Date" type="xsd:date"/>

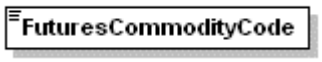
element **EndingDate**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:date**
used by	element **ShipmentOrDeliveryPeriod**
source	<xsd:element name="EndingDate" type="xsd:date"/>

element **FlatPrice**

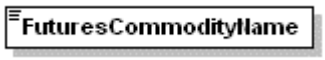
diagram	
namespace	http://www.agxml.org/schemas
children	**Price**
used by	elements **OriginalPriceInformation** **PriceInformation**
source	<xsd:element name="FlatPrice"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Price"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **FuturesCommodityCode**

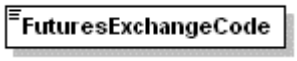
diagram	
namespace	http://www.agxml.org/schemas
type	**FuturesCommodityCode**
used by	element **FuturesInformation**
facets	enumeration C enumeration DW enumeration KW enumeration MW enumeration NW

	enumeration O enumeration S enumeration SM enumeration W enumeration XC enumeration XE enumeration XO enumeration XS enumeration XW
source	<xsd:element name="FuturesCommodityCode" type="FuturesCommodityCode"/>

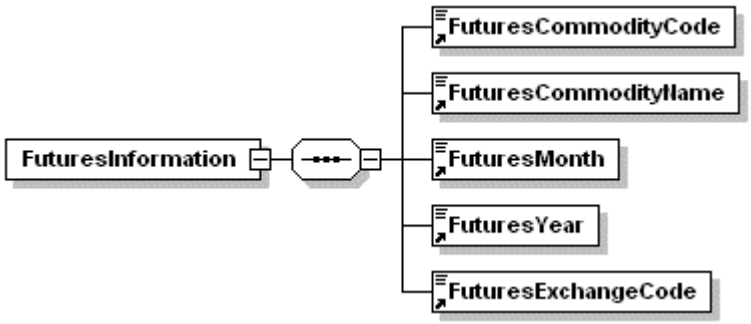
element **FuturesCommodityName**

diagram	
namespace	http://www.agxml.org/schemas
type	**FuturesCommodityName**
used by	element **FuturesInformation**
facets	enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Oats enumeration Soft Red Winter Wheat enumeration Soybean Meal enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="FuturesCommodityName" type="FuturesCommodityName"/>

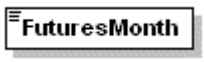
element **FuturesExchangeCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**FuturesExchangeCode**
used by	element **FuturesInformation**
facets	enumeration CBOT enumeration KCBOT enumeration MGE enumeration MIDAM
source	<xsd:element name="FuturesExchangeCode" type="FuturesExchangeCode"/>

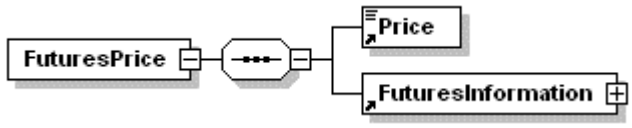
element **FuturesInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	FuturesCommodityCode FuturesCommodityName FuturesMonth FuturesYear FuturesExchangeCode
used by	elements BasisPrice FuturesPrice
source	<xsd:element name="FuturesInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FuturesCommodityCode"/> <xsd:element ref="FuturesCommodityName"/> <xsd:element ref="FuturesMonth"/> <xsd:element ref="FuturesYear"/> <xsd:element ref="FuturesExchangeCode"/> </xsd:sequence> </xsd:complexType> </xsd:element>

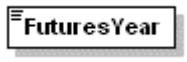
element **FuturesMonth**

diagram	
namespace	http://www.agxml.org/schemas
type	MonthsOfYear
used by	element FuturesInformation
facets	enumeration January enumeration February enumeration March enumeration April enumeration May enumeration June enumeration July enumeration August enumeration September enumeration October enumeration November enumeration December
source	<xsd:element name="FuturesMonth" type="MonthsOfYear"/>

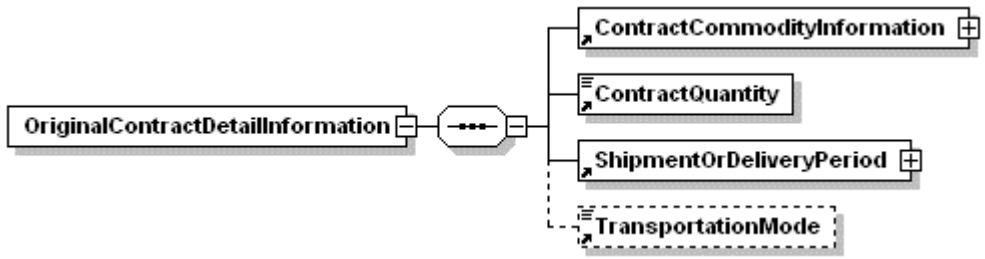
element **FuturesPrice**

diagram	
namespace	http://www.agxml.org/schemas
children	Price FuturesInformation
used by	elements OriginalPriceInformation PriceInformation
source	<xsd:element name="FuturesPrice"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Price"/> <xsd:element ref="FuturesInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **FuturesYear**

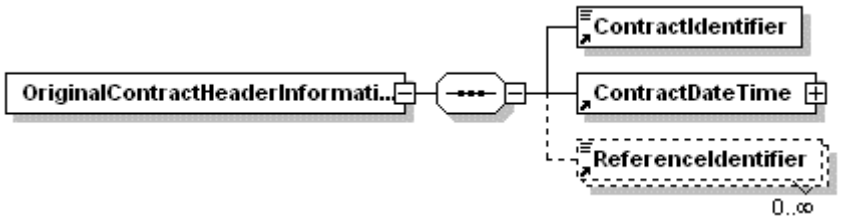
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element FuturesInformation
source	<xsd:element name="FuturesYear" type="xsd:string"/>

element **OriginalContractDetailInformation**

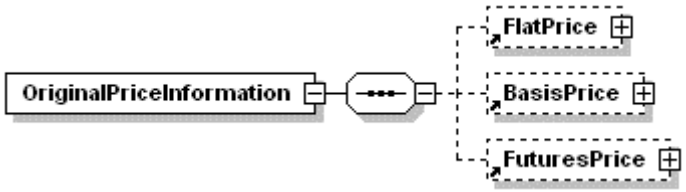
diagram	
namespace	http://www.agxml.org/schemas
children	ContractCommodityInformation ContractQuantity ShipmentOrDeliveryPeriod TransportationMode
used by	element ContractPricingDetail
source	<xsd:element name="OriginalContractDetailInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ContractCommodityInformation"/> <xsd:element ref="ContractQuantity"/> <xsd:element ref="ShipmentOrDeliveryPeriod"/> <xsd:element ref="TransportationMode" minOccurs="0"/> </xsd:sequence>

```
  </xsd:complexType>
</xsd:element>
```

element **OriginalContractHeaderInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	ContractIdentifier ContractDateTime ReferenceIdentifier
used by	elements Agent Buyer Seller
source	<xsd:element name="OriginalContractHeaderInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ContractIdentifier"/> <xsd:element ref="ContractDateTime"/> <xsd:element ref="ReferenceIdentifier" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **OriginalPriceInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	FlatPrice BasisPrice FuturesPrice
used by	element ContractPricingDetail
source	<xsd:element name="OriginalPriceInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FlatPrice" minOccurs="0"/> <xsd:element ref="BasisPrice" minOccurs="0"/> <xsd:element ref="FuturesPrice" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **Price**

diagram	

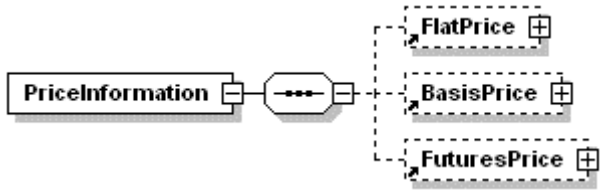
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	elements **BasisPrice** **FlatPrice** **FuturesPrice**

attributes	Name	Type	Use	Default	Fixed
	currencyCode	CurrencyCode	required		
	commodityUnitOfMeasure	CommodityUnitOfMeasure	required		

source

```
<xsd:element name="Price">
 <xsd:complexType>
  <xsd:simpleContent>
   <xsd:extension base="xsd:decimal">
    <xsd:attribute name="currencyCode" type="CurrencyCode" use="required"/>
    <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="required"/>
   </xsd:extension>
  </xsd:simpleContent>
 </xsd:complexType>
</xsd:element>
```

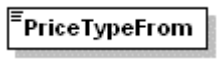
element **PriceInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**FlatPrice** **BasisPrice** **FuturesPrice**
used by	element **ContractPricingDetail**

source

```
<xsd:element name="PriceInformation">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="FlatPrice" minOccurs="0"/>
   <xsd:element ref="BasisPrice" minOccurs="0"/>
   <xsd:element ref="FuturesPrice" minOccurs="0"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>
```

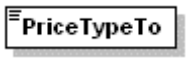
element **PriceTypeFrom**

diagram	
namespace	http://www.agxml.org/schemas
type	**PriceType**
used by	element **ContractPricingDetail**
facets	enumeration Basis enumeration Delayed Price enumeration Flat enumeration Futures

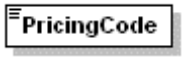
source

```
<xsd:element name="PriceTypeFrom" type="PriceType"/>
```

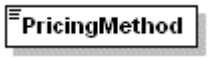
element **PriceTypeTo**

diagram	
namespace	http://www.agxml.org/schemas
type	**PriceType**
used by	element **ContractPricingDetail**
facets	enumeration Basis enumeration Delayed Price enumeration Flat enumeration Futures
source	<xsd:element name="PriceTypeTo" type="PriceType"/>

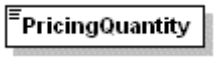
element **PricingCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**PricingCode**
used by	element **ContractPricingDetail**
facets	enumeration Pricing enumeration Pricing Reversal
source	<xsd:element name="PricingCode" type="PricingCode"/>

element **PricingMethod**

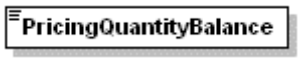
diagram	
namespace	http://www.agxml.org/schemas
type	**PricingMethod**
used by	element **ContractPricingDetail**
facets	enumeration Exchange enumeration Order enumeration Spot
source	<xsd:element name="PricingMethod" type="PricingMethod"/>

element **PricingQuantity**

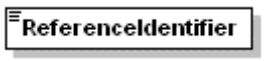
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **ContractPricingDetail**
attributes	Name: commodityUnitOfMea; Type: CommodityUnitOfMe; Use: required; Default: ; Fixed:

	sure asure
source	<xsd:element name="PricingQuantity"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **PricingQuantityBalance**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **ContractPricingDetail**
attributes	Name: commodityUnitOfMeasure; Type: CommodityUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="PricingQuantityBalance"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **ReferenceIdentifier**

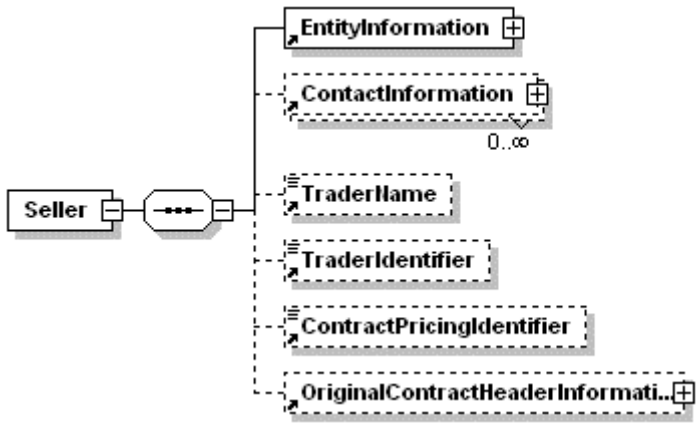
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **OriginalContractHeaderInformation**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="ReferenceIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **Remark**

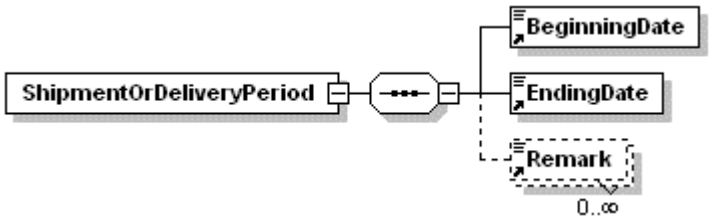
diagram	

namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	elements **ContractCommodityInformation** **ContractPricingDetail** **ContractPricingHeader** **ShipmentOrDeliveryPeriod**
attributes	Name: remarkType; Type: RemarkType; Use: optional; Default: ; Fixed:
source	<xsd:element name="Remark"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="remarkType" type="RemarkType" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

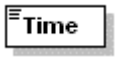
element **Seller**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation** **ContactInformation** **TraderName** **TraderIdentifier** **ContractPricingIdentifier** **OriginalContractHeaderInformation**
used by	element **ContractPricingHeader**
source	<xsd:element name="Seller"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="TraderName" minOccurs="0"/> <xsd:element ref="TraderIdentifier" minOccurs="0"/> <xsd:element ref="ContractPricingIdentifier" minOccurs="0"/> <xsd:element ref="OriginalContractHeaderInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ShipmentOrDeliveryPeriod**

diagram	
namespace	http://www.agxml.org/schemas
children	**BeginningDate** **EndingDate** **Remark**
used by	element **OriginalContractDetailInformation**
source	<xsd:element name="ShipmentOrDeliveryPeriod"> <xsd:complexType> <xsd:sequence> <xsd:element ref="BeginningDate"/> <xsd:element ref="EndingDate"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **Time**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:time**
used by	elements **ContractDateTime** **ContractPricingDateTime**
source	<xsd:element name="Time" type="xsd:time"/>

element **TraderIdentifier**

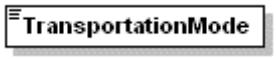
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **Buyer** **Seller**
source	<xsd:element name="TraderIdentifier" type="xsd:string"/>

element **TraderName**

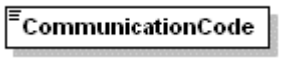
diagram	
namespace	http://www.agxml.org/schemas

type	**xsd:string**
used by	elements **Buyer** **Seller**
source	<xsd:element name="TraderName" type="xsd:string"/>

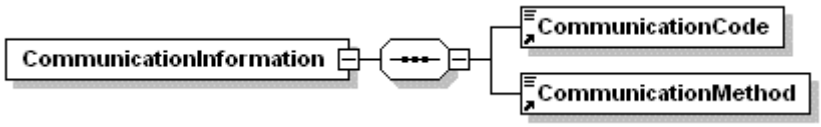
element **TransportationMode**

diagram	
namespace	http://www.agxml.org/schemas
type	**TransportationMode**
used by	element **OriginalContractDetailInformation**
facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck enumeration Vessel
source	<xsd:element name="TransportationMode" type="TransportationMode"/>

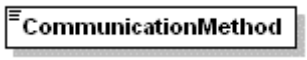
element **CommunicationCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **CommunicationInformation**
source	<xsd:element name="CommunicationCode" type="xsd:string"/>

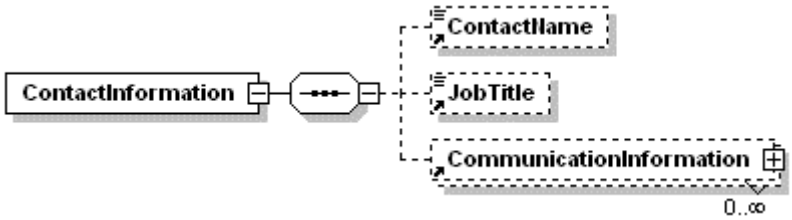
element **CommunicationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**CommunicationCode** **CommunicationMethod**
used by	element **ContactInformation**
source	<xsd:element name="CommunicationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommunicationCode"/> <xsd:element ref="CommunicationMethod"/> </xsd:sequence> </xsd:complexType> </xsd:element>

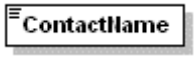
element **CommunicationMethod**

diagram	
namespace	http://www.agxml.org/schemas
type	**CommunicationMethod**
used by	element **CommunicationInformation**
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL
source	<xsd:element name="CommunicationMethod" type="CommunicationMethod"/>

element **ContactInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**ContactName** **JobTitle** **CommunicationInformation**
used by	elements **Agent** **Buyer** **Seller**
source	<xsd:element name="ContactInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ContactName" minOccurs="0"/> <xsd:element ref="JobTitle" minOccurs="0"/> <xsd:element ref="CommunicationInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

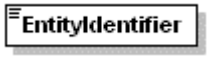
element **ContactName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ContactInformation**
source	<xsd:element name="ContactName" type="xsd:string"/>

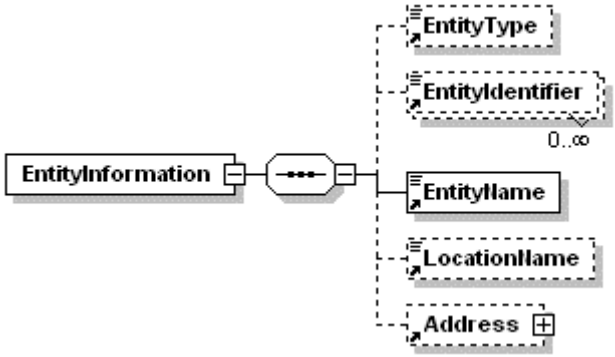
element **JobTitle**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ContactInformation**
source	<xsd:element name="JobTitle" type="xsd:string"/>

element **EntityIdentifier**

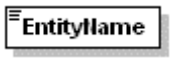
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **EntityInformation**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="EntityIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **EntityInformation**

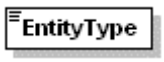
diagram	
namespace	http://www.agxml.org/schemas
children	**EntityType** **EntityIdentifier** **EntityName** **LocationName** **Address**
used by	elements **Agent** **Buyer** **Seller**
source	<xsd:element name="EntityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityType" minOccurs="0"/>

```
    <xsd:element ref="EntityIdentifier" minOccurs="0" maxOccurs="unbounded"/>
    <xsd:element ref="EntityName"/>
    <xsd:element ref="LocationName" minOccurs="0"/>
    <xsd:element ref="Address" minOccurs="0"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

element **EntityName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **EntityInformation**
source	<xsd:element name="EntityName" type="xsd:string"/>

element **EntityType**

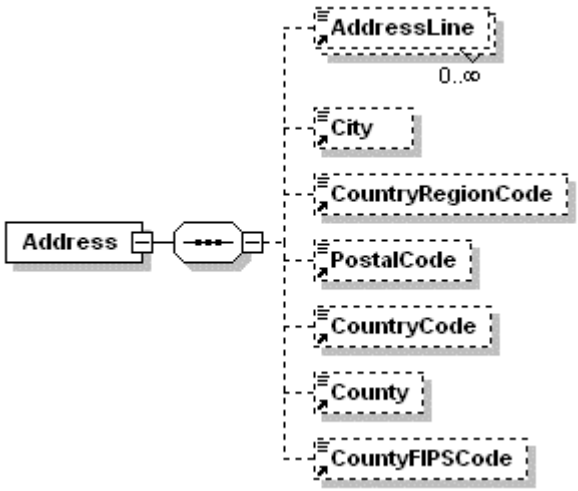
diagram	
namespace	http://www.agxml.org/schemas
type	**EntityType**
used by	element **EntityInformation**
facets	enumeration Organization enumeration Person
source	<xsd:element name="EntityType" type="EntityType"/>

simpleType **CommunicationMethod**

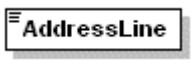
namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommunicationMethod**
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL
source	<xsd:simpleType name="CommunicationMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Cell Phone"/> <xsd:enumeration value="Desk Phone"/> <xsd:enumeration value="Email"/> <xsd:enumeration value="Fax"/> <xsd:enumeration value="FTP Site"/> <xsd:enumeration value="Pager"/> <xsd:enumeration value="Telex"/> <xsd:enumeration value="URL"/> </xsd:restriction>

	</xsd:simpleType>

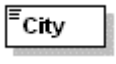
element **Address**

diagram	
namespace	http://www.agxml.org/schemas
children	AddressLine City CountryRegionCode PostalCode CountryCode County CountyFIPSCode
used by	elements EntityInformation LocationInformation
source	<xsd:element name="Address"> <xsd:complexType> <xsd:sequence> <xsd:element ref="AddressLine" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="City" minOccurs="0"/> <xsd:element ref="CountryRegionCode" minOccurs="0"/> <xsd:element ref="PostalCode" minOccurs="0"/> <xsd:element ref="CountryCode" minOccurs="0"/> <xsd:element ref="County" minOccurs="0"/> <xsd:element ref="CountyFIPSCode" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **AddressLine**

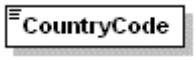
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element Address
source	<xsd:element name="AddressLine" type="xsd:string"/>

element **City**

diagram	

namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="City" type="xsd:string"/>

element **CountryCode**

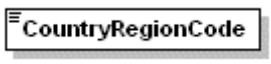
diagram	
namespace	http://www.agxml.org/schemas
type	**CountryCode**
used by	element **Address**
facets	enumeration AF enumeration AL enumeration DZ enumeration AS enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG enumeration BF enumeration BI enumeration KH enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN enumeration CX enumeration CC enumeration CO enumeration KM

	enumeration CG enumeration CD enumeration CK enumeration CR enumeration CI enumeration HR enumeration CU enumeration CY enumeration CZ enumeration DK enumeration DJ enumeration DM enumeration DO enumeration TP enumeration EC enumeration EG enumeration SV enumeration GQ enumeration ER enumeration EE enumeration ET enumeration FK enumeration FO enumeration FJ enumeration FI enumeration FR enumeration GF enumeration PF enumeration TF enumeration GA enumeration GM enumeration GE enumeration DE enumeration GH enumeration GI enumeration GR enumeration GL enumeration GD enumeration GP enumeration GU enumeration GT enumeration GN enumeration GW enumeration GY enumeration HT enumeration HM enumeration VA enumeration HN enumeration HK enumeration HU enumeration IS enumeration IN enumeration ID enumeration IR enumeration IQ enumeration IE enumeration IL enumeration IT enumeration JM enumeration JP enumeration JO enumeration KZ enumeration KE enumeration KI enumeration KP enumeration KR enumeration KW enumeration KG

	enumeration	LA
	enumeration	LV
	enumeration	LB
	enumeration	LS
	enumeration	LR
	enumeration	LY
	enumeration	LI
	enumeration	LT
	enumeration	LU
	enumeration	MO
	enumeration	MK
	enumeration	MG
	enumeration	MW
	enumeration	MY
	enumeration	MV
	enumeration	ML
	enumeration	MT
	enumeration	MH
	enumeration	MQ
	enumeration	MR
	enumeration	MU
	enumeration	YT
	enumeration	MX
	enumeration	FM
	enumeration	MD
	enumeration	MC
	enumeration	MN
	enumeration	MS
	enumeration	MA
	enumeration	MZ
	enumeration	MM
	enumeration	NA
	enumeration	NR
	enumeration	NP
	enumeration	NL
	enumeration	AN
	enumeration	NC
	enumeration	NZ
	enumeration	NI
	enumeration	NE
	enumeration	NG
	enumeration	NU
	enumeration	NF
	enumeration	MP
	enumeration	NO
	enumeration	OM
	enumeration	K
	enumeration	PW
	enumeration	PS
	enumeration	PA
	enumeration	PG
	enumeration	PY
	enumeration	PE
	enumeration	PH
	enumeration	PN
	enumeration	PL
	enumeration	PT
	enumeration	PR
	enumeration	QA
	enumeration	RE
	enumeration	RO
	enumeration	RU
	enumeration	RW
	enumeration	SH
	enumeration	KN
	enumeration	LC
	enumeration	PM
	enumeration	VC

	enumeration WS enumeration SM enumeration ST enumeration SA enumeration SN enumeration SC enumeration SL enumeration SG enumeration SK enumeration SI enumeration SB enumeration SO enumeration ZA enumeration GS enumeration ES enumeration LK enumeration SD enumeration SR enumeration SJ enumeration SZ enumeration SE enumeration CH enumeration SY enumeration TW enumeration TJ enumeration TZ enumeration TH enumeration TG enumeration TK enumeration TO enumeration TT enumeration TN enumeration TR enumeration TM enumeration TC enumeration TV enumeration UG enumeration UA enumeration AE enumeration GB enumeration US enumeration UM enumeration UY enumeration UZ enumeration VU enumeration VE enumeration VN enumeration VG enumeration VI enumeration WF enumeration EH enumeration YE enumeration YU enumeration ZM enumeration ZW
source	<xsd:element name="CountryCode" type="CountryCode"/>

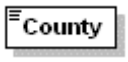
element **CountryRegionCode**

diagram	
namespace	http://www.agxml.org/schemas
type	CountryRegionCode

used by	element **Address**
facets	enumeration AL enumeration BCN enumeration BCS enumeration CAN enumeration CHIS enumeration CHIH enumeration COAH enumeration COL enumeration DF enumeration DGO' enumeration GTO enumeration GRO enumeration HGO enumeration JAL enumeration MEX enumeration MICH enumeration MOR enumeration NAY enumeration NLO enumeration OAX enumeration PUE enumeration QRO enumeration QROO enumeration SLP enumeration SIN enumeration SON enumeration TAB enumeration TAMPS enumeration TLAX enumeration VER enumeration YUC enumeration ZAC enumeration AB enumeration BC enumeration MB enumeration NB enumeration NF enumeration NT enumeration NS enumeration NU enumeration ON enumeration PE enumeration QC enumeration SK enumeration YT enumeration AK enumeration AZ enumeration AR enumeration CA enumeration CO enumeration CT enumeration DE enumeration DC enumeration FL enumeration GA enumeration HI enumeration ID enumeration IL enumeration IN enumeration IA enumeration KS enumeration KY enumeration LA enumeration ME enumeration MD enumeration MA

	enumeration MI enumeration MN enumeration MS enumeration MO enumeration MT enumeration NE enumeration NV enumeration NH enumeration NJ enumeration NM enumeration NY enumeration NC enumeration ND enumeration OH enumeration OK enumeration OR enumeration PA enumeration PR enumeration RI enumeration SC enumeration SD enumeration TN enumeration TX enumeration UT enumeration VT enumeration VA enumeration WA enumeration WV enumeration WI enumeration WY enumeration AGS
source	<xsd:element name="CountryRegionCode" type="CountryRegionCode"/>

element **County**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="County" type="xsd:string"/>

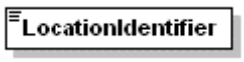
element **CountyFIPSCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="CountyFIPSCode" type="xsd:string"/>

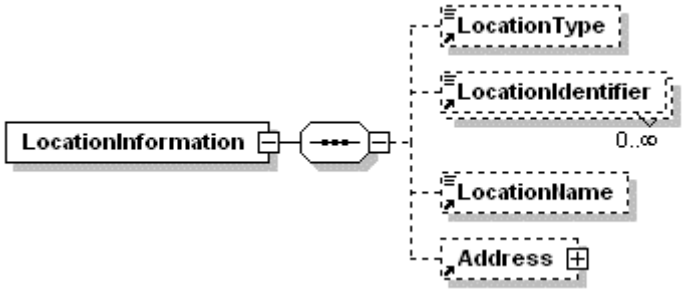
element **PostalCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="PostalCode" type="xsd:string"/>

element **LocationIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **LocationInformation**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="LocationIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **LocationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**LocationType** **LocationIdentifier** **LocationName** **Address**
source	<xsd:element name="LocationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationType" minOccurs="0"/> <xsd:element ref="LocationIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="LocationName" minOccurs="0"/> <xsd:element ref="Address" minOccurs="0"/> </xsd:sequence>

```
  </xsd:complexType>
</xsd:element>
```

element **LocationName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **EntityInformation** **LocationInformation**
source	<xsd:element name="LocationName" type="xsd:string"/>

element **LocationType**

diagram	
namespace	http://www.agxml.org/schemas
type	**LocationType**
used by	element **LocationInformation**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location
source	<xsd:element name="LocationType" type="LocationType"/>

simpleType **EntityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **EntityType**
facets	enumeration Organization enumeration Person
source	<xsd:simpleType name="EntityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Organization"/> <xsd:enumeration value="Person"/> </xsd:restriction> </xsd:simpleType>

simpleType **ApplicationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Deferred Price enumeration Grain Bank enumeration Hold Payment enumeration Open Contract enumeration Specific Contract enumeration Spot End of Day enumeration Spot Immediate enumeration Storage

	enumeration Storage enumeration Warehouse Receipt enumeration Unapplied/Hold
source	<xsd:simpleType name="ApplicationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Deferred Price"/> <xsd:enumeration value="Grain Bank"/> <xsd:enumeration value="Hold Payment"/> <xsd:enumeration value="Open Contract"/> <xsd:enumeration value="Specific Contract"/> <xsd:enumeration value="Spot End of Day"/> <xsd:enumeration value="Spot Immediate"/> <xsd:enumeration value="Storage"/> <xsd:enumeration value="Warehouse Receipt"/> <xsd:enumeration value="Unapplied/Hold"/> </xsd:restriction> </xsd:simpleType>

simpleType **BasisLocationMarket**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Atlantic Port enumeration Cedar River Railroad enumeration Central Kansas enumeration Chicago for Beyond enumeration Chicago including Burns Harbor enumeration Columbus for Beyond enumeration Columbia River District including Portland enumeration Columbia River District including Portland sellers option Pudget Sound District enumeration Commodity Credit Corporation enumeration Duluth/Superior enumeration East Texas Plains enumeration Evansville for Beyond enumeration Great Lakes enumeration Hanford/Tulare/Visalia enumeration Houston/Galveston/Beaumont enumeration Illinois Central Gulf enumeration Illinois River North enumeration Iowa & Minnesota Rail Link enumeration Kansas City enumeration Kansas City for Beyond enumeration Lower Mississippi River enumeration Lower Ohio River enumeration Mid-Bridge Brownsville enumeration Mid-Bridge Eagle Pass enumeration Mid-Bridge Laredo enumeration Mid-Bridge Nogales enumeration Mid-Bridge Presideo enumeration Mid-Mississippi River enumeration Minneapolis/Duluth enumeration Mississippi River enumeration Mississippi River Excluding Baton Rouge enumeration Modesto/Oakdale/Turlock enumeration North Kansas enumeration North Texas Plains enumeration Northeast Colorado enumeration Ohio River enumeration Pacific Northwest enumeration Pudget Sound District enumeration South Kansas enumeration South Texas Plains enumeration Southcentral Kansas enumeration Southeast Colorado enumeration Southeast Processors enumeration Southwest Kansas

	enumeration Southwest Kansas enumeration Stockton/San Joaquin Valley enumeration Tennessee River enumeration Texas Gulf enumeration Texas Gulf Excluding Brownsville enumeration Toledo/Maumee enumeration Track Nebraska enumeration Upper Mississippi River enumeration Upper Ohio River enumeration Union Pacific Group 3 enumeration Union Pacific Group 6 enumeration Union Pacific Group 9 enumeration United States Center Gulf enumeration United States Gulf enumeration United States Louisiana Gulf enumeration Washington Courthouse enumeration Western Kansas
source	<xsd:simpleType name="BasisLocationMarket"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Atlantic Port"/> <xsd:enumeration value="Cedar River Railroad"/> <xsd:enumeration value="Central Kansas"/> <xsd:enumeration value="Chicago for Beyond"/> <xsd:enumeration value="Chicago including Burns Harbor"/> <xsd:enumeration value="Columbus for Beyond"/> <xsd:enumeration value="Columbia River District including Portland"/> <xsd:enumeration value="Columbia River District including Portland sellers option Pudget Sound District"/> <xsd:enumeration value="Commodity Credit Corporation"/> <xsd:enumeration value="Duluth/Superior"/> <xsd:enumeration value="East Texas Plains"/> <xsd:enumeration value="Evansville for Beyond"/> <xsd:enumeration value="Great Lakes"/> <xsd:enumeration value="Hanford/Tulare/Visalia"/> <xsd:enumeration value="Houston/Galveston/Beaumont"/> <xsd:enumeration value="Illinois Central Gulf"/> <xsd:enumeration value="Illinois River North"/> <xsd:enumeration value="Iowa & Minnesota Rail Link"/> <xsd:enumeration value="Kansas City"/> <xsd:enumeration value="Kansas City for Beyond"/> <xsd:enumeration value="Lower Mississippi River"/> <xsd:enumeration value="Lower Ohio River"/> <xsd:enumeration value="Mid-Bridge Brownsville"/> <xsd:enumeration value="Mid-Bridge Eagle Pass"/> <xsd:enumeration value="Mid-Bridge Laredo"/> <xsd:enumeration value="Mid-Bridge Nogales"/> <xsd:enumeration value="Mid-Bridge Presideo"/> <xsd:enumeration value="Mid-Mississippi River"/> <xsd:enumeration value="Minneapolis/Duluth"/> <xsd:enumeration value="Mississippi River"/> <xsd:enumeration value="Mississippi River Excluding Baton Rouge"/> <xsd:enumeration value="Modesto/Oakdale/Turlock"/> <xsd:enumeration value="North Kansas"/> <xsd:enumeration value="North Texas Plains"/> <xsd:enumeration value="Northeast Colorado"/> <xsd:enumeration value="Ohio River"/> <xsd:enumeration value="Pacific Northwest"/> <xsd:enumeration value="Pudget Sound District"/> <xsd:enumeration value="South Kansas"/> <xsd:enumeration value="South Texas Plains"/> <xsd:enumeration value="Southcentral Kansas"/> <xsd:enumeration value="Southeast Colorado"/> <xsd:enumeration value="Southeast Processors"/> <xsd:enumeration value="Southwest Kansas"/> <xsd:enumeration value="Stockton/San Joaquin Valley"/> <xsd:enumeration value="Tennessee River"/> <xsd:enumeration value="Texas Gulf"/> <xsd:enumeration value="Texas Gulf Excluding Brownsville"/> <xsd:enumeration value="Toledo/Maumee"/>

```
    <xsd:enumeration value="Track Nebraska"/>
    <xsd:enumeration value="Upper Mississippi River"/>
    <xsd:enumeration value="Upper Ohio River"/>
    <xsd:enumeration value="Union Pacific Group 3"/>
    <xsd:enumeration value="Union Pacific Group 6"/>
    <xsd:enumeration value="Union Pacific Group 9"/>
    <xsd:enumeration value="United States Center Gulf"/>
    <xsd:enumeration value="United States Gulf"/>
    <xsd:enumeration value="United States Louisiana Gulf"/>
    <xsd:enumeration value="Washington Courthouse"/>
    <xsd:enumeration value="Western Kansas"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BillOfLadingIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Agent enumeration Delivery enumeration Shipper enumeration Waybill or Lading

source

```
<xsd:simpleType name="BillOfLadingIdentifierType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Agent"/>
    <xsd:enumeration value="Delivery"/>
    <xsd:enumeration value="Shipper"/>
    <xsd:enumeration value="Waybill or Lading"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BillOfLadingType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Order enumeration Straight

source

```
<xsd:simpleType name="BillOfLadingType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Order"/>
    <xsd:enumeration value="Straight"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BuyerSellerCall**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Seller

source

```
<xsd:simpleType name="BuyerSellerCall">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Buyer"/>
    <xsd:enumeration value="Seller"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CommodityClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityClass**
facets	enumeration Barley enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Malting Barley"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Unclassed Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityGroup**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityGroup**
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain enumeration Non-standardized Grain enumeration Oats

	enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:simpleType name="CommodityGroup"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Corn"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Non-standardized Grain"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Soybeans"/> <xsd:enumeration value="Sunflower Seeds"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityName**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat enumeration White Corn enumeration White Sorghum enumeration White Wheat

	enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Blue Malting Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Six Rowed Barley"/> <xsd:enumeration value="Six Rowed Malting Barley"/> <xsd:enumeration value="Six Rowed Blue Malting Barley"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Sunflower Seed"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Two Rowed Barley"/> <xsd:enumeration value="Two Rowed Malting Barley"/> <xsd:enumeration value="Western White Wheat"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="White Wheat"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityNameCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityNameCode**
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K enumeration N enumeration NS enumeration O

	enumeration O enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:simpleType name="CommodityNameCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="ADU"/> <xsd:enumeration value="BLMB"/> <xsd:enumeration value="BLY"/> <xsd:enumeration value="DNS"/> <xsd:enumeration value="DU"/> <xsd:enumeration value="FLAX"/> <xsd:enumeration value="HADU"/> <xsd:enumeration value="HDWH"/> <xsd:enumeration value="HRS"/> <xsd:enumeration value="HRW"/> <xsd:enumeration value="K"/> <xsd:enumeration value="N"/> <xsd:enumeration value="NS"/> <xsd:enumeration value="O"/> <xsd:enumeration value="RS"/> <xsd:enumeration value="RYE"/> <xsd:enumeration value="S"/> <xsd:enumeration value="SF"/> <xsd:enumeration value="SRB"/> <xsd:enumeration value="SRBM"/> <xsd:enumeration value="SRMB"/> <xsd:enumeration value="SRW"/> <xsd:enumeration value="SWH"/> <xsd:enumeration value="TANS"/> <xsd:enumeration value="TRIT"/> <xsd:enumeration value="TRB"/> <xsd:enumeration value="TRMB"/> <xsd:enumeration value="WHCB"/> <xsd:enumeration value="WHC"/> <xsd:enumeration value="WHS"/> <xsd:enumeration value="WW"/> <xsd:enumeration value="WWH"/> <xsd:enumeration value="XC"/> <xsd:enumeration value="XGR"/> <xsd:enumeration value="XS"/> <xsd:enumeration value="XSB"/> <xsd:enumeration value="XWHT"/> <xsd:enumeration value="YC"/> <xsd:enumeration value="YSB"/> </xsd:restriction>

	</xsd:simpleType>

simpleType **CommoditySpecialGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySpecialGrade**
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy
source	<xsd:simpleType name="CommoditySpecialGrade"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Bleached"/> <xsd:enumeration value="Blighted"/> <xsd:enumeration value="Bright"/> <xsd:enumeration value="Ergoty"/> <xsd:enumeration value="Extra Heavy"/> <xsd:enumeration value="Flint"/> <xsd:enumeration value="Flint & Dent"/> <xsd:enumeration value="Garlicky"/> <xsd:enumeration value="Heavy"/> <xsd:enumeration value="Infested"/> <xsd:enumeration value="Light Garlicky"/> <xsd:enumeration value="Light Smutty"/> <xsd:enumeration value="Plump"/> <xsd:enumeration value="Purple Mottled or Stained"/> <xsd:enumeration value="Smutty"/> <xsd:enumeration value="Thin"/> <xsd:enumeration value="Treated"/> <xsd:enumeration value="Waxy"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGrade**
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5 enumeration U.S. Sample

source	<xsd:simpleType name="CommodityStandardGrade"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="U.S. No 1"/> <xsd:enumeration value="U.S. No 2"/> <xsd:enumeration value="U.S. No 3"/> <xsd:enumeration value="U.S. No 4"/> <xsd:enumeration value="U.S. No 5"/> <xsd:enumeration value="U.S. Sample"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardGradeOptionalDesignation**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGradeOptionalDesignation**
facets	enumeration Or Better
source	<xsd:simpleType name="CommodityStandardGradeOptionalDesignation"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Or Better"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardsAuthorityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardsAuthorityCode**
facets	enumeration GIPSA enumeration Industry
source	<xsd:simpleType name="CommodityStandardsAuthorityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="GIPSA"/> <xsd:enumeration value="Industry"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommoditySubClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySubClass**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley enumeration Soft White Wheat enumeration Two-rowed Barley

	enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:simpleType name="CommoditySubClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Six-rowed Barley"/> <xsd:enumeration value="Six-rowed Blue Malting Barley"/> <xsd:enumeration value="Six-rowed Malting Barley"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Two-rowed Barley"/> <xsd:enumeration value="Two-rowed Malting Barley"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="Western White Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes ContractQuantity/@commodityUnitOfMeasure Price/@commodityUnitOfMeasure PricingQuantity/@commodityUnitOfMeasure PricingQuantityBalance/@commodityUnitOfMeasure
facets	enumeration Barge enumeration Bushel enumeration Car Load enumeration Hundred Weight enumeration Kilogram enumeration Long Ton enumeration Metric Ton enumeration Pound enumeration Shipment enumeration Short Ton enumeration Truck enumeration Vessel
source	<xsd:simpleType name="CommodityUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bushel"/> <xsd:enumeration value="Car Load"/> <xsd:enumeration value="Hundred Weight"/> <xsd:enumeration value="Kilogram"/> <xsd:enumeration value="Long Ton"/> <xsd:enumeration value="Metric Ton"/> <xsd:enumeration value="Pound"/> <xsd:enumeration value="Shipment"/> <xsd:enumeration value="Short Ton"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Vessel"/> </xsd:restriction> </xsd:simpleType>

simpleType **ContractOriginator**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
used by	element **ContractPricingOriginator**
facets	enumeration Buyer enumeration Seller enumeration Agent
source	<xsd:simpleType name="ContractOriginator"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> <xsd:enumeration value="Agent"/> </xsd:restriction> </xsd:simpleType>

simpleType **CountryCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryCode**
facets	enumeration AF enumeration AL enumeration DZ enumeration AS enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG enumeration BF enumeration BI enumeration KH enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN

	enumeration	CX
	enumeration	CC
	enumeration	CO
	enumeration	KM
	enumeration	CG
	enumeration	CD
	enumeration	CK
	enumeration	CR
	enumeration	CI
	enumeration	HR
	enumeration	CU
	enumeration	CY
	enumeration	CZ
	enumeration	DK
	enumeration	DJ
	enumeration	DM
	enumeration	DO
	enumeration	TP
	enumeration	EC
	enumeration	EG
	enumeration	SV
	enumeration	GQ
	enumeration	ER
	enumeration	EE
	enumeration	ET
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	enumeration	PT
	enumeration	PR
	enumeration	QA
	enumeration	RE
	enumeration	RO
	enumeration	RU
	enumeration	RW
	enumeration	SH

	enumeration KN enumeration LC enumeration PM enumeration VC enumeration WS enumeration SM enumeration ST enumeration SA enumeration SN enumeration SC enumeration SL enumeration SG enumeration SK enumeration SI enumeration SB enumeration SO enumeration ZA enumeration GS enumeration ES enumeration LK enumeration SD enumeration SR enumeration SJ enumeration SZ enumeration SE enumeration CH enumeration SY enumeration TW enumeration TJ enumeration TZ enumeration TH enumeration TG enumeration TK enumeration TO enumeration TT enumeration TN enumeration TR enumeration TM enumeration TC enumeration TV enumeration UG enumeration UA enumeration AE enumeration GB enumeration US enumeration UM enumeration UY enumeration UZ enumeration VU enumeration VE enumeration VN enumeration VG enumeration VI enumeration WF enumeration EH enumeration YE enumeration YU enumeration ZM enumeration ZW
source	<xsd:simpleType name="CountryCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="AF"/> <xsd:enumeration value="AL"/> <xsd:enumeration value="DZ"/> <xsd:enumeration value="AS"/> <xsd:enumeration value="AD"/> <xsd:enumeration value="AO"/> <xsd:enumeration value="AI"/>

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<xsd:enumeration value="NC"/>
<xsd:enumeration value="NZ"/>
<xsd:enumeration value="NI"/>
<xsd:enumeration value="NE"/>
<xsd:enumeration value="NG"/>
<xsd:enumeration value="NU"/>
<xsd:enumeration value="NF"/>
<xsd:enumeration value="MP"/>
<xsd:enumeration value="NO"/>
<xsd:enumeration value="OM"/>
<xsd:enumeration value="K"/>
<xsd:enumeration value="PW"/>
<xsd:enumeration value="PS"/>
<xsd:enumeration value="PA"/>
<xsd:enumeration value="PG"/>
<xsd:enumeration value="PY"/>
<xsd:enumeration value="PE"/>
<xsd:enumeration value="PH"/>
<xsd:enumeration value="PN"/>
<xsd:enumeration value="PL"/>
<xsd:enumeration value="PT"/>
<xsd:enumeration value="PR"/>
<xsd:enumeration value="QA"/>
<xsd:enumeration value="RE"/>
<xsd:enumeration value="RO"/>
<xsd:enumeration value="RU"/>
<xsd:enumeration value="RW"/>
<xsd:enumeration value="SH"/>
<xsd:enumeration value="KN"/>
<xsd:enumeration value="LC"/>
<xsd:enumeration value="PM"/>
<xsd:enumeration value="VC"/>
<xsd:enumeration value="WS"/>
<xsd:enumeration value="SM"/>
<xsd:enumeration value="ST"/>
<xsd:enumeration value="SA"/>
<xsd:enumeration value="SN"/>
<xsd:enumeration value="SC"/>
<xsd:enumeration value="SL"/>
<xsd:enumeration value="SG"/>
<xsd:enumeration value="SK"/>
<xsd:enumeration value="SI"/>
<xsd:enumeration value="SB"/>
<xsd:enumeration value="SO"/>
<xsd:enumeration value="ZA"/>
<xsd:enumeration value="GS"/>
<xsd:enumeration value="ES"/>
<xsd:enumeration value="LK"/>
<xsd:enumeration value="SD"/>
<xsd:enumeration value="SR"/>
<xsd:enumeration value="SJ"/>
<xsd:enumeration value="SZ"/>
<xsd:enumeration value="SE"/>
<xsd:enumeration value="CH"/>
<xsd:enumeration value="SY"/>
<xsd:enumeration value="TW"/>
<xsd:enumeration value="TJ"/>
<xsd:enumeration value="TZ"/>
<xsd:enumeration value="TH"/>
```

```
    <xsd:enumeration value="TG"/>
    <xsd:enumeration value="TK"/>
    <xsd:enumeration value="TO"/>
    <xsd:enumeration value="TT"/>
    <xsd:enumeration value="TN"/>
    <xsd:enumeration value="TR"/>
    <xsd:enumeration value="TM"/>
    <xsd:enumeration value="TC"/>
    <xsd:enumeration value="TV"/>
    <xsd:enumeration value="UG"/>
    <xsd:enumeration value="UA"/>
    <xsd:enumeration value="AE"/>
    <xsd:enumeration value="GB"/>
    <xsd:enumeration value="US"/>
    <xsd:enumeration value="UM"/>
    <xsd:enumeration value="UY"/>
    <xsd:enumeration value="UZ"/>
    <xsd:enumeration value="VU"/>
    <xsd:enumeration value="VE"/>
    <xsd:enumeration value="VN"/>
    <xsd:enumeration value="VG"/>
    <xsd:enumeration value="VI"/>
    <xsd:enumeration value="WF"/>
    <xsd:enumeration value="EH"/>
    <xsd:enumeration value="YE"/>
    <xsd:enumeration value="YU"/>
    <xsd:enumeration value="ZM"/>
    <xsd:enumeration value="ZW"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CountryRegionCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryRegionCode**
facets	enumeration AL enumeration BCN enumeration BCS enumeration CAN enumeration CHIS enumeration CHIH enumeration COAH enumeration COL enumeration DF enumeration DGO' enumeration GTO enumeration GRO enumeration HGO enumeration JAL enumeration MEX enumeration MICH enumeration MOR enumeration NAY enumeration NLO enumeration OAX enumeration PUE enumeration QRO enumeration QROO enumeration SLP enumeration SIN enumeration SON enumeration TAB enumeration TAMPS enumeration TLAX

	enumeration	TLAX
	enumeration	VER
	enumeration	YUC
	enumeration	ZAC
	enumeration	AB
	enumeration	BC
	enumeration	MB
	enumeration	NB
	enumeration	NF
	enumeration	NT
	enumeration	NS
	enumeration	NU
	enumeration	ON
	enumeration	PE
	enumeration	QC
	enumeration	SK
	enumeration	YT
	enumeration	AK
	enumeration	AZ
	enumeration	AR
	enumeration	CA
	enumeration	CO
	enumeration	CT
	enumeration	DE
	enumeration	DC
	enumeration	FL
	enumeration	GA
	enumeration	HI
	enumeration	ID
	enumeration	IL
	enumeration	IN
	enumeration	IA
	enumeration	KS
	enumeration	KY
	enumeration	LA
	enumeration	ME
	enumeration	MD
	enumeration	MA
	enumeration	MI
	enumeration	MN
	enumeration	MS
	enumeration	MO
	enumeration	MT
	enumeration	NE
	enumeration	NV
	enumeration	NH
	enumeration	NJ
	enumeration	NM
	enumeration	NY
	enumeration	NC
	enumeration	ND
	enumeration	OH
	enumeration	OK
	enumeration	OR
	enumeration	PA
	enumeration	PR
	enumeration	RI
	enumeration	SC
	enumeration	SD
	enumeration	TN
	enumeration	TX
	enumeration	UT
	enumeration	VT
	enumeration	VA
	enumeration	WA
	enumeration	WV
	enumeration	WI
	enumeration	WY

	enumeration AGS
source	<xsd:simpleType name="CountryRegionCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="AL"/> <xsd:enumeration value="BCN"/> <xsd:enumeration value="BCS"/> <xsd:enumeration value="CAN"/> <xsd:enumeration value="CHIS"/> <xsd:enumeration value="CHIH"/> <xsd:enumeration value="COAH"/> <xsd:enumeration value="COL"/> <xsd:enumeration value="DF"/> <xsd:enumeration value="DGO'"/> <xsd:enumeration value="GTO"/> <xsd:enumeration value="GRO"/> <xsd:enumeration value="HGO"/> <xsd:enumeration value="JAL"/> <xsd:enumeration value="MEX"/> <xsd:enumeration value="MICH"/> <xsd:enumeration value="MOR"/> <xsd:enumeration value="NAY"/> <xsd:enumeration value="NLO"/> <xsd:enumeration value="OAX"/> <xsd:enumeration value="PUE"/> <xsd:enumeration value="QRO"/> <xsd:enumeration value="QROO"/> <xsd:enumeration value="SLP"/> <xsd:enumeration value="SIN"/> <xsd:enumeration value="SON"/> <xsd:enumeration value="TAB"/> <xsd:enumeration value="TAMPS"/> <xsd:enumeration value="TLAX"/> <xsd:enumeration value="VER"/> <xsd:enumeration value="YUC"/> <xsd:enumeration value="ZAC"/> <xsd:enumeration value="AB"/> <xsd:enumeration value="BC"/> <xsd:enumeration value="MB"/> <xsd:enumeration value="NB"/> <xsd:enumeration value="NF"/> <xsd:enumeration value="NT"/> <xsd:enumeration value="NS"/> <xsd:enumeration value="NU"/> <xsd:enumeration value="ON"/> <xsd:enumeration value="PE"/> <xsd:enumeration value="QC"/> <xsd:enumeration value="SK"/> <xsd:enumeration value="YT"/> <xsd:enumeration value="AK"/> <xsd:enumeration value="AZ"/> <xsd:enumeration value="AR"/> <xsd:enumeration value="CA"/> <xsd:enumeration value="CO"/> <xsd:enumeration value="CT"/> <xsd:enumeration value="DE"/> <xsd:enumeration value="DC"/> <xsd:enumeration value="FL"/> <xsd:enumeration value="GA"/> <xsd:enumeration value="HI"/> <xsd:enumeration value="ID"/> <xsd:enumeration value="IL"/> <xsd:enumeration value="IN"/> <xsd:enumeration value="IA"/> <xsd:enumeration value="KS"/> <xsd:enumeration value="KY"/> <xsd:enumeration value="LA"/> <xsd:enumeration value="ME"/> <xsd:enumeration value="MD"/>

```
    <xsd:enumeration value="MA"/>
    <xsd:enumeration value="MI"/>
    <xsd:enumeration value="MN"/>
    <xsd:enumeration value="MS"/>
    <xsd:enumeration value="MO"/>
    <xsd:enumeration value="MT"/>
    <xsd:enumeration value="NE"/>
    <xsd:enumeration value="NV"/>
    <xsd:enumeration value="NH"/>
    <xsd:enumeration value="NJ"/>
    <xsd:enumeration value="NM"/>
    <xsd:enumeration value="NY"/>
    <xsd:enumeration value="NC"/>
    <xsd:enumeration value="ND"/>
    <xsd:enumeration value="OH"/>
    <xsd:enumeration value="OK"/>
    <xsd:enumeration value="OR"/>
    <xsd:enumeration value="PA"/>
    <xsd:enumeration value="PR"/>
    <xsd:enumeration value="RI"/>
    <xsd:enumeration value="SC"/>
    <xsd:enumeration value="SD"/>
    <xsd:enumeration value="TN"/>
    <xsd:enumeration value="TX"/>
    <xsd:enumeration value="UT"/>
    <xsd:enumeration value="VT"/>
    <xsd:enumeration value="VA"/>
    <xsd:enumeration value="WA"/>
    <xsd:enumeration value="WV"/>
    <xsd:enumeration value="WI"/>
    <xsd:enumeration value="WY"/>
    <xsd:enumeration value="AGS"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CurrencyCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Price/@currencyCode**
facets	enumeration USD

```
<xsd:simpleType name="CurrencyCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="USD"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **DeliveryBasis**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CIF enumeration CIFFO enumeration CNF enumeration CNFFO enumeration Delivered enumeration FAS enumeration FOB enumeration FOB Farm enumeration FST enumeration In-store

	enumeration In-store
source	<xsd:simpleType name="DeliveryBasis"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CIF"/> <xsd:enumeration value="CIFFO"/> <xsd:enumeration value="CNF"/> <xsd:enumeration value="CNFFO"/> <xsd:enumeration value="Delivered"/> <xsd:enumeration value="FAS"/> <xsd:enumeration value="FOB"/> <xsd:enumeration value="FOB Farm"/> <xsd:enumeration value="FST"/> <xsd:enumeration value="In-store"/> </xsd:restriction> </xsd:simpleType>

simpleType **DistanceUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Centimeters enumeration Feet enumeration Inches enumeration Meters enumeration Yards
source	<xsd:simpleType name="DistanceUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Centimeters"/> <xsd:enumeration value="Feet"/> <xsd:enumeration value="Inches"/> <xsd:enumeration value="Meters"/> <xsd:enumeration value="Yards"/> </xsd:restriction> </xsd:simpleType>

simpleType **EquipmentType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Auger enumeration Barge enumeration Box enumeration Container enumeration Covered Hopper enumeration Double Trailer enumeration Flat-Bed enumeration Hi-Cube enumeration Hydrolic enumeration Lash Barge enumeration Laker enumeration Open Hopper enumeration Other enumeration Panamax enumeration Rake enumeration Rail enumeration Sacked enumeration Self-Trimming enumeration Self-Unloader enumeration Ship enumeration Small-Cube enumeration Tanker enumeration Truck

	enumeration Truck enumeration Tween-Decker enumeration Unit Train
source	<xsd:simpleType name="EquipmentType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Auger"/> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Box"/> <xsd:enumeration value="Container"/> <xsd:enumeration value="Covered Hopper"/> <xsd:enumeration value="Double Trailer"/> <xsd:enumeration value="Flat-Bed"/> <xsd:enumeration value="Hi-Cube"/> <xsd:enumeration value="Hydrolic"/> <xsd:enumeration value="Lash Barge"/> <xsd:enumeration value="Laker"/> <xsd:enumeration value="Open Hopper"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Panamax"/> <xsd:enumeration value="Rake"/> <xsd:enumeration value="Rail"/> <xsd:enumeration value="Sacked"/> <xsd:enumeration value="Self-Trimming"/> <xsd:enumeration value="Self-Unloader"/> <xsd:enumeration value="Ship"/> <xsd:enumeration value="Small-Cube"/> <xsd:enumeration value="Tanker"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Tween-Decker"/> <xsd:enumeration value="Unit Train"/> </xsd:restriction> </xsd:simpleType>

simpleType **FreightPaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Collect enumeration Prepaid
source	<xsd:simpleType name="FreightPaymentTermType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Collect"/> <xsd:enumeration value="Prepaid"/> </xsd:restriction> </xsd:simpleType>

simpleType **FreightRateAuthorityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Contract enumeration Quote enumeration Rate enumeration Tariff
source	<xsd:simpleType name="FreightRateAuthorityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Quote"/> <xsd:enumeration value="Rate"/> <xsd:enumeration value="Tariff"/> </xsd:restriction>

	</xsd:simpleType>

simpleType **FuturesCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **FuturesCommodityCode**
facets	enumeration C enumeration DW enumeration KW enumeration MW enumeration NW enumeration O enumeration S enumeration SM enumeration W enumeration XC enumeration XE enumeration XO enumeration XS enumeration XW
source	<xsd:simpleType name="FuturesCommodityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="C"/> <xsd:enumeration value="DW"/> <xsd:enumeration value="KW"/> <xsd:enumeration value="MW"/> <xsd:enumeration value="NW"/> <xsd:enumeration value="O"/> <xsd:enumeration value="S"/> <xsd:enumeration value="SM"/> <xsd:enumeration value="W"/> <xsd:enumeration value="XC"/> <xsd:enumeration value="XE"/> <xsd:enumeration value="XO"/> <xsd:enumeration value="XS"/> <xsd:enumeration value="XW"/> </xsd:restriction> </xsd:simpleType>

simpleType **FuturesCommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **FuturesCommodityName**
facets	enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Oats enumeration Soft Red Winter Wheat enumeration Soybean Meal enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="FuturesCommodityName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Oats"/>

```
    <xsd:enumeration value="Soft Red Winter Wheat"/>
    <xsd:enumeration value="Soybean Meal"/>
    <xsd:enumeration value="White Wheat"/>
    <xsd:enumeration value="Yellow Corn"/>
    <xsd:enumeration value="Yellow Soybeans"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FuturesExchangeCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **FuturesExchangeCode**
facets	enumeration CBOT enumeration KCBOT enumeration MGE enumeration MIDAM

source

```
<xsd:simpleType name="FuturesExchangeCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="CBOT"/>
    <xsd:enumeration value="KCBOT"/>
    <xsd:enumeration value="MGE"/>
    <xsd:enumeration value="MIDAM"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **GoverningTradeRules**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration FOSFA enumeration GAFTA enumeration KCBOT enumeration MGE enumeration NAEGA 2 enumeration NCPA enumeration NGFA enumeration NOPA enumeration PME

source

```
<xsd:simpleType name="GoverningTradeRules">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="FOSFA"/>
    <xsd:enumeration value="GAFTA"/>
    <xsd:enumeration value="KCBOT"/>
    <xsd:enumeration value="MGE"/>
    <xsd:enumeration value="NAEGA 2"/>
    <xsd:enumeration value="NCPA"/>
    <xsd:enumeration value="NGFA"/>
    <xsd:enumeration value="NOPA"/>
    <xsd:enumeration value="PME"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **GradesToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

facets	enumeration Destination House enumeration Destination Official enumeration Destination Submit enumeration First Certified enumeration First Official enumeration Origin House enumeration Origin Official enumeration Origin Submit
source	<xsd:simpleType name="GradesToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Destination House"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination Submit"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="Origin House"/> <xsd:enumeration value="Origin Official"/> <xsd:enumeration value="Origin Submit"/> </xsd:restriction> </xsd:simpleType>

simpleType **IdentifierSource**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes ReferenceIdentifier/@identifierSource EntityIdentifier/@identifierSource LocationIdentifier/@identifierSource
facets	enumeration Agent Internal enumeration Buyer Internal enumeration Dunn & Bradstreet enumeration GIPSA Internal enumeration RapidNet enumeration Seller Internal enumeration Service Provider Internal
source	<xsd:simpleType name="IdentifierSource"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent Internal"/> <xsd:enumeration value="Buyer Internal"/> <xsd:enumeration value="Dunn & Bradstreet"/> <xsd:enumeration value="GIPSA Internal"/> <xsd:enumeration value="RapidNet"/> <xsd:enumeration value="Seller Internal"/> <xsd:enumeration value="Service Provider Internal"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Affidavit enumeration A enumeration B enumeration C enumeration D enumeration E enumeration Other enumeration State Warehouse enumeration U.S. Warehouse Act
source	<xsd:simpleType name="InspectionClassCode"> <xsd:restriction base="xsd:string">

```
    <xsd:enumeration value="Affidavit"/>
    <xsd:enumeration value="A"/>
    <xsd:enumeration value="B"/>
    <xsd:enumeration value="C"/>
    <xsd:enumeration value="D"/>
    <xsd:enumeration value="E"/>
    <xsd:enumeration value="Other"/>
    <xsd:enumeration value="State Warehouse"/>
    <xsd:enumeration value="U.S. Warehouse Act"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **InspectionLevelType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Appeal enumeration Board Appeal enumeration Original enumeration Reinspection enumeration Supervision
source	<xsd:simpleType name="InspectionLevelType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Appeal"/> <xsd:enumeration value="Board Appeal"/> <xsd:enumeration value="Original"/> <xsd:enumeration value="Reinspection"/> <xsd:enumeration value="Supervision"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionProviderType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Federal enumeration House enumeration State enumeration Third Party
source	<xsd:simpleType name="InspectionProviderType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Federal"/> <xsd:enumeration value="House"/> <xsd:enumeration value="State"/> <xsd:enumeration value="Third Party"/> </xsd:restriction> </xsd:simpleType>

simpleType **LocationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **LocationType**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location

source	<xsd:simpleType name="LocationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Facility"/> <xsd:enumeration value="Farm"/> <xsd:enumeration value="Field"/> <xsd:enumeration value="Storage Location"/> </xsd:restriction> </xsd:simpleType>

simpleType **MonthsOfYear**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **FuturesMonth**
facets	enumeration January enumeration February enumeration March enumeration April enumeration May enumeration June enumeration July enumeration August enumeration September enumeration October enumeration November enumeration December
source	<xsd:simpleType name="MonthsOfYear"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="January"/> <xsd:enumeration value="February"/> <xsd:enumeration value="March"/> <xsd:enumeration value="April"/> <xsd:enumeration value="May"/> <xsd:enumeration value="June"/> <xsd:enumeration value="July"/> <xsd:enumeration value="August"/> <xsd:enumeration value="September"/> <xsd:enumeration value="October"/> <xsd:enumeration value="November"/> <xsd:enumeration value="December"/> </xsd:restriction> </xsd:simpleType>

simpleType **PaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration At Time of Settlement enumeration Bill of Lading enumeration Bonded by Warehouse enumeration Cash Against Documents enumeration Cash Against Mates Receipt enumeration Cash in Advance enumeration Draft Bill of Lading enumeration Letter of Credit enumeration Letter of Credit Draft Bill of Lading enumeration Inter-Department Transfer enumeration Net enumeration Prepay enumeration Sight Draft enumeration Wire Transfer

	enumeration Wire Transfer Against Invoice and Documents enumeration Usual Terms
source	<xsd:simpleType name="PaymentTermType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="At Time of Settlement"/> <xsd:enumeration value="Bill of Lading"/> <xsd:enumeration value="Bonded by Warehouse"/> <xsd:enumeration value="Cash Against Documents"/> <xsd:enumeration value="Cash Against Mates Receipt"/> <xsd:enumeration value="Cash in Advance"/> <xsd:enumeration value="Draft Bill of Lading"/> <xsd:enumeration value="Letter of Credit"/> <xsd:enumeration value="Letter of Credit Draft Bill of Lading"/> <xsd:enumeration value="Inter-Department Transfer"/> <xsd:enumeration value="Net"/> <xsd:enumeration value="Prepay"/> <xsd:enumeration value="Sight Draft"/> <xsd:enumeration value="Wire Transfer"/> <xsd:enumeration value="Wire Transfer Against Invoice and Documents"/> <xsd:enumeration value="Usual Terms"/> </xsd:restriction> </xsd:simpleType>

simpleType **PermitIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CLOCK enumeration COT enumeration GEEP enumeration Grain Authorization enumeration Lease enumeration PERX enumeration Pool enumeration Permit enumeration SCO enumeration Voucher
source	<xsd:simpleType name="PermitIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CLOCK"/> <xsd:enumeration value="COT"/> <xsd:enumeration value="GEEP"/> <xsd:enumeration value="Grain Authorization"/> <xsd:enumeration value="Lease"/> <xsd:enumeration value="PERX"/> <xsd:enumeration value="Pool"/> <xsd:enumeration value="Permit"/> <xsd:enumeration value="SCO"/> <xsd:enumeration value="Voucher"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountLimitCondition**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Negotiate enumeration Reject enumeration Subject to Rejection
source	<xsd:simpleType name="PremiumAndDiscountLimitCondition"> <xsd:restriction base="xsd:string">

```
    <xsd:enumeration value="Negotiate"/>
    <xsd:enumeration value="Reject"/>
    <xsd:enumeration value="Subject to Rejection"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **PremiumAndDiscountMeasurementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Quality Factor enumeration Grade

source

```
<xsd:simpleType name="PremiumAndDiscountMeasurementType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Quality Factor"/>
    <xsd:enumeration value="Grade"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **PremiumAndDiscountQuantityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Percent of Gross Bushels enumeration Percent of Gross Weight enumeration Percent of Net Bushels enumeration Percent of Net Weight

source

```
<xsd:simpleType name="PremiumAndDiscountQuantityType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Percent of Gross Bushels"/>
    <xsd:enumeration value="Percent of Gross Weight"/>
    <xsd:enumeration value="Percent of Net Bushels"/>
    <xsd:enumeration value="Percent of Net Weight"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **PricingCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **PricingCode**
facets	enumeration Pricing enumeration Pricing Reversal

source

```
<xsd:simpleType name="PricingCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Pricing"/>
    <xsd:enumeration value="Pricing Reversal"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **PricingMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

used by	element **PricingMethod**
facets	enumeration Exchange enumeration Order enumeration Spot
source	<xsd:simpleType name="PricingMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Exchange"/> <xsd:enumeration value="Order"/> <xsd:enumeration value="Spot"/> </xsd:restriction> </xsd:simpleType>

simpleType **PriceType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	elements **PriceTypeFrom** **PriceTypeTo**
facets	enumeration Basis enumeration Delayed Price enumeration Flat enumeration Futures
source	<xsd:simpleType name="PriceType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Basis"/> <xsd:enumeration value="Delayed Price"/> <xsd:enumeration value="Flat"/> <xsd:enumeration value="Futures"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityCertificateStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Canceled enumeration Corrected enumeration Original enumeration Re-issued enumeration Verified
source	<xsd:simpleType name="QualityCertificateStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Canceled"/> <xsd:enumeration value="Corrected"/> <xsd:enumeration value="Original"/> <xsd:enumeration value="Re-issued"/> <xsd:enumeration value="Verified"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityFactorCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration ADM enumeration AFLATOXIN enumeration ANFL

	enumeration	BADS
	enumeration	BADW
	enumeration	BC
	enumeration	BCFM
	enumeration	BLCH
	enumeration	BLAL
	enumeration	BLB
	enumeration	BLIT
	enumeration	BN
	enumeration	BNFM
	enumeration	BNS
	enumeration	BRDX
	enumeration	BRIT
	enumeration	C
	enumeration	CADM
	enumeration	CBUR
	enumeration	CCL
	enumeration	CH
	enumeration	CL
	enumeration	COFO
	enumeration	CROT
	enumeration	CRSE
	enumeration	CSF
	enumeration	CSTB
	enumeration	DEF
	enumeration	DENT
	enumeration	DGK
	enumeration	DH
	enumeration	DHV
	enumeration	DIAT
	enumeration	DISC
	enumeration	DK
	enumeration	DKT
	enumeration	DKG
	enumeration	DLQ
	enumeration	DYED
	enumeration	EHVY
	enumeration	ERC
	enumeration	ERG
	enumeration	FDK
	enumeration	FINE
	enumeration	FLIN
	enumeration	FLAD
	enumeration	FM
	enumeration	FMOR
	enumeration	FMOW
	enumeration	FMWR
	enumeration	FN
	enumeration	FSUB
	enumeration	GAR
	enumeration	GARB
	enumeration	GLAS
	enumeration	GERM
	enumeration	GLUC
	enumeration	GR
	enumeration	HARD
	enumeration	HT
	enumeration	HRS
	enumeration	HRW
	enumeration	HTG
	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF
	enumeration	IBHT
	enumeration	IBM

	enumeration	IDK
	enumeration	INF
	enumeration	LGAR
	enumeration	LGST
	enumeration	LIME
	enumeration	LSM
	enumeration	LW
	enumeration	M
	enumeration	MB
	enumeration	MDK
	enumeration	MDKG
	enumeration	MOTH
	enumeration	MSFM
	enumeration	MUST
	enumeration	MWTH
	enumeration	NSG
	enumeration	OCL
	enumeration	OCOL
	enumeration	ODK
	enumeration	ODOR
	enumeration	OG
	enumeration	OIL
	enumeration	OLI
	enumeration	OT
	enumeration	OWH
	enumeration	PL
	enumeration	PMS
	enumeration	PROT
	enumeration	RODX
	enumeration	SB
	enumeration	SBAL
	enumeration	SBLY
	enumeration	SBOC
	enumeration	SC
	enumeration	SCOR
	enumeration	SCT
	enumeration	SCL
	enumeration	SG
	enumeration	SHBN
	enumeration	SKBN
	enumeration	SKD
	enumeration	SLW
	enumeration	SMUT
	enumeration	SMT
	enumeration	SO
	enumeration	SOUR
	enumeration	SPL
	enumeration	SS
	enumeration	STON
	enumeration	STND
	enumeration	SULF
	enumeration	THIN
	enumeration	TOM
	enumeration	TRET
	enumeration	TW
	enumeration	UMT
	enumeration	UNCL
	enumeration	VOMITOXIN
	enumeration	WASH
	enumeration	WAXY
	enumeration	WB
	enumeration	WBG
	enumeration	WHAL
	enumeration	WHT
	enumeration	WO
	enumeration	WOCL
	enumeration	X

source

```
<xsd:simpleType name="QualityFactorCode">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="ADM"/>
  <xsd:enumeration value="AFLATOXIN"/>
  <xsd:enumeration value="ANFL"/>
  <xsd:enumeration value="BADS"/>
  <xsd:enumeration value="BADW"/>
  <xsd:enumeration value="BC"/>
  <xsd:enumeration value="BCFM"/>
  <xsd:enumeration value="BLCH"/>
  <xsd:enumeration value="BLAL"/>
  <xsd:enumeration value="BLB"/>
  <xsd:enumeration value="BLIT"/>
  <xsd:enumeration value="BN"/>
  <xsd:enumeration value="BNFM"/>
  <xsd:enumeration value="BNS"/>
  <xsd:enumeration value="BRDX"/>
  <xsd:enumeration value="BRIT"/>
  <xsd:enumeration value="C"/>
  <xsd:enumeration value="CADM"/>
  <xsd:enumeration value="CBUR"/>
  <xsd:enumeration value="CCL"/>
  <xsd:enumeration value="CH"/>
  <xsd:enumeration value="CL"/>
  <xsd:enumeration value="COFO"/>
  <xsd:enumeration value="CROT"/>
  <xsd:enumeration value="CRSE"/>
  <xsd:enumeration value="CSF"/>
  <xsd:enumeration value="CSTB"/>
  <xsd:enumeration value="DEF"/>
  <xsd:enumeration value="DENT"/>
  <xsd:enumeration value="DGK"/>
  <xsd:enumeration value="DH"/>
  <xsd:enumeration value="DHV"/>
  <xsd:enumeration value="DIAT"/>
  <xsd:enumeration value="DISC"/>
  <xsd:enumeration value="DK"/>
  <xsd:enumeration value="DKT"/>
  <xsd:enumeration value="DKG"/>
  <xsd:enumeration value="DLQ"/>
  <xsd:enumeration value="DYED"/>
  <xsd:enumeration value="EHVY"/>
  <xsd:enumeration value="ERC"/>
  <xsd:enumeration value="ERG"/>
  <xsd:enumeration value="FDK"/>
  <xsd:enumeration value="FINE"/>
  <xsd:enumeration value="FLIN"/>
  <xsd:enumeration value="FLAD"/>
  <xsd:enumeration value="FM"/>
  <xsd:enumeration value="FMOR"/>
  <xsd:enumeration value="FMOW"/>
  <xsd:enumeration value="FMWR"/>
  <xsd:enumeration value="FN"/>
  <xsd:enumeration value="FSUB"/>
  <xsd:enumeration value="GAR"/>
  <xsd:enumeration value="GARB"/>
  <xsd:enumeration value="GLAS"/>
  <xsd:enumeration value="GERM"/>
  <xsd:enumeration value="GLUC"/>
  <xsd:enumeration value="GR"/>
  <xsd:enumeration value="HARD"/>
  <xsd:enumeration value="HT"/>
  <xsd:enumeration value="HRS"/>
  <xsd:enumeration value="HRW"/>
  <xsd:enumeration value="HTG"/>
  <xsd:enumeration value="HP"/>
  <xsd:enumeration value="HPFM"/>
  <xsd:enumeration value="HVAC"/>
```

```
<xsd:enumeration value="HVY"/>
<xsd:enumeration value="IADM"/>
<xsd:enumeration value="IBF"/>
<xsd:enumeration value="IBHT"/>
<xsd:enumeration value="IBM"/>
<xsd:enumeration value="IDK"/>
<xsd:enumeration value="INF"/>
<xsd:enumeration value="LGAR"/>
<xsd:enumeration value="LGST"/>
<xsd:enumeration value="LIME"/>
<xsd:enumeration value="LSM"/>
<xsd:enumeration value="LW"/>
<xsd:enumeration value="M"/>
<xsd:enumeration value="MB"/>
<xsd:enumeration value="MDK"/>
<xsd:enumeration value="MDKG"/>
<xsd:enumeration value="MOTH"/>
<xsd:enumeration value="MSFM"/>
<xsd:enumeration value="MUST"/>
<xsd:enumeration value="MWTH"/>
<xsd:enumeration value="NSG"/>
<xsd:enumeration value="OCL"/>
<xsd:enumeration value="OCOL"/>
<xsd:enumeration value="ODK"/>
<xsd:enumeration value="ODOR"/>
<xsd:enumeration value="OG"/>
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<xsd:enumeration value="OLI"/>
<xsd:enumeration value="OT"/>
<xsd:enumeration value="OWH"/>
<xsd:enumeration value="PL"/>
<xsd:enumeration value="PMS"/>
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<xsd:enumeration value="SBLY"/>
<xsd:enumeration value="SBOC"/>
<xsd:enumeration value="SC"/>
<xsd:enumeration value="SCOR"/>
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<xsd:enumeration value="SMT"/>
<xsd:enumeration value="SO"/>
<xsd:enumeration value="SOUR"/>
<xsd:enumeration value="SPL"/>
<xsd:enumeration value="SS"/>
<xsd:enumeration value="STON"/>
<xsd:enumeration value="STND"/>
<xsd:enumeration value="SULF"/>
<xsd:enumeration value="THIN"/>
<xsd:enumeration value="TOM"/>
<xsd:enumeration value="TRET"/>
<xsd:enumeration value="TW"/>
<xsd:enumeration value="UMT"/>
<xsd:enumeration value="UNCL"/>
<xsd:enumeration value="VOMITOXIN"/>
<xsd:enumeration value="WASH"/>
<xsd:enumeration value="WAXY"/>
<xsd:enumeration value="WB"/>
<xsd:enumeration value="WBG"/>
<xsd:enumeration value="WHAL"/>
```

```
    <xsd:enumeration value="WHT"/>
    <xsd:enumeration value="WO"/>
    <xsd:enumeration value="WOCL"/>
    <xsd:enumeration value="X"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass enumeration Broken Kernels enumeration Broken Kernels and Foreign Material enumeration Castor Beans enumeration Choice enumeration Class enumeration Coarse enumeration Cockleburs enumeration Commercially Objectionable Foreign Odor enumeration Conspicuous Admixture enumeration Contrasting Classes enumeration Corn enumeration Crotalaria enumeration Cultivated Sunflower Seed enumeration Damaged Kernels enumeration Damaged Kernels (total) enumeration Dark Hard and Vitreous enumeration Defects (total) enumeration Dehulled enumeration Dent enumeration Diatomaceous Earth enumeration Distinctly Discolored enumeration Distinctly Green Kernels enumeration Distinctly Low Quality enumeration Dockage enumeration Dyed enumeration Ergoty enumeration Erucic Acid enumeration Extra Heavy enumeration Falling Numbers enumeration Fine Foreign Material enumeration Flint enumeration Flint and Dent enumeration Foreign Material enumeration Foreign Material Other than Rye enumeration Foreign Material Other than Wheat enumeration Foreign Material Other than Wheat or Rye enumeration Frost-damaged Kernels enumeration Garlic Bulblets enumeration Garlicky

	enumeration	Garlicky
	enumeration	Glucosinolates
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture
	enumeration	Mold-damaged Kernels
	enumeration	Musty
	enumeration	Not Standardized Grain
	enumeration	Odor
	enumeration	Oil
	enumeration	Other Classes
	enumeration	Other Colors
	enumeration	Other Damaged Kernels
	enumeration	Other Grains
	enumeration	Other Live Insects Injurious to Stored Grain
	enumeration	Other Types
	enumeration	Other White Wheat
	enumeration	Plump
	enumeration	Protein
	enumeration	Purple Mottled or Stained
	enumeration	Rodent Excreta
	enumeration	Sample Grade
	enumeration	Sclerotinia
	enumeration	Scoured
	enumeration	Shrunken and Broken Kernels
	enumeration	Similar Seeds
	enumeration	Skinned and Broken Kernels
	enumeration	Slightly Weathered
	enumeration	Smut Balls
	enumeration	Smutty
	enumeration	Sound Barley
	enumeration	Sound Oats
	enumeration	Sour
	enumeration	Soybeans
	enumeration	Soybeans of Other Colors
	enumeration	Splits
	enumeration	Stained
	enumeration	Stinkbug Damaged
	enumeration	Stones
	enumeration	Stress Cracks
	enumeration	Subclass
	enumeration	Suitable Malting Type
	enumeration	Sulfured
	enumeration	Test Weight

	enumeration Thin enumeration Total Other Material enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:simpleType name="QualityFactorName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Admixture"/> <xsd:enumeration value="Aflatoxin"/> <xsd:enumeration value="Angoumois Moths"/> <xsd:enumeration value="Animal Filth"/> <xsd:enumeration value="Badly Stained"/> <xsd:enumeration value="Badly Weathered"/> <xsd:enumeration value="Bird Excreta"/> <xsd:enumeration value="Bleached"/> <xsd:enumeration value="Blight"/> <xsd:enumeration value="Blue Aleurone"/> <xsd:enumeration value="Blue Barley"/> <xsd:enumeration value="Bottom Not Sampled"/> <xsd:enumeration value="Bright"/> <xsd:enumeration value="Broken Corn"/> <xsd:enumeration value="Broken Corn and Foreign Material"/> <xsd:enumeration value="Broken Glass"/> <xsd:enumeration value="Broken Kernels"/> <xsd:enumeration value="Broken Kernels and Foreign Material"/> <xsd:enumeration value="Castor Beans"/> <xsd:enumeration value="Choice"/> <xsd:enumeration value="Class"/> <xsd:enumeration value="Coarse"/> <xsd:enumeration value="Cockleburs"/> <xsd:enumeration value="Commercially Objectionable Foreign Odor"/> <xsd:enumeration value="Conspicuous Admixture"/> <xsd:enumeration value="Contrasting Classes"/> <xsd:enumeration value="Corn"/> <xsd:enumeration value="Crotalaria"/> <xsd:enumeration value="Cultivated Sunflower Seed"/> <xsd:enumeration value="Damaged Kernels"/> <xsd:enumeration value="Damaged Kernels (total)"/> <xsd:enumeration value="Dark Hard and Vitreous"/> <xsd:enumeration value="Defects (total)"/> <xsd:enumeration value="Dehulled"/> <xsd:enumeration value="Dent"/> <xsd:enumeration value="Diatomaceous Earth"/> <xsd:enumeration value="Distinctly Discolored"/> <xsd:enumeration value="Distinctly Green Kernels"/> <xsd:enumeration value="Distinctly Low Quality"/> <xsd:enumeration value="Dockage"/> <xsd:enumeration value="Dyed"/> <xsd:enumeration value="Ergoty"/> <xsd:enumeration value="Erucic Acid"/> <xsd:enumeration value="Extra Heavy"/> <xsd:enumeration value="Falling Numbers"/> <xsd:enumeration value="Fine Foreign Material"/> <xsd:enumeration value="Flint"/> <xsd:enumeration value="Flint and Dent"/> <xsd:enumeration value="Foreign Material"/> <xsd:enumeration value="Foreign Material Other than Rye"/>

```
<xsd:enumeration value="Foreign Material Other than Wheat"/>
<xsd:enumeration value="Foreign Material Other than Wheat or Rye"/>
<xsd:enumeration value="Frost-damaged Kernels"/>
<xsd:enumeration value="Garlic Bulblets"/>
<xsd:enumeration value="Garlicky"/>
<xsd:enumeration value="Glucosinolates"/>
<xsd:enumeration value="Germ"/>
<xsd:enumeration value="Grain"/>
<xsd:enumeration value="Handpicked"/>
<xsd:enumeration value="Handpicked Foreign Material"/>
<xsd:enumeration value="Hard and Vitreous Kernels of Amber Color"/>
<xsd:enumeration value="Hard Kernels"/>
<xsd:enumeration value="Heat-damaged Kernels"/>
<xsd:enumeration value="Hard Red Winter"/>
<xsd:enumeration value="Hard Red Spring"/>
<xsd:enumeration value="Heating"/>
<xsd:enumeration value="Heavy"/>
<xsd:enumeration value="Inconspicuous Admixture"/>
<xsd:enumeration value="Infested"/>
<xsd:enumeration value="Injured by Frost"/>
<xsd:enumeration value="Injured by Heat"/>
<xsd:enumeration value="Injured by Mold"/>
<xsd:enumeration value="Insect-damaged Kernels"/>
<xsd:enumeration value="Large stones  etc."/>
<xsd:enumeration value="Light Garlicky"/>
<xsd:enumeration value="Light Smutty"/>
<xsd:enumeration value="Limed"/>
<xsd:enumeration value="Machine Separated Broken Kernels and FM"/>
<xsd:enumeration value="Malting Barley"/>
<xsd:enumeration value="Materially Weathered"/>
<xsd:enumeration value="Mechanically Separated Dockage"/>
<xsd:enumeration value="Mixed"/>
<xsd:enumeration value="Moisture"/>
<xsd:enumeration value="Mold-damaged Kernels"/>
<xsd:enumeration value="Musty"/>
<xsd:enumeration value="Not Standardized Grain"/>
<xsd:enumeration value="Odor"/>
<xsd:enumeration value="Oil"/>
<xsd:enumeration value="Other Classes"/>
<xsd:enumeration value="Other Colors"/>
<xsd:enumeration value="Other Damaged Kernels"/>
<xsd:enumeration value="Other Grains"/>
<xsd:enumeration value="Other Live Insects Injurious to Stored Grain"/>
<xsd:enumeration value="Other Types"/>
<xsd:enumeration value="Other White Wheat"/>
<xsd:enumeration value="Plump"/>
<xsd:enumeration value="Protein"/>
<xsd:enumeration value="Purple Mottled or Stained"/>
<xsd:enumeration value="Rodent Excreta"/>
<xsd:enumeration value="Sample Grade"/>
<xsd:enumeration value="Sclerotinia"/>
<xsd:enumeration value="Scoured"/>
<xsd:enumeration value="Shrunken and Broken Kernels"/>
<xsd:enumeration value="Similar Seeds"/>
<xsd:enumeration value="Skinned and Broken Kernels"/>
<xsd:enumeration value="Slightly Weathered"/>
<xsd:enumeration value="Smut Balls"/>
<xsd:enumeration value="Smutty"/>
<xsd:enumeration value="Sound Barley"/>
<xsd:enumeration value="Sound Oats"/>
<xsd:enumeration value="Sour"/>
<xsd:enumeration value="Soybeans"/>
<xsd:enumeration value="Soybeans of Other Colors"/>
<xsd:enumeration value="Splits"/>
<xsd:enumeration value="Stained"/>
<xsd:enumeration value="Stinkbug Damaged"/>
<xsd:enumeration value="Stones"/>
<xsd:enumeration value="Stress Cracks"/>
```

```
    <xsd:enumeration value="Subclass"/>
    <xsd:enumeration value="Suitable Malting Type"/>
    <xsd:enumeration value="Sulfured"/>
    <xsd:enumeration value="Test Weight"/>
    <xsd:enumeration value="Thin"/>
    <xsd:enumeration value="Total Other Material"/>
    <xsd:enumeration value="Treated"/>
    <xsd:enumeration value="Unclassed Wheat"/>
    <xsd:enumeration value="Unknown Foreign Substance"/>
    <xsd:enumeration value="Unsuitable Malting Type"/>
    <xsd:enumeration value="Vomitoxin"/>
    <xsd:enumeration value="Washed"/>
    <xsd:enumeration value="Waxy"/>
    <xsd:enumeration value="Weevils (live)"/>
    <xsd:enumeration value="Wheat"/>
    <xsd:enumeration value="Wheat of Other Classes"/>
    <xsd:enumeration value="White Aleurone"/>
    <xsd:enumeration value="Wild Brome Grass Seed"/>
    <xsd:enumeration value="Wild Buckwheat"/>
    <xsd:enumeration value="Wild Oats"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Count enumeration Kilograms Per Hectoliter enumeration Parts Per Billion enumeration Parts Per Million enumeration Percent enumeration Pounds Per Bushel

source

```
<xsd:simpleType name="QualityFactorUnitOfMeasure">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Count"/>
    <xsd:enumeration value="Kilograms Per Hectoliter"/>
    <xsd:enumeration value="Parts Per Billion"/>
    <xsd:enumeration value="Parts Per Million"/>
    <xsd:enumeration value="Percent"/>
    <xsd:enumeration value="Pounds Per Bushel"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityGrouping**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Average per 5-Car Unit enumeration Average per 3-Car Unit enumeration Contract enumeration Cumulative Sum enumeration Hold enumeration Shipment enumeration Sublot enumeration Unit

source

```
<xsd:simpleType name="QualityGrouping">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Average per 5-Car Unit"/>
    <xsd:enumeration value="Average per 3-Car Unit"/>
    <xsd:enumeration value="Contract"/>
```

```
    <xsd:enumeration value="Cumulative Sum"/>
    <xsd:enumeration value="Hold"/>
    <xsd:enumeration value="Shipment"/>
    <xsd:enumeration value="Sublot"/>
    <xsd:enumeration value="Unit"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QuantityDeterminationMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Actual enumeration Draft enumeration Estimated

source

```
<xsd:simpleType name="QuantityDeterminationMethod">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Actual"/>
    <xsd:enumeration value="Draft"/>
    <xsd:enumeration value="Estimated"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **RemarkType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Remark/@remarkType**
facets	enumeration Header enumeration Footer

source

```
<xsd:simpleType name="RemarkType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Header"/>
    <xsd:enumeration value="Footer"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **RouteCarrierSequence**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration 1st Carrier after Origin Carrier enumeration 2nd Carrier after Origin Carrier enumeration 3rd Carrier after Origin Carrier enumeration 4th Carrier after Origin Carrier enumeration 5th Carrier after Origin Carrier enumeration 6th Carrier after Origin Carrier enumeration 7th Carrier after Origin Carrier enumeration 8th Carrier after Origin Carrier enumeration 9th Carrier after Origin Carrier enumeration Delivery Carrier enumeration Delivery Switch Carrier enumeration Origin Carrier enumeration Origin Switch Carrier

source

```
<xsd:simpleType name="RouteCarrierSequence">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="1st Carrier after Origin Carrier"/>
```

```
    <xsd:enumeration value="2nd Carrier after Origin Carrier"/>
    <xsd:enumeration value="3rd Carrier after Origin Carrier"/>
    <xsd:enumeration value="4th Carrier after Origin Carrier"/>
    <xsd:enumeration value="5th Carrier after Origin Carrier"/>
    <xsd:enumeration value="6th Carrier after Origin Carrier"/>
    <xsd:enumeration value="7th Carrier after Origin Carrier"/>
    <xsd:enumeration value="8th Carrier after Origin Carrier"/>
    <xsd:enumeration value="9th Carrier after Origin Carrier"/>
    <xsd:enumeration value="Delivery Carrier"/>
    <xsd:enumeration value="Delivery Switch Carrier"/>
    <xsd:enumeration value="Origin Carrier"/>
    <xsd:enumeration value="Origin Switch Carrier"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **RouteType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Carrier enumeration Shipper

source

```
<xsd:simpleType name="RouteType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Buyer"/>
    <xsd:enumeration value="Carrier"/>
    <xsd:enumeration value="Shipper"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **SampleMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Belt enumeration Diverter enumeration Door enumeration Ellis Cup enumeration Mechanical Diverter enumeration Other enumeration Pelican enumeration Probe enumeration Shallow Probe enumeration Woodside

source

```
<xsd:simpleType name="SampleMethod">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Belt"/>
    <xsd:enumeration value="Diverter"/>
    <xsd:enumeration value="Door"/>
    <xsd:enumeration value="Ellis Cup"/>
    <xsd:enumeration value="Mechanical Diverter"/>
    <xsd:enumeration value="Other"/>
    <xsd:enumeration value="Pelican"/>
    <xsd:enumeration value="Probe"/>
    <xsd:enumeration value="Shallow Probe"/>
    <xsd:enumeration value="Woodside"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **SampleOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Official enumeration Submitted
source	<xsd:simpleType name="SampleOfficialCategory"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Official"/> <xsd:enumeration value="Submitted"/> </xsd:restriction> </xsd:simpleType>

simpleType **ScheduleEvent**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration At Time of Contract Creation enumeration At Time of Load enumeration At Time of Pricing enumeration At Time of Settlement enumeration At Time of Shipment enumeration At Time of Unload
source	<xsd:simpleType name="ScheduleEvent"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="At Time of Contract Creation"/> <xsd:enumeration value="At Time of Load"/> <xsd:enumeration value="At Time of Pricing"/> <xsd:enumeration value="At Time of Settlement"/> <xsd:enumeration value="At Time of Shipment"/> <xsd:enumeration value="At Time of Unload"/> </xsd:restriction> </xsd:simpleType>

simpleType **ServiceEvent**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Export enumeration Inbound enumeration Outbound enumeration Submitted enumeration Track
source	<xsd:simpleType name="ServiceEvent"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Export"/> <xsd:enumeration value="Inbound"/> <xsd:enumeration value="Outbound"/> <xsd:enumeration value="Submitted"/> <xsd:enumeration value="Track"/> </xsd:restriction> </xsd:simpleType>

simpleType **ServiceOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Certified enumeration Official enumeration Unofficial
source	<xsd:simpleType name="ServiceOfficialCategory"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Certified"/> <xsd:enumeration value="Official"/> <xsd:enumeration value="Unofficial"/> </xsd:restriction> </xsd:simpleType>

simpleType **SpecialHandlingService**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Destination Weights enumeration Destination Grades enumeration First Official Grades enumeration First Official Weights enumeration LFVC enumeration Official Grades enumeration Official Weights enumeration Origin Weights enumeration Origin Grades enumeration Track Scale Weights enumeration WD enumeration WI enumeration WISD enumeration XP
source	<xsd:simpleType name="SpecialHandlingService"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Destination Weights"/> <xsd:enumeration value="Destination Grades"/> <xsd:enumeration value="First Official Grades"/> <xsd:enumeration value="First Official Weights"/> <xsd:enumeration value="LFVC"/> <xsd:enumeration value="Official Grades"/> <xsd:enumeration value="Official Weights"/> <xsd:enumeration value="Origin Weights"/> <xsd:enumeration value="Origin Grades"/> <xsd:enumeration value="Track Scale Weights"/> <xsd:enumeration value="WD"/> <xsd:enumeration value="WI"/> <xsd:enumeration value="WISD"/> <xsd:enumeration value="XP"/> </xsd:restriction> </xsd:simpleType>

simpleType **SpecialTermName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Advance Rate enumeration Broker Rate

	enumeration Cancellation Fee enumeration Carrying Charge enumeration Days Load Notice enumeration Demurrage Charge enumeration Despatch Charge enumeration Delayed Price In Charge enumeration Delayed Price Monthly Charge enumeration Fumigation Charge enumeration Interest Charge enumeration Issue Fee enumeration Load Guarantee enumeration Load Port Declaration enumeration Other enumeration Price By Date enumeration Re-price Charge enumeration Roll Fee enumeration Service Charge enumeration Shipment Period Declaration enumeration Special Contract Information enumeration Storage In Charge enumeration Storage Monthly Charge
source	<xsd:simpleType name="SpecialTermName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Advance Rate"/> <xsd:enumeration value="Broker Rate"/> <xsd:enumeration value="Cancellation Fee"/> <xsd:enumeration value="Carrying Charge"/> <xsd:enumeration value="Days Load Notice"/> <xsd:enumeration value="Demurrage Charge"/> <xsd:enumeration value="Despatch Charge"/> <xsd:enumeration value="Delayed Price In Charge"/> <xsd:enumeration value="Delayed Price Monthly Charge"/> <xsd:enumeration value="Fumigation Charge"/> <xsd:enumeration value="Interest Charge"/> <xsd:enumeration value="Issue Fee"/> <xsd:enumeration value="Load Guarantee"/> <xsd:enumeration value="Load Port Declaration"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Price By Date"/> <xsd:enumeration value="Re-price Charge"/> <xsd:enumeration value="Roll Fee"/> <xsd:enumeration value="Service Charge"/> <xsd:enumeration value="Shipment Period Declaration"/> <xsd:enumeration value="Special Contract Information"/> <xsd:enumeration value="Storage In Charge"/> <xsd:enumeration value="Storage Monthly Charge"/> </xsd:restriction> </xsd:simpleType>

simpleType **StandardTransportationCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration 01-131 Barley enumeration 01-132 Corn enumeration 01-133 Oats enumeration 01-135 Rye enumeration 01-136 Sorghum Grains enumeration 01-137 Wheat enumeration 01-139 Grain, NEC enumeration 01-141 Cottonseeds enumeration 01-142 Flaxseeds enumeration 01-144 Soybeans enumeration 01-149 Oil Kernals, nuts or seeds enumeration 01-152 Popcorn enumeration 01-159 Seeds

	enumeration 01-159 Seeds enumeration 01-191 Fodder Hay or Roughage enumeration 01-341 Beans, Dry Ripe enumeration 01-342 Peas, Dry enumeration 01-343 Cowpeas, Lentils or Lupines enumeration 01-992 Alfalfa Meal enumeration 20-411 Wheat Flour enumeration 20-412 Wheat bran, middlings enumeration 20-413 Corn meal or flour enumeration 20-414 Rye flour enumeration 20-415 Oat flour enumeration 20-418 Grain mill by-products enumeration 20-419 Flour or other grain mill products, NEC enumeration 20-421 Prepared Feeds enumeration 20-461 Corn syrup enumeration 20-462 Corn starch enumeration 20-463 Corn sugar enumeration 20-464 Dextrine, corn, tapioca or other enumeration 20-465 Corn oil enumeration 20-466 Other starch enumeration 20-467 Wet process corn or similar mill by-products enumeration 20-469 Wet process corn milling or by-products enumeration 20-471 Bird Food or Seed,Domestic enumeration 20-619 Beet Pulp Pellets enumeration 20-823 Spent Grains enumeration 20-831 Malt enumeration 20-839 Malt Products enumeration 20-859 Distillers By-Products enumeration 20-914 Cottonseed Meal or By-Products enumeration 20-921 Soybean oil enumeration 20-923 Soybean meal and hulls enumeration 20-933 Nut or Vegetable Oils enumeration 20-939 Oil Seed Meals & By-Products, NEC enumeration 20-942 Fish Meal enumeration 20-144 Animal Protein Products enumeration 01-134 Rough Rice enumeration 20-449 Milled Rice, Rice By-Products, etc. enumeration 20-442 Rice Flour enumeration 20-933 Rice Oil enumeration 20-442 Rice Bran enumeration 37-422 Freight cars moving on own-wheels enumeration
source	<xsd:simpleType name="StandardTransportationCommodityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="01-131 Barley"/> <xsd:enumeration value="01-132 Corn"/> <xsd:enumeration value="01-133 Oats"/> <xsd:enumeration value="01-135 Rye"/> <xsd:enumeration value="01-136 Sorghum Grains"/> <xsd:enumeration value="01-137 Wheat"/> <xsd:enumeration value="01-139 Grain, NEC"/> <xsd:enumeration value="01-141 Cottonseeds"/> <xsd:enumeration value="01-142 Flaxseeds"/> <xsd:enumeration value="01-144 Soybeans"/> <xsd:enumeration value="01-149 Oil Kernals, nuts or seeds"/> <xsd:enumeration value="01-152 Popcorn"/> <xsd:enumeration value="01-159 Seeds"/> <xsd:enumeration value="01-191 Fodder Hay or Roughage"/> <xsd:enumeration value="01-341 Beans, Dry Ripe"/> <xsd:enumeration value="01-342 Peas, Dry"/> <xsd:enumeration value="01-343 Cowpeas, Lentils or Lupines"/> <xsd:enumeration value="01-992 Alfalfa Meal"/> <xsd:enumeration value="20-411 Wheat Flour"/> <xsd:enumeration value="20-412 Wheat bran, middlings"/> <xsd:enumeration value="20-413 Corn meal or flour"/> <xsd:enumeration value="20-414 Rye flour"/> <xsd:enumeration value="20-415 Oat flour"/> <xsd:enumeration value="20-418 Grain mill by-products"/>

```
    <xsd:enumeration value="20-419 Flour or other grain mill products, NEC"/>
    <xsd:enumeration value="20-421 Prepared Feeds"/>
    <xsd:enumeration value="20-461 Corn syrup"/>
    <xsd:enumeration value="20-462 Corn starch"/>
    <xsd:enumeration value="20-463 Corn sugar"/>
    <xsd:enumeration value="20-464 Dextrine, corn, tapioca or other"/>
    <xsd:enumeration value="20-465 Corn oil"/>
    <xsd:enumeration value="20-466 Other starch"/>
    <xsd:enumeration value="20-467 Wet process corn or similar mill by-products"/>
    <xsd:enumeration value="20-469 Wet process corn milling or by-products"/>
    <xsd:enumeration value="20-471 Bird Food or Seed,Domestic"/>
    <xsd:enumeration value="20-619 Beet Pulp Pellets"/>
    <xsd:enumeration value="20-823 Spent Grains"/>
    <xsd:enumeration value="20-831 Malt"/>
    <xsd:enumeration value="20-839 Malt Products"/>
    <xsd:enumeration value="20-859 Distillers By-Products"/>
    <xsd:enumeration value="20-914 Cottonseed Meal or By-Products"/>
    <xsd:enumeration value="20-921 Soybean oil"/>
    <xsd:enumeration value="20-923 Soybean meal and hulls"/>
    <xsd:enumeration value="20-933 Nut or Vegetable Oils"/>
    <xsd:enumeration value="20-939 Oil Seed Meals &amp;amp; By-Products, NEC"/>
    <xsd:enumeration value="20-942 Fish Meal"/>
    <xsd:enumeration value="20-144 Animal Protein Products"/>
    <xsd:enumeration value="01-134 Rough Rice"/>
    <xsd:enumeration value="20-449 Milled Rice, Rice By-Products, etc."/>
    <xsd:enumeration value="20-442 Rice Flour"/>
    <xsd:enumeration value="20-933 Rice Oil"/>
    <xsd:enumeration value="20-442 Rice Bran"/>
    <xsd:enumeration value="37-422 Freight cars moving on own-wheels"/>
    <xsd:enumeration value=""/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **TimeUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Day enumeration Hour enumeration Minute enumeration Month enumeration Second enumeration Week enumeration Year

source

```
<xsd:simpleType name="TimeUnitOfMeasure">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Day"/>
    <xsd:enumeration value="Hour"/>
    <xsd:enumeration value="Minute"/>
    <xsd:enumeration value="Month"/>
    <xsd:enumeration value="Second"/>
    <xsd:enumeration value="Week"/>
    <xsd:enumeration value="Year"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **TolerancePricingTerm**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Contract Basis enumeration Contract Flat Price enumeration Market Day After Unload

	enumeration Market Day After Unload enumeration Market Day of Load
source	<xsd:simpleType name="TolerancePricingTerm"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Contract Basis"/> <xsd:enumeration value="Contract Flat Price"/> <xsd:enumeration value="Market Day After Unload"/> <xsd:enumeration value="Market Day of Load"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationMode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **TransportationMode**
facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck enumeration Vessel
source	<xsd:simpleType name="TransportationMode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="In-store"/> <xsd:enumeration value="Rail"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Vessel"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationProvider**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Agent enumeration Buyer enumeration Seller
source	<xsd:simpleType name="TransportationProvider"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent"/> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Barges enumeration Cars enumeration Holds enumeration Trucks enumeration
source	<xsd:simpleType name="TransportationUnitOfMeasure">

```
<xsd:restriction base="xsd:string">
  <xsd:enumeration value="Barges"/>
  <xsd:enumeration value="Cars"/>
  <xsd:enumeration value="Holds"/>
  <xsd:enumeration value="Trucks"/>
  <xsd:enumeration value=""/>
 </xsd:restriction>
</xsd:simpleType>
```

simpleType **TruckDriverStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Off enumeration On enumeration Unknown

source

```
<xsd:simpleType name="TruckDriverStatus">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="Off"/>
  <xsd:enumeration value="On"/>
  <xsd:enumeration value="Unknown"/>
 </xsd:restriction>
</xsd:simpleType>
```

simpleType **CommodityMovementStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Complete Notification enumeration Disposition Notification enumeration Quality Notification enumeration Weight and Quality Notification enumeration Weight Notification

source

```
<xsd:simpleType name="CommodityMovementStatus">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="Complete Notification"/>
  <xsd:enumeration value="Disposition Notification"/>
  <xsd:enumeration value="Quality Notification"/>
  <xsd:enumeration value="Weight and Quality Notification"/>
  <xsd:enumeration value="Weight Notification"/>
 </xsd:restriction>
</xsd:simpleType>
```

simpleType **CommodityMovementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Inbound enumeration In-store enumeration Outbound enumeration Paper Trade

source

```
<xsd:simpleType name="CommodityMovementType">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="Inbound"/>
  <xsd:enumeration value="In-store"/>
  <xsd:enumeration value="Outbound"/>
  <xsd:enumeration value="Paper Trade"/>
 </xsd:restriction>
```

	</xsd:simpleType>

simpleType **VehicleIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Barge enumeration Bar Code enumeration Bill of Lading enumeration Contract enumeration Description enumeration Driver Name enumeration Load Order enumeration Rail Car enumeration Scale Ticket enumeration Trailer License enumeration Truck License enumeration Vessel Hold enumeration Vessel Name
source	<xsd:simpleType name="VehicleIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bar Code"/> <xsd:enumeration value="Bill of Lading"/> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Description"/> <xsd:enumeration value="Driver Name"/> <xsd:enumeration value="Load Order"/> <xsd:enumeration value="Rail Car"/> <xsd:enumeration value="Scale Ticket"/> <xsd:enumeration value="Trailer License"/> <xsd:enumeration value="Truck License"/> <xsd:enumeration value="Vessel Hold"/> <xsd:enumeration value="Vessel Name"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Affidavit enumeration House enumeration X enumeration Y enumeration 1 enumeration 2 enumeration 3
source	<xsd:simpleType name="WeightClassCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Affidavit"/> <xsd:enumeration value="House"/> <xsd:enumeration value="X"/> <xsd:enumeration value="Y"/> <xsd:enumeration value="1"/> <xsd:enumeration value="2"/> <xsd:enumeration value="3"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightsToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Certified enumeration Destination Certified enumeration Destination Official enumeration Destination or Railroad enumeration First Certified enumeration First Official enumeration First Official or Certified enumeration First Official or Destination enumeration First Official or Railroad enumeration Origin Certified enumeration Origin House enumeration Origin Official
source	<xsd:simpleType name="WeightsToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Certified"/> <xsd:enumeration value="Destination Certified"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination or Railroad"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="First Official or Certified"/> <xsd:enumeration value="First Official or Destination"/> <xsd:enumeration value="First Official or Railroad"/> <xsd:enumeration value="Origin Certified"/> <xsd:enumeration value="Origin House"/> <xsd:enumeration value="Origin Official"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Hundred Weight enumeration Kilograms enumeration Long tons enumeration Metric tons enumeration Pounds enumeration Short tons
source	<xsd:simpleType name="WeightUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Hundred Weight"/> <xsd:enumeration value="Kilograms"/> <xsd:enumeration value="Long tons"/> <xsd:enumeration value="Metric tons"/> <xsd:enumeration value="Pounds"/> <xsd:enumeration value="Short tons"/> </xsd:restriction> </xsd:simpleType>

10.2 Sample XML Instance Document

```
<?xml version="1.0" encoding="UTF-8" ?>
- <ContractPricing xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:noNamespaceSchemaLocation="file:///C:/AgXML/schemas/ContractPricing.xsd">
   - <ContractPricingHeader>
      - <ContractPricingOriginatorInformation>
            <ContractPricingOriginator>Seller</ContractPricingOriginator>
            <ContractPricingIdentifier>50000A</ContractPricingIdentifier>
        </ContractPricingOriginatorInformation>
      - <ContractPricingDateTime>
            <Date>2001-04-19</Date>
        </ContractPricingDateTime>
      - <Buyer>
         - <EntityInformation>
               <EntityIdentifier>016705</EntityIdentifier>
               <EntityName>ADM/Growmark</EntityName>
               <LocationName>River House</LocationName>
            - <Address>
                  <AddressLine>P O Box 123</AddressLine>
                  <City>Memphis</City>
                  <CountryRegionCode>TN</CountryRegionCode>
                  <PostalCode>12345</PostalCode>
               </Address>
           </EntityInformation>
        </Buyer>
      - <Seller>
         - <EntityInformation>
               <EntityIdentifier>90108</EntityIdentifier>
               <EntityName>ADM/Growmark</EntityName>
            - <Address>
                  <AddressLine>P O Box 629</AddressLine>
                  <City>Decatur</City>
                  <CountryRegionCode>IL</CountryRegionCode>
                  <PostalCode>62525-1806</PostalCode>
               </Address>
           </EntityInformation>
         - <ContactInformation>
            - <CommunicationInformation>
                  <CommunicationCode>217-424-5900</CommunicationCode>
                  <CommunicationMethod>Desk Phone</CommunicationMethod>
               </CommunicationInformation>
           </ContactInformation>
         - <OriginalContractHeaderInformation>
               <ContractIdentifier>500000</ContractIdentifier>
            - <ContractDateTime>
                  <Date>2001-04-19</Date>
               </ContractDateTime>
           </OriginalContractHeaderInformation>
        </Seller>
    </ContractPricingHeader>
   - <ContractPricingDetail>
        <PricingCode>Pricing</PricingCode>
        <PriceTypeFrom>Basis</PriceTypeFrom>
        <PriceTypeTo>Flat</PriceTypeTo>
        <PricingQuantity commodityUnitOfMeasure="Bushel">90000.00</PricingQuantity>
        <PricingQuantityBalance commodityUnitOfMeasure="Bushel">0.00</PricingQuantityBalance>
      - <PriceInformation>
         - <FlatPrice>
               <Price currencyCode="USD" commodityUnitOfMeasure="Bushel">1.45</Price>
           </FlatPrice>
         - <BasisPrice>
               <Price currencyCode="USD" commodityUnitOfMeasure="Bushel">-.60</Price>
            - <FuturesInformation>
                  <FuturesCommodityCode>C</FuturesCommodityCode>
                  <FuturesCommodityName>Yellow Corn</FuturesCommodityName>
```

```
                    <FuturesMonth>May</FuturesMonth>
                    <FuturesYear>2001</FuturesYear>
                    <FuturesExchangeCode>CBOT</FuturesExchangeCode>
                </FuturesInformation>
            </BasisPrice>
          - <FuturesPrice>
                <Price currencyCode="USD" commodityUnitOfMeasure="Bushel">2.05</Price>
              - <FuturesInformation>
                    <FuturesCommodityCode>C</FuturesCommodityCode>
                    <FuturesCommodityName>Yellow Corn</FuturesCommodityName>
                    <FuturesMonth>May</FuturesMonth>
                    <FuturesYear>01</FuturesYear>
                    <FuturesExchangeCode>CBOT</FuturesExchangeCode>
                </FuturesInformation>
            </FuturesPrice>
        </PriceInformation>
      - <OriginalContractDetailInformation>
          - <ContractCommodityInformation>
                <CommodityStandardsAuthorityCode>GIPSA</CommodityStandardsAuthorityCode>
                <CommodityNameCode>YC</CommodityNameCode>
                <CommodityName>Yellow Corn</CommodityName>
                <CommodityStandardGrade>U.S. No 2</CommodityStandardGrade>
            </ContractCommodityInformation>
            <ContractQuantity commodityUnitOfMeasure="Bushel">90000.0</ContractQuantity>
          - <ShipmentOrDeliveryPeriod>
                <BeginningDate>2001-05-01</BeginningDate>
                <EndingDate>2001-05-31</EndingDate>
            </ShipmentOrDeliveryPeriod>
        </OriginalContractDetailInformation>
        <Remark remarkType="Header">We confirm sale to you today</Remark>
    </ContractPricingDetail>
</ContractPricing>
```

11 Commodity Movement

11.1 Rail Shipment Use Case

Context of Use: A seller delivers a commodity to a buyer (one buyer; one seller; seller fullfills the roles of loading facility, shipper, and freight owner; the buyer fulfills the role of unloading facility).

Scope: Commodity seller operations, buyer operations, railroad operations, and service provider operations.

Level: Summary

Primary Actor: Seller

Stakeholders and Interests
Seller: Receive payment for the commodity.
Buyer: Receive the contractually specified quantity of the commodity at the contractually specified quality.
Railroad: Receive payment for shipping the commodity.
Service Provider: Receive payment for providing services.
Loading Facility: Receive payment for loading the shipment.
Unloading Facility: Receive payment for unloading the shipment.

Success Guarantees: A commodity is delivered to the destination and all applicable paperwork is received by all parties.

Main Success Scenario

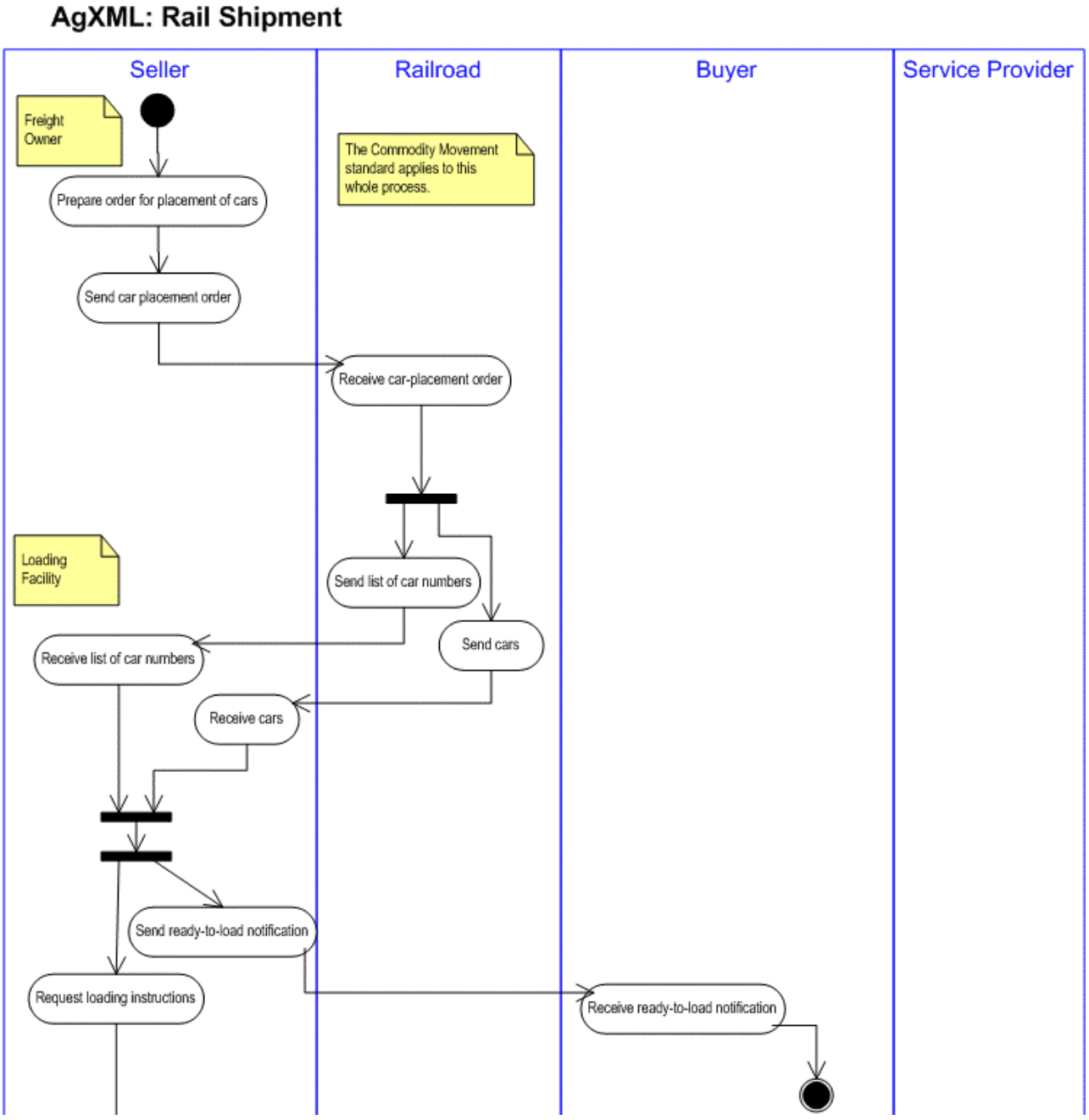
1. The freight owner prepares a rail car-placement order and sends it to the railroad.
2. The railroad receives the order, sends the list of rail car numbers to the loading facility, and sends the rail cars to the designated load site.
3. The loading facility receives the rail cars from the railroad, notifies the buyer that they are ready to load a shipment against a commodity contract, and requests loading instructions from the buyer.
4. The buyer sends loading instructions to the loading facility.
5. The loading facility forwards car numbers to the buyer (if the buyer requests), arranges for weighting and grading with an appropriate service provider (in accordance with the commodity contract terms or if desired), and loads the cars according to the buyer's instructions.
6. The service provider weighs and grades the shipment and communicates the results the loading facility.

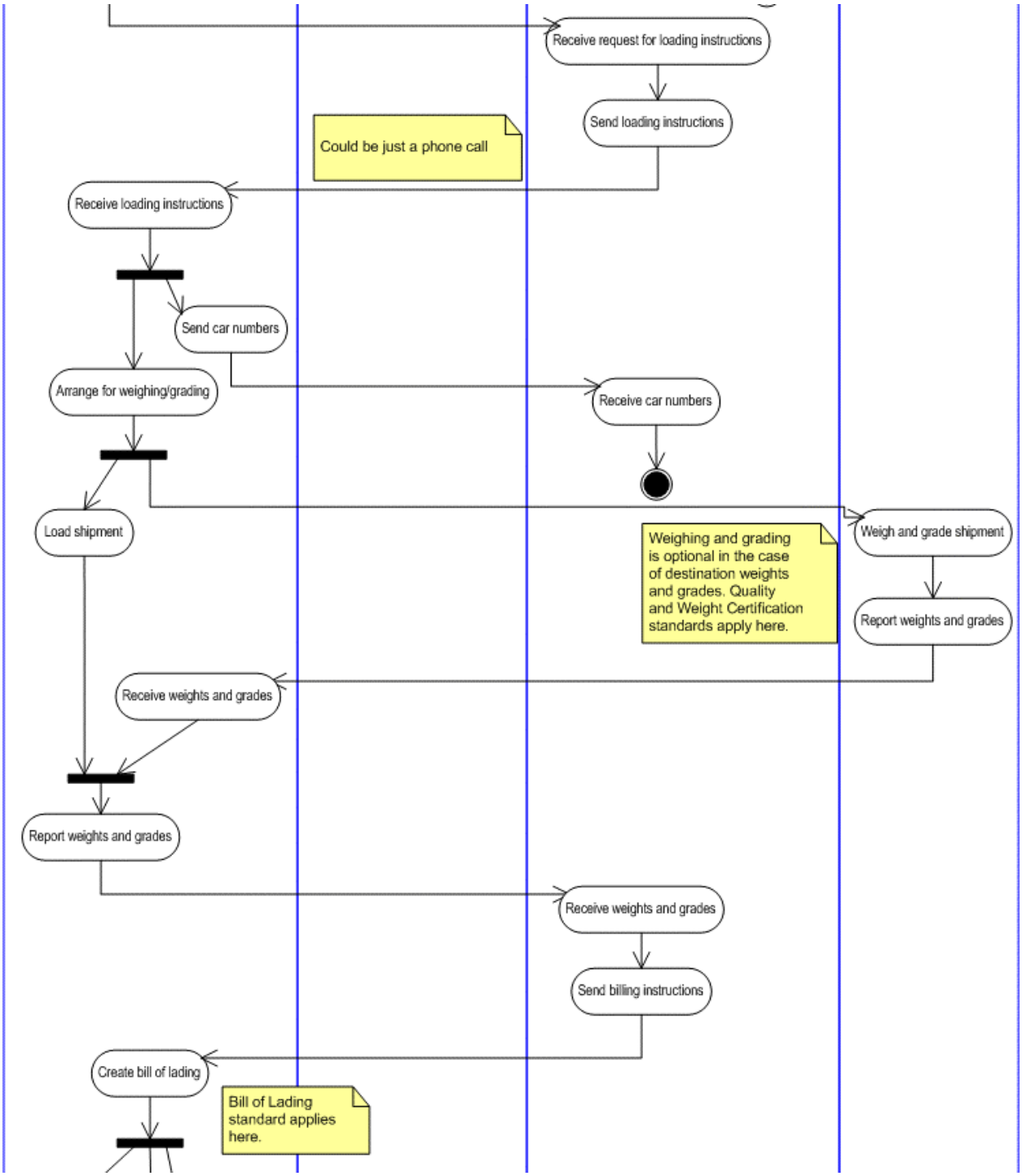
7. The loading facility communicates the origin weights and grades to the buyer (this is an optional step and is generally just summary information).
8. The buyer sends billing instructions (bill of lading instructions) to the seller.
9. The loading facility creates a bill of lading and sends it to the railroad and releases the rail cards.
10. The railroad ships the load to the destination specified on the bill of lading.
11. The seller delivers all contractually required load documents (e.g. paper weight certificates, grade certificates, bills of lading, invoices, etc.) are delivered to the buyer. At this point, the lading acts as a transfer of title.
12. The buyer receives the load documents and confirms the receipt to the seller.
13. The unloading facility arranges for weighing and grading with a service provider and unloads the shipment.
14. The service provider weighs and grades the shipment and communicates the results to the buyer (optionally to the seller).
15. The unloading facility releases the rail cars to the railroad and communicates unload infomration to the seller (optional).

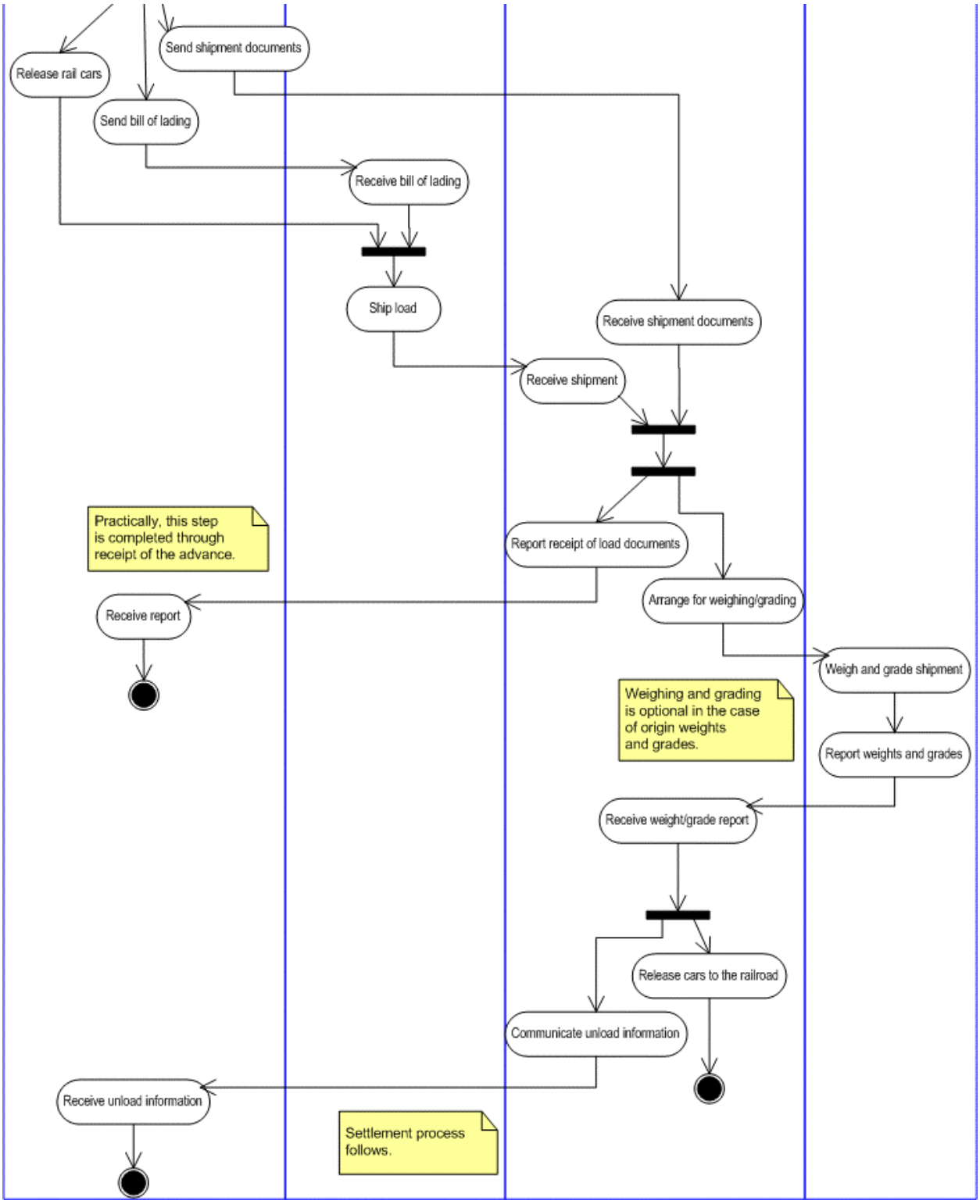
Notes

1. Sometimes the commodity is loaded and shipped without a buyer.
2. A service provider may be in-house, outside agency, or other third-party.
3. Weights and grades may be taken at origin, at destination, or both. Grades may be taken in transit. They may also be independently taken.
4. "Loading facility" refers to the loading facility's organization. The distinction is especially applicable to the location where bills of lading are created.
5. The shipper is responsible for the bill of lading.
6. This use case does not apply to reconsignments or diversions.
7. Sometimes rail cars are released with bill of lading and sometimes they are released with bill of lading to follow.

11.2 Rail Shipment Activity Diagram




Receive request for loading instructions
Send loading instructions
Could be just a phone call
Receive loading instructions
Send car numbers
Arrange for weighing/grading
Receive car numbers
Load shipment
Weigh and grade shipment
Weighing and grading is optional in the case of destination weights and grades. Quality and Weight Certification standards apply here.
Report weights and grades
Receive weights and grades
Report weights and grades
Receive weights and grades
Send billing instructions
Create bill of lading
Bill of Lading standard applies here.


Release rail cars
Send shipment documents
Send bill of lading
Receive bill of lading
Ship load
Receive shipment documents
Receive shipment
Practically, this step is completed through receipt of the advance.
Report receipt of load documents
Receive report
Arrange for weighing/grading
Weigh and grade shipment
Weighing and grading is optional in the case of origin weights and grades.
Report weights and grades
Receive weight/grade report
Release cars to the railroad
Communicate unload information
Receive unload information
Settlement process follows.

11.3 Barge Shipment Use Case

Context of Use: A seller delivers a commodity to a buyer (one buyer; one seller; seller fullfills the roles of loading facility, shipper, and freight owner; the buyer fulfills the role of unloading facility).

Scope: Commodity seller operations, buyer operations, barge line operations, adn service provider operations.

Level: Summary

Primary Actor: Seller

Stakeholders and Interests
Seller: Receive payment for the commodity.
Buyer: Receive the contractually specified quantity of the commodity at the contractually specified quality.
Barge Line: Receive payment for shipping the commodity.
Barge Line's Agent: Receive payment for providing services.
Service Provider: Receive payment for providing services.
Loading Facility: Receive payment for loading the shipment.
Unloading Facility: Receive payment for unloading the shipment.

Success Guarantees: A commodity is delivered to the destination and all applicable paperwork is received by all parties.

Main Success Scenario

1. The freight owner prepares a barge-placement order and sends it to the barge line.
2. The barge line receives the order, places the barge(s) at the designated load site, and conveys load draft requirements to the loading facility.
3. The loading facility arranges for weighting and grading with a service provider (in accordance with the commodity contract terms or if desired), and requests loading instructions from the buyer.
4. The buyer sends loading instructions to the loading facility.
5. The loading facility receives the loading instructions from the buyer and loads the commodity.
6. The service provider weighs and grades the shipment if applicable and communicates the results to the loading facility. Most weights will be estimated draft weights.
7. The loading facility releases the barge to the freight provider, notifies the buyer that they have loaded a shipment against a commodity contract, forwards barge numbers to the buyer (if requested), and communicates the origin weights and

grades to the buyer (optional-generally just summary information).

8. The buyer sends billing instructions (bill of lading instructions) to the seller.
9. The barge line's agent creates a bill of lading and sends it to the barge line.
10. The barge line ships the load to the destination specified on the bill of lading.
11. The seller delivers all contractually required load documents (e.g. paper weight certificates, grade certificates, bills of lading, invoices, etc.) are delivered to the buyer. At this point, the lading acts as a transfer of title.
12. The buyer receives the load documents and confirms the receipt to the seller.
13. The unloading facility arranges for weighing and grading with a service provider (in accordance with the commodity contract terms or if desired) and unloads the shipment.
14. The service provider weighs and grades the shipment and commicates the weights and grades to the buyer (optionally to the seller as well).
15. The unloading facility releases the barge(s) to the barge line and communicates unload information to the seller (optional).

Extensions

9. Condition: The barge line can and wants to do its own bill of lading.

    a1. The barge line creates a bill of lading.

Notes

1. Sometimes the commodity is loaded without a buyer.
2. A service provider may be in-house, outside agency, or other third-party.
3. Weights and grades may be taken at origin, at destination, or both. Grades may be taken in transit. They may also be independently taken.
4. Sometimes the barges are released with the bill of lading and sometimes the barges are released with the bill of lading to follow.
5. The loading facility really refers to the loading facility's organization. This is especially applicable to where bills of lading are created.
6. The shipper is responsible for the bill of lading.
7. This use case does not apply to reconsignments or diversions.

11.4 Truck Shipment Use Case

Context of Use: A delivers a commodity to a buyer (one buyer; one seller; seller fullfills the roles of loading facility, shipper, and freight owner; the buyer fulfills the role of unloading facility).

Scope: Commodity seller operations, buyer operations, barge line operations, adn service provider operations.

Level: Summary

Primary Actor: Seller

Stakeholders and Interests
Seller: Receive payment for the commodity.
Buyer: Receive the contractually specified quantity of the commodity at the contractually specified quality.
Truck Line: Receive payment for shipping the commodity.
Service Provider: Receive payment for providing services.
Loading Facility: Receive payment for loading the shipment.
Unloading Facility: Receive payment for unloading the shipment.

Main Success Scenario

1. The freight owner prepares an truck-placement order and sends it to the truck line.
2. The truck line receives the order and places truck(s) at the designated load site.
3. The loading facility notifies the buyer that they are ready to load a shipment against a commodity contract and arranges for weighting and grading with an appropriate service provider (in accordance with the commodity contract terms or if desired).
4. The service provider weighs and grades the shipment and communicates the results to the loading facility.
5. The loading facility communicates the origin weights and grades to the buyer (this is an optional step and is generally sent with the truck).
6. The truck line ships the load.
7. The unloading facility arranges for weighing and grading with a service provider (if applicable).
8. The unloading facility unloads the shipment.
9. The service provider weighs and grades the shipment (if applicable) and communicates the results to the buyer (optionally to the seller).
10. All contractually required load documents (e.g. paper quality certificates, weight certificates, invoices, etc.) are delivered to the buyer.

11. The buyer receives the documents and sends a confirmation to the seller.

Notes

1. The shipper is responsible for the bill of lading.
2. This use case does not apply to reconsignments or diversions.
3. This use case assumes that the truck line is not owned by the seller or the buyer.
4. The loading/unloading facilities almost always do the weighing and grading.
5. A service provider may be in-house, outside agency, or other third-party.
6. Weights and grades may be taken at origin, at destination, or both. Grades may be taken in transit. They may also be independently taken.
7. Sometimes bills of lading are created but generally load weight certificates suffice.
8. "Loading facility" refers to the loading facility's organization. The distinction is especially applicable to the location where bills of lading are created.

11.5 Schema Documentation

schema location: C:\AgXML\Schemas\CommodityMovement.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
ApplicationAllocation
ApplicationInstruction
ApplicationSequence
ApplicationType
CommodityMovement
CommodityMovementActualQualityInformation
CommodityMovementActualWeightInformation
CommodityMovementBuyer
CommodityMovementCreateDateTime
CommodityMovementLastUpdateDateTime
CommodityMovementQualityInformation
CommodityMovementQualityInstructionInformation
CommodityMovementSeller
CommodityMovementStatus
CommodityMovementType
CommodityMovementWeightInformation
CommodityMovementWeightInstructionInformation
ContractIdentifier
Destination
FreightCarrier
FreightRate
FreightRateAuthorityIdentifier
FreightRateAuthorityType
FreightRateInformation
FreightRateItemIdentifier
LoadDateTime
Origin
PercentAllocation
Price
Quantity
QuantityAllocation
QuantityDeterminationMethod
SellerApplicationSequence
ShipmentInformation
ShipmentSize
Shipper
UnloadDateTime

schema location: C:\AgXML\Schemas\QualityCertificate.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
InspectionClassCode
InspectionDateTime
InspectionLevelType
InspectionProviderType
InspectionServiceProvider
Inspector
LotQuantity
NotifyParty
OldQualityCertificateIdentifier
ProbeSampleDepth
QualityCertificate
QualityCertificateDetail
QualityCertificateHeader

QualityCertificateIdentifier
QualityCertificateLine
QualityCertificateStatus
SampleIdentifier
SampleInformation
SampleMethod
SampleOfficialCategory
SampleTakenDateTime
SampleWeight
ServiceRequester

schema location: C:\AgXML\Schemas\WeightCertificate.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommodityOwner
EstimatedWeightIndicator
GrossWeight
NetWeight
TareWeight
TruckDriverStatus
WeighMaster
WeightCertificate
WeightCertificateDetail
WeightCertificateHeader
WeightCertificateLine
WeightClassCode
WeightEndDateTime
WeightServiceProvider
WeightStartDateTime

schema location: C:\AgXML\Schemas\cCertificateInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
BatchIndicator
CommodityLocation
CommodityMovementIdentifier
Date
EquipmentType
FormIdentifier
FormIdentifierSource
FormInformation
FormVersion
IssueDateTime
IssuedFrom
RailOrBargeAlphaPrefix
RailShipmentIdentifier
ServiceEvent
ServiceOfficialCategory
Time
TransportationMode
VehicleIdentification
VehicleIdentifier
VehicleIdentifierType
Weight
WeightCertificateIdentifier

schema location: C:\AgXML\Schemas\cCommodityInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommodityClass
CommodityGroup
CommodityInformation
CommodityName
CommodityNameCode
CommoditySpecialGrade
CommodityStandardGrade
CommodityStandardGradeOptionalDesignation
CommodityStandardsAuthorityCode
CommoditySubClass
ConditionExistsFlag
QualityFactorCode
QualityFactorMeasurement
QualityFactorName
QualityFactorValue
QualityInformation
Remark
StandardTransportationCommodityCode

schema location: C:\AgXML\Schemas\cContactInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommunicationCode
CommunicationInformation
CommunicationMethod
ContactInformation
ContactName
JobTitle

schema location: C:\AgXML\Schemas\cEntityInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
EntityIdentifier
EntityInformation
EntityName
EntityType

schema location: C:\AgXML\Schemas\Glossary.xsd
targetNamespace: **http://www.agxml.org/schemas**

schema location: C:\AgXML\Schemas\dtCommodityClass.xsd

targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityClass

schema location: **C:\AgXML\Schemas\dtCommodityGroup.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityGroup

schema location: **C:\AgXML\Schemas\dtCommodityName.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityName

schema location: **C:\AgXML\Schemas\dtCommodityNameCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityNameCode

schema location: **C:\AgXML\Schemas\dtCommoditySpecialGrade.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySpecialGrade

schema location: **C:\AgXML\Schemas\dtCommodityStandardGrade.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGrade

schema location: **C:\AgXML\Schemas\dtCommodityStandardGradeOptionalDesignation.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGradeOptionalDesignation

schema location: **C:\AgXML\Schemas\dtCommodityStandardsAuthorityCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardsAuthorityCode

schema location: **C:\AgXML\Schemas\dtCommoditySubClass.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySubClass

schema location: **C:\AgXML\Schemas\dtQualityFactorCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorCode

schema location: **C:\AgXML\Schemas\dtQualityFactorName.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorName

schema location: **C:\AgXML\Schemas\dtQualityFactorUnitOfMeasure.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorUnitOfMeasure

schema location: **C:\AgXML\Schemas\dtRemarkType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RemarkType

schema location: C:\AgXML\Schemas\dtCommunicationMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommunicationMethod

schema location: C:\AgXML\Schemas\cAddress.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
Address
AddressLine
City
CountryCode
CountryRegionCode
County
CountyFIPSCode
PostalCode

schema location: C:\AgXML\Schemas\cLocationInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
LocationIdentifier
LocationInformation
LocationName
LocationType

schema location: C:\AgXML\Schemas\dtEntityType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
EntityType

schema location: C:\AgXML\Schemas\dtApplicationType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ApplicationType

schema location: C:\AgXML\Schemas\dtBasisLocationMarket.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BasisLocationMarket

schema location: C:\AgXML\Schemas\dtBillOfLadingIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingIdentifierType

schema location: C:\AgXML\Schemas\dtBillOfLadingType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingType

schema location: C:\AgXML\Schemas\dtBuyerSellerCall.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BuyerSellerCall

schema location: C:\AgXML\Schemas\dtCommodityUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityUnitOfMeasure

schema location: C:\AgXML\Schemas\dtContractOriginator.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ContractOriginator

schema location: C:\AgXML\Schemas\dtCountryCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryCode

schema location: **C:\AgXML\Schemas\dtCountryRegionCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryRegionCode

schema location: **C:\AgXML\Schemas\dtCurrencyCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CurrencyCode

schema location: **C:\AgXML\Schemas\dtDeliveryBasis.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DeliveryBasis

schema location: **C:\AgXML\Schemas\dtDistanceUnitOfMeasure.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DistanceUnitOfMeasure

schema location: **C:\AgXML\Schemas\dtEquipmentType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
EquipmentType

schema location: **C:\AgXML\Schemas\dtFreightPaymentTermType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightPaymentTermType

schema location: C:\AgXML\Schemas\dtFreightRateAuthorityType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightRateAuthorityType

schema location: C:\AgXML\Schemas\dtFuturesCommodityCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityCode

schema location: C:\AgXML\Schemas\dtFuturesCommodityName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityName

schema location: C:\AgXML\Schemas\dtFuturesExchangeCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesExchangeCode

schema location: C:\AgXML\Schemas\dtGoverningTradeRules.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GoverningTradeRules

schema location: C:\AgXML\Schemas\dtGradesToGovern.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GradesToGovern

schema location: C:\AgXML\Schemas\dtIdentifierSource.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
IdentifierSource

schema location: C:\AgXML\Schemas\dtInspectionClassCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionClassCode

schema location: C:\AgXML\Schemas\dtInspectionLevelType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionLevelType

schema location: C:\AgXML\Schemas\dtInspectionProviderType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionProviderType

schema location: C:\AgXML\Schemas\dtLocationType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
LocationType

schema location: C:\AgXML\Schemas\dtMonthsOfYear.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
MonthsOfYear

schema location: C:\AgXML\Schemas\dtPaymentTermType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PaymentTermType

schema location: **C:\AgXML\Schemas\dtPermitIdentifierType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PermitIdentifierType

schema location: **C:\AgXML\Schemas\dtPremiumAndDiscountLimitCondition.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountLimitCondition

schema location: **C:\AgXML\Schemas\dtPremiumAndDiscountMeasurementType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountMeasurementType

schema location: **C:\AgXML\Schemas\dtPremiumAndDiscountQuantityType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountQuantityType

schema location: **C:\AgXML\Schemas\dtPricingCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingCode

schema location: **C:\AgXML\Schemas\dtPricingMethod.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingMethod

schema location: **C:\AgXML\Schemas\dtPriceType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PriceType

schema location: **C:\AgXML\Schemas\dtQualityCertificateStatus.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityCertificateStatus

schema location: **C:\AgXML\Schemas\dtQualityGrouping.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityGrouping

schema location: **C:\AgXML\Schemas\dtQuantityDeterminationMethod.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QuantityDeterminationMethod

schema location: **C:\AgXML\Schemas\dtRouteCarrierSequence.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteCarrierSequence

schema location: **C:\AgXML\Schemas\dtRouteType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteType

schema location: C:\AgXML\Schemas\dtSampleMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleMethod

schema location: C:\AgXML\Schemas\dtSampleOfficialCategory.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleOfficialCategory

schema location: C:\AgXML\Schemas\dtScheduleEvent.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ScheduleEvent

schema location: C:\AgXML\Schemas\dtServiceEvent.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceEvent

schema location: C:\AgXML\Schemas\dtServiceOfficialCategory.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceOfficialCategory

schema location: C:\AgXML\Schemas\dtSpecialHandlingService.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialHandlingService

schema location: C:\AgXML\Schemas\dtSpecialTermName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialTermName

schema location: C:\AgXML\Schemas\dtStandardTransportationCommodityCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
StandardTransportationCommodityCode

schema location: C:\AgXML\Schemas\dtTimeUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TimeUnitOfMeasure

schema location: C:\AgXML\Schemas\dtTolerancePricingTerm.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TolerancePricingTerm

schema location: C:\AgXML\Schemas\dtTransportationMode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationMode

schema location: C:\AgXML\Schemas\dtTransportationProvider.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationProvider

schema location: C:\AgXML\Schemas\dtTransportationUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationUnitOfMeasure

schema location: **C:\AgXML\Schemas\dtTruckDriverStatus.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TruckDriverStatus

schema location: **C:\AgXML\Schemas\dtCommodityMovementStatus.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementStatus

schema location: **C:\AgXML\Schemas\dtCommodityMovementType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementType

schema location: **C:\AgXML\Schemas\dtVehicleIdentifierType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
VehicleIdentifierType

schema location: **C:\AgXML\Schemas\dtWeightClassCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightClassCode

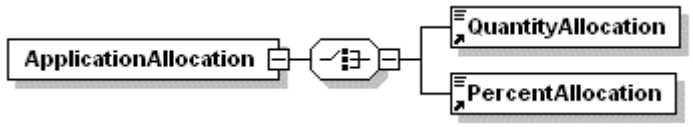
schema location: **C:\AgXML\Schemas\dtWeightsToGovern.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightsToGovern

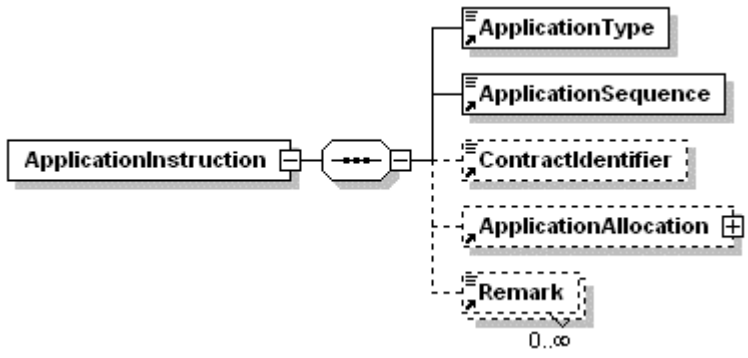
schema location: C:\AgXML\Schemas\dtWeightUnitofMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightUnitOfMeasure

element **ApplicationAllocation**

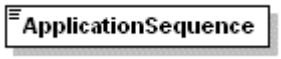
diagram	
namespace	http://www.agxml.org/schemas
children	**QuantityAllocation** **PercentAllocation**
used by	element **ApplicationInstruction**
source	<xsd:element name="ApplicationAllocation"> <xsd:complexType> <xsd:choice> <xsd:element ref="QuantityAllocation"/> <xsd:element ref="PercentAllocation"/> </xsd:choice> </xsd:complexType> </xsd:element>

element **ApplicationInstruction**

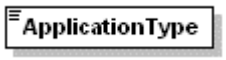
diagram	
namespace	http://www.agxml.org/schemas
children	**ApplicationType** **ApplicationSequence** **ContractIdentifier** **ApplicationAllocation** **Remark**
used by	elements **CommodityMovementBuyer** **CommodityMovementSeller**
source	<xsd:element name="ApplicationInstruction"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ApplicationType"/> <xsd:element ref="ApplicationSequence"/> <xsd:element ref="ContractIdentifier" minOccurs="0"/>

```
      <xsd:element ref="ApplicationAllocation" minOccurs="0"/>
      <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

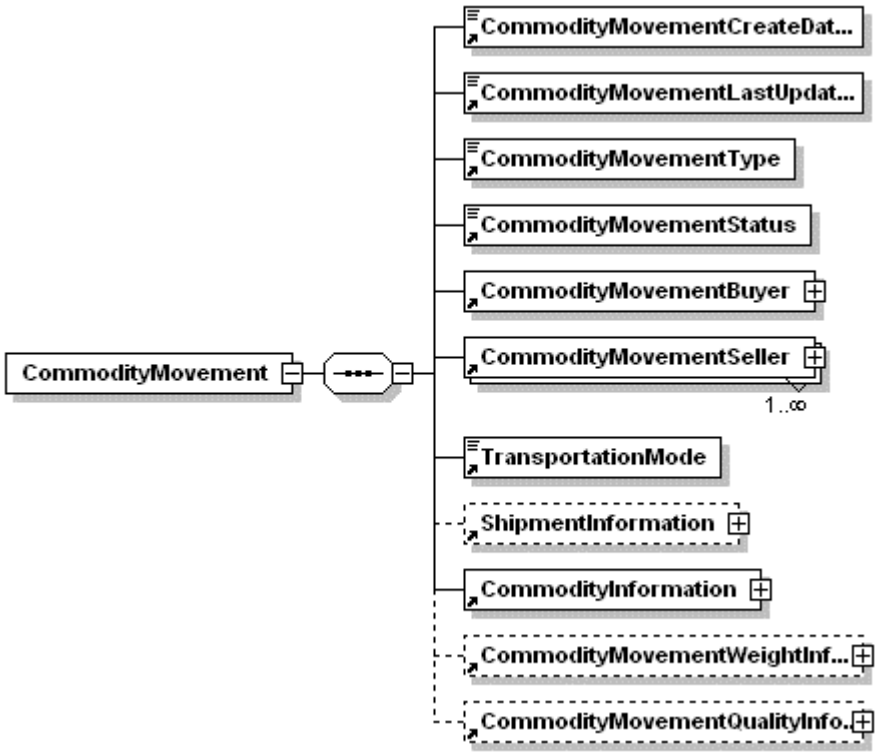
element **ApplicationSequence**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:integer**
used by	element **ApplicationInstruction**
source	<xsd:element name="ApplicationSequence" type="xsd:integer"/>

element **ApplicationType**

diagram	
namespace	http://www.agxml.org/schemas
type	**ApplicationType**
used by	element **ApplicationInstruction**
facets	enumeration Deferred Price enumeration Grain Bank enumeration Hold Payment enumeration Open Contract enumeration Specific Contract enumeration Spot End of Day enumeration Spot Immediate enumeration Storage enumeration Warehouse Receipt enumeration Unapplied/Hold
source	<xsd:element name="ApplicationType" type="ApplicationType"/>

element **CommodityMovement**

diagram	
namespace	http://www.agxml.org/schemas
children	CommodityMovementCreateDateTime CommodityMovementLastUpdateDateTime CommodityMovementType CommodityMovementStatus CommodityMovementBuyer CommodityMovementSeller TransportationMode ShipmentInformation CommodityInformation CommodityMovementWeightInformation CommodityMovementQualityInformation
source	<xsd:element name="CommodityMovement"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommodityMovementCreateDateTime"/> <xsd:element ref="CommodityMovementLastUpdateDateTime"/> <xsd:element ref="CommodityMovementType"/> <xsd:element ref="CommodityMovementStatus"/> <xsd:element ref="CommodityMovementBuyer"/> <xsd:element ref="CommodityMovementSeller" maxOccurs="unbounded"/> <xsd:element ref="TransportationMode"/> <xsd:element ref="ShipmentInformation" minOccurs="0"/> <xsd:element ref="CommodityInformation"/> <xsd:element ref="CommodityMovementWeightInformation" minOccurs="0"/> <xsd:element ref="CommodityMovementQualityInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityMovementActualQualityInformation**

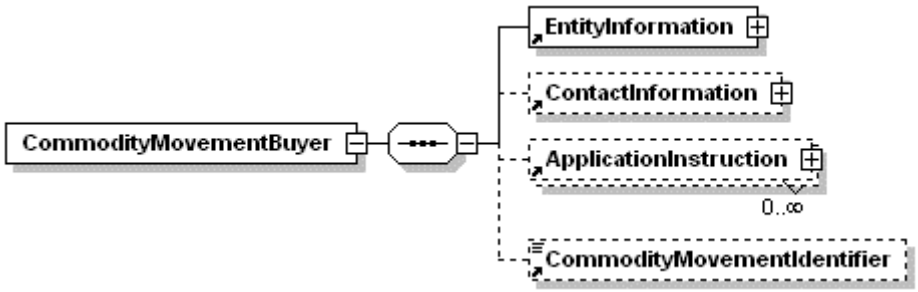
diagram	

namespace	http://www.agxml.org/schemas
children	QualityCertificate
used by	element CommodityMovementQualityInformation
source	<xsd:element name="CommodityMovementActualQualityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="QualityCertificate"/> </xsd:sequence> </xsd:complexType> </xsd:element>

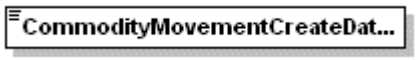
element **CommodityMovementActualWeightInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	WeightCertificate
used by	element CommodityMovementWeightInformation
source	<xsd:element name="CommodityMovementActualWeightInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="WeightCertificate"/> </xsd:sequence> </xsd:complexType> </xsd:element>

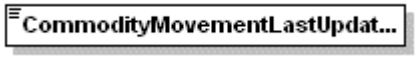
element **CommodityMovementBuyer**

diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation ApplicationInstruction CommodityMovementIdentifier
used by	element CommodityMovement
source	<xsd:element name="CommodityMovementBuyer"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0"/> <xsd:element ref="ApplicationInstruction" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="CommodityMovementIdentifier" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

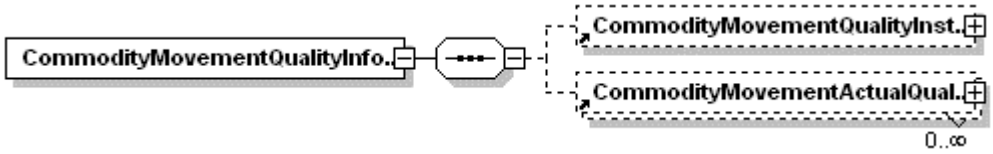
element **CommodityMovementCreateDateTime**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:dateTime**
used by	element **CommodityMovement**
source	<xsd:element name="CommodityMovementCreateDateTime" type="xsd:dateTime"/>

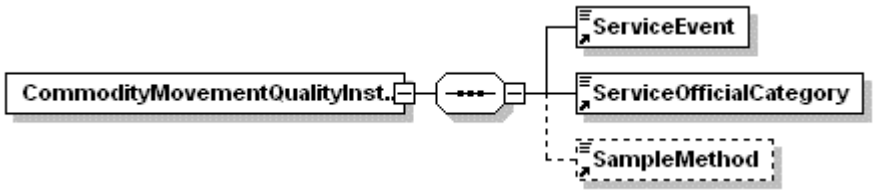
element **CommodityMovementLastUpdateDateTime**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:dateTime**
used by	element **CommodityMovement**
source	<xsd:element name="CommodityMovementLastUpdateDateTime" type="xsd:dateTime"/>

element **CommodityMovementQualityInformation**

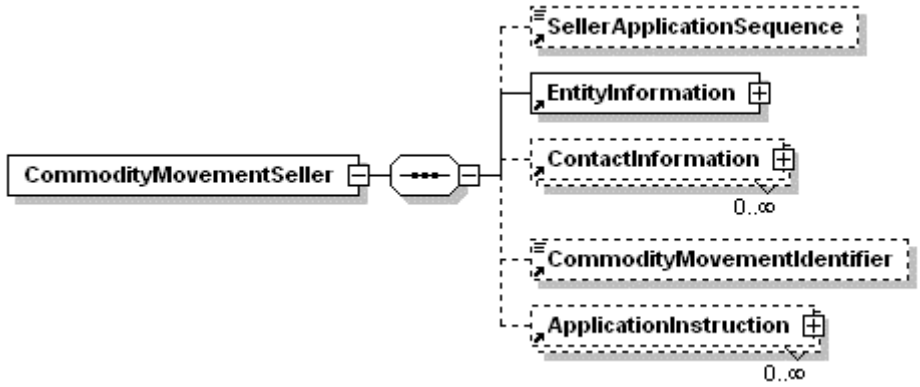
diagram	
namespace	http://www.agxml.org/schemas
children	**CommodityMovementQualityInstructionInformation** **CommodityMovementActualQualityInformation**
used by	element **CommodityMovement**
source	<xsd:element name="CommodityMovementQualityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommodityMovementQualityInstructionInformation" minOccurs="0"/> <xsd:element ref="CommodityMovementActualQualityInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityMovementQualityInstructionInformation**

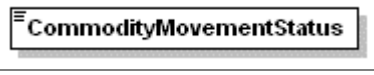
diagram	

namespace	http://www.agxml.org/schemas
children	ServiceEvent ServiceOfficialCategory SampleMethod
used by	element CommodityMovementQualityInformation
source	<xsd:element name="CommodityMovementQualityInstructionInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="ServiceEvent"/> <xsd:element ref="ServiceOfficialCategory"/> <xsd:element ref="SampleMethod" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityMovementSeller**

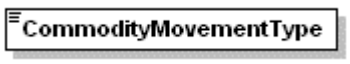
diagram	
namespace	http://www.agxml.org/schemas
children	SellerApplicationSequence EntityInformation ContactInformation CommodityMovementIdentifier ApplicationInstruction
used by	element CommodityMovement
source	<xsd:element name="CommodityMovementSeller"> <xsd:complexType> <xsd:sequence> <xsd:element ref="SellerApplicationSequence" minOccurs="0"/> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="CommodityMovementIdentifier" minOccurs="0"/> <xsd:element ref="ApplicationInstruction" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityMovementStatus**

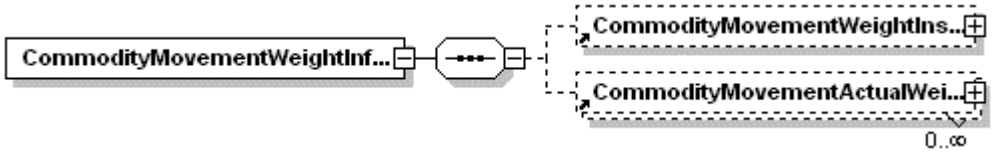
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityMovementStatus
used by	element CommodityMovement

facets	enumeration Complete Notification enumeration Disposition Notification enumeration Quality Notification enumeration Weight and Quality Notification enumeration Weight Notification
source	<xsd:element name="CommodityMovementStatus" type="CommodityMovementStatus"/>

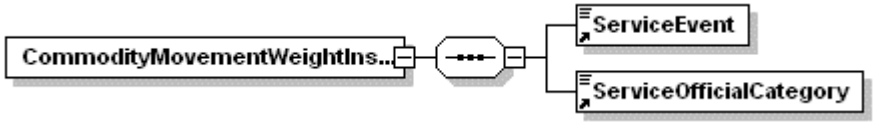
element **CommodityMovementType**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityMovementType
used by	element CommodityMovement
facets	enumeration Inbound enumeration In-store enumeration Outbound enumeration Paper Trade
source	<xsd:element name="CommodityMovementType" type="CommodityMovementType"/>

element **CommodityMovementWeightInformation**

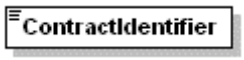
diagram	
namespace	http://www.agxml.org/schemas
children	CommodityMovementWeightInstructionInformation CommodityMovementActualWeightInformation
used by	element CommodityMovement
source	<xsd:element name="CommodityMovementWeightInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommodityMovementWeightInstructionInformation" minOccurs="0"/> <xsd:element ref="CommodityMovementActualWeightInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityMovementWeightInstructionInformation**

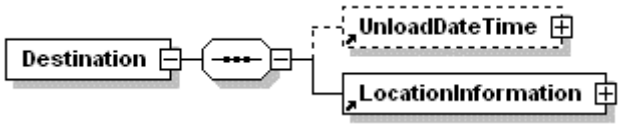
diagram	
namespace	http://www.agxml.org/schemas
children	ServiceEvent ServiceOfficialCategory
used by	element CommodityMovementWeightInformation
source	<xsd:element name="CommodityMovementWeightInstructionInformation">

```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="ServiceEvent"/>
    <xsd:element ref="ServiceOfficialCategory"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

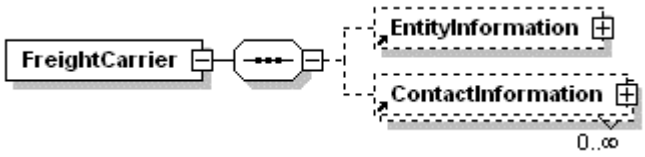
element **ContractIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ApplicationInstruction**
source	`<xsd:element name="ContractIdentifier" type="xsd:string"/>`

element **Destination**

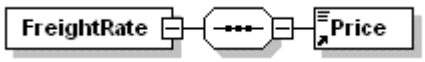
diagram	
namespace	http://www.agxml.org/schemas
children	**UnloadDateTime** **LocationInformation**
used by	element **ShipmentInformation**
source	<xsd:element name="Destination"> <xsd:complexType> <xsd:sequence> <xsd:element ref="UnloadDateTime" minOccurs="0"/> <xsd:element ref="LocationInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **FreightCarrier**

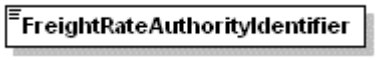
diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation** **ContactInformation**
used by	element **ShipmentInformation**
source	<xsd:element name="FreightCarrier"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation" minOccurs="0"/>

	<xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **FreightRate**

diagram	
namespace	http://www.agxml.org/schemas
children	**Price**
used by	element **FreightRateInformation**
source	<xsd:element name="FreightRate"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Price"/> </xsd:sequence> </xsd:complexType> </xsd:element>

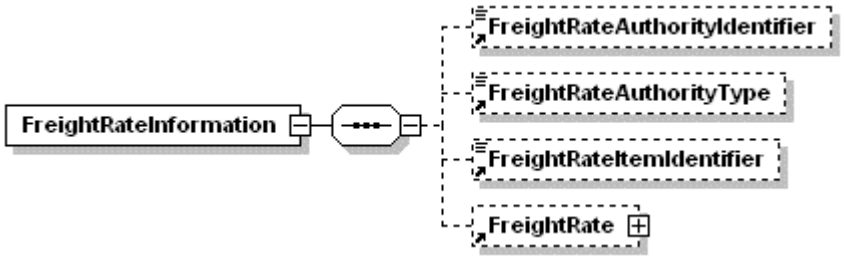
element **FreightRateAuthorityIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FreightRateInformation**
source	<xsd:element name="FreightRateAuthorityIdentifier" type="xsd:string"/>

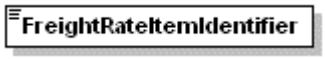
element **FreightRateAuthorityType**

diagram	
namespace	http://www.agxml.org/schemas
type	**FreightRateAuthorityType**
used by	element **FreightRateInformation**
facets	enumeration Contract enumeration Quote enumeration Rate enumeration Tariff
source	<xsd:element name="FreightRateAuthorityType" type="FreightRateAuthorityType"/>

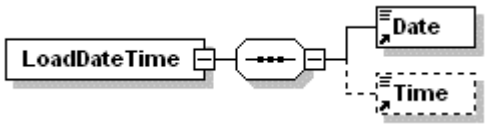
element **FreightRateInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	FreightRateAuthorityIdentifier FreightRateAuthorityType FreightRateItemIdentifier FreightRate
used by	element ShipmentInformation
source	<xsd:element name="FreightRateInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FreightRateAuthorityIdentifier" minOccurs="0"/> <xsd:element ref="FreightRateAuthorityType" minOccurs="0"/> <xsd:element ref="FreightRateItemIdentifier" minOccurs="0"/> <xsd:element ref="FreightRate" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **FreightRateItemIdentifier**

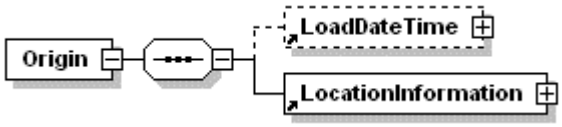
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element FreightRateInformation
source	<xsd:element name="FreightRateItemIdentifier" type="xsd:string"/>

element **LoadDateTime**

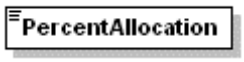
diagram	
namespace	http://www.agxml.org/schemas
children	Date Time
used by	element Origin
source	<xsd:element name="LoadDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence>

```
  </xsd:complexType>
</xsd:element>
```

element **Origin**

diagram	
namespace	http://www.agxml.org/schemas
children	**LoadDateTime** **LocationInformation**
used by	element **ShipmentInformation**
source	<xsd:element name="Origin"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LoadDateTime" minOccurs="0"/> <xsd:element ref="LocationInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **PercentAllocation**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:decimal**
used by	element **ApplicationAllocation**
source	<xsd:element name="PercentAllocation" type="xsd:decimal"/>

element **Price**

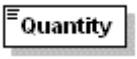
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **FreightRate**

attributes	Name	Type	Use	Default	Fixed
	currencyCode	CurrencyCode	optional		
	commodityUnitOfMeasure	xsd:string	optional		

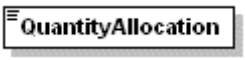
```
<xsd:element name="Price">
 <xsd:complexType>
  <xsd:simpleContent>
   <xsd:extension base="xsd:string">
    <xsd:attribute name="currencyCode" type="CurrencyCode" use="optional"/>
    <xsd:attribute name="commodityUnitOfMeasure" type="xsd:string" use="optional"/>
   </xsd:extension>
  </xsd:simpleContent>
 </xsd:complexType>
```

	</xsd:element>

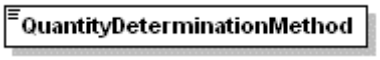
element **Quantity**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **ShipmentSize**
attributes	Name: commodityUnitOfMeasure; Type: xsd:string; Use: optional; Default: ; Fixed:
source	<xsd:element name="Quantity"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="commodityUnitOfMeasure" type="xsd:string" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **QuantityAllocation**

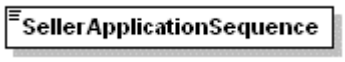
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **ApplicationAllocation**
attributes	Name: commodityUnitOfMeasure; Type: CommodityUnitOfMeasure; Use: optional; Default: ; Fixed:
source	<xsd:element name="QuantityAllocation"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **QuantityDeterminationMethod**

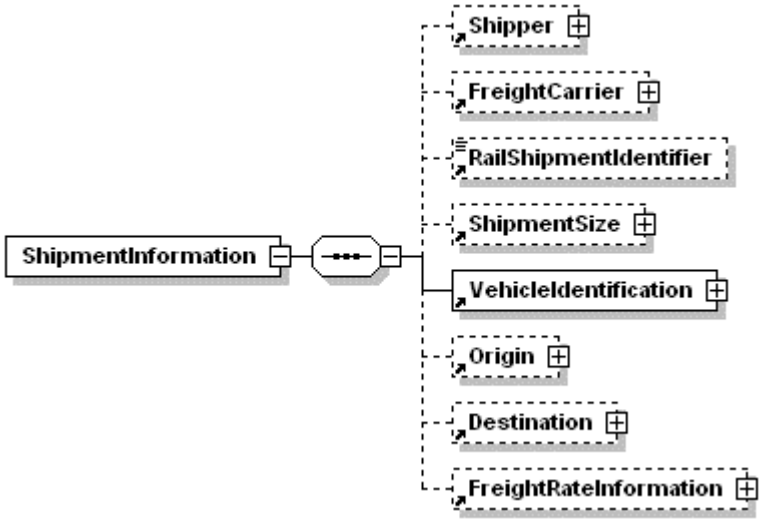
diagram	
namespace	http://www.agxml.org/schemas
type	**QuantityDeterminationMethod**
used by	element **ShipmentSize**
facets	enumeration Actual enumeration Draft enumeration Estimated

source	<xsd:element name="QuantityDeterminationMethod" type="QuantityDeterminationMethod"/>

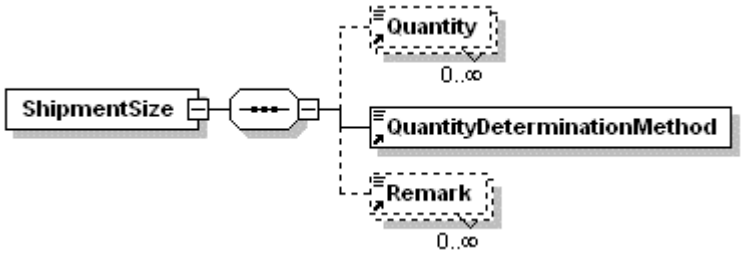
element **SellerApplicationSequence**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:integer**
used by	element **CommodityMovementSeller**
source	<xsd:element name="SellerApplicationSequence" type="xsd:integer"/>

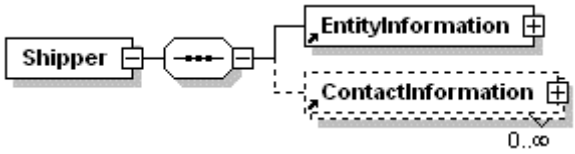
element **ShipmentInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**Shipper** **FreightCarrier** **RailShipmentIdentifier** **ShipmentSize** **VehicleIdentification** **Origin** **Destination** **FreightRateInformation**
used by	element **CommodityMovement**
source	<xsd:element name="ShipmentInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Shipper" minOccurs="0"/> <xsd:element ref="FreightCarrier" minOccurs="0"/> <xsd:element ref="RailShipmentIdentifier" minOccurs="0"/> <xsd:element ref="ShipmentSize" minOccurs="0"/> <xsd:element ref="VehicleIdentification"/> <xsd:element ref="Origin" minOccurs="0"/> <xsd:element ref="Destination" minOccurs="0"/> <xsd:element ref="FreightRateInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

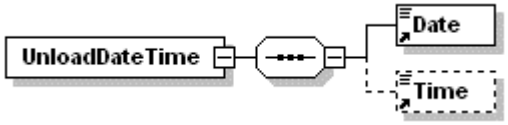
element **ShipmentSize**

diagram	
namespace	http://www.agxml.org/schemas
children	Quantity QuantityDeterminationMethod Remark
used by	element ShipmentInformation
source	<xsd:element name="ShipmentSize"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Quantity" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="QuantityDeterminationMethod"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **Shipper**

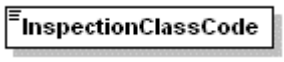
diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation
used by	element ShipmentInformation
source	<xsd:element name="Shipper"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **UnloadDateTime**

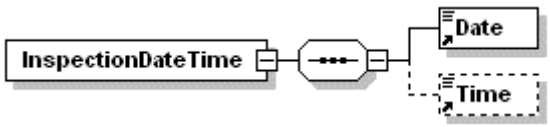
diagram	
namespace	http://www.agxml.org/schemas

children	Date Time
used by	element Destination
source	<xsd:element name="UnloadDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

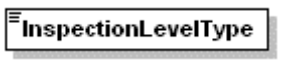
element **InspectionClassCode**

diagram	
namespace	http://www.agxml.org/schemas
type	InspectionClassCode
used by	element QualityCertificateHeader
facets	enumeration Affidavit enumeration A enumeration B enumeration C enumeration D enumeration E enumeration Other enumeration State Warehouse enumeration U.S. Warehouse Act
source	<xsd:element name="InspectionClassCode" type="InspectionClassCode"/>

element **InspectionDateTime**

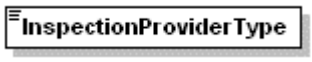
diagram	
namespace	http://www.agxml.org/schemas
children	Date Time
used by	element QualityCertificateHeader
source	<xsd:element name="InspectionDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **InspectionLevelType**

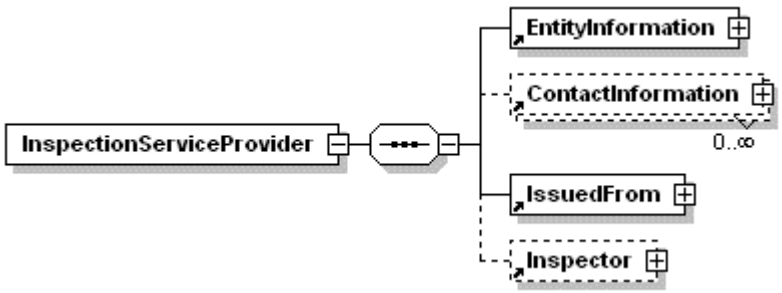
diagram	

namespace	http://www.agxml.org/schemas
type	InspectionLevelType
used by	element QualityCertificateHeader
facets	enumeration Appeal enumeration Board Appeal enumeration Original enumeration Reinspection enumeration Supervision
source	<xsd:element name="InspectionLevelType" type="InspectionLevelType"/>

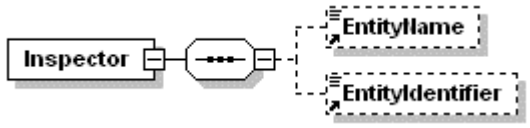
element **InspectionProviderType**

diagram	
namespace	http://www.agxml.org/schemas
type	InspectionProviderType
used by	element QualityCertificateHeader
facets	enumeration Federal enumeration House enumeration State enumeration Third Party
source	<xsd:element name="InspectionProviderType" type="InspectionProviderType"/>

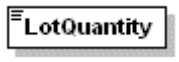
element **InspectionServiceProvider**

diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation IssuedFrom Inspector
used by	element QualityCertificateHeader
source	<xsd:element name="InspectionServiceProvider"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="IssuedFrom"/> <xsd:element ref="Inspector" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

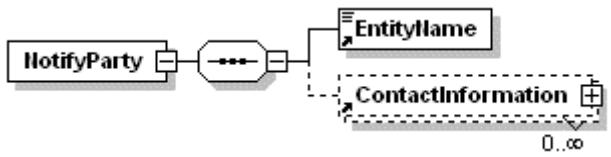
element **Inspector**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityName** **EntityIdentifier**
used by	element **InspectionServiceProvider**
source	<xsd:element name="Inspector"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityName" minOccurs="0"/> <xsd:element ref="EntityIdentifier" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **LotQuantity**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **QualityCertificateHeader**
attributes	Name: commodityUnitOfMeasure; Type: CommodityUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="LotQuantity"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **NotifyParty**

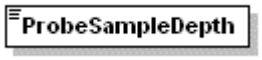
diagram	
namespace	http://www.agxml.org/schemas
children	**EntityName** **ContactInformation**
used by	element **QualityCertificateHeader**
source	<xsd:element name="NotifyParty">

```
<xsd:complexType>
 <xsd:sequence>
  <xsd:element ref="EntityName"/>
  <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/>
 </xsd:sequence>
</xsd:complexType>
</xsd:element>
```

element **OldQualityCertificateIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **QualityCertificateHeader**
source	`<xsd:element name="OldQualityCertificateIdentifier" type="xsd:string"/>`

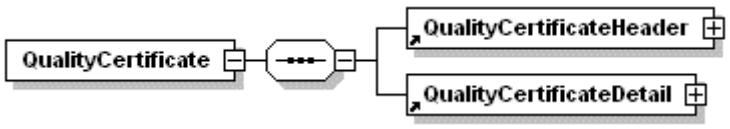
element **ProbeSampleDepth**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:integer**
used by	element **SampleInformation**
attributes	Name: distanceUnitOfMeasure; Type: DistanceUnitOfMeasure; Use: required; Default: ; Fixed:

source

```
<xsd:element name="ProbeSampleDepth">
 <xsd:complexType>
  <xsd:simpleContent>
   <xsd:extension base="xsd:integer">
    <xsd:attribute name="distanceUnitOfMeasure" type="DistanceUnitOfMeasure" use="required"/>
   </xsd:extension>
  </xsd:simpleContent>
 </xsd:complexType>
</xsd:element>
```

element **QualityCertificate**

diagram	
namespace	http://www.agxml.org/schemas
children	**QualityCertificateHeader** **QualityCertificateDetail**
used by	element **CommodityMovementActualQualityInformation**

source

```
<xsd:element name="QualityCertificate">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="QualityCertificateHeader"/>
```

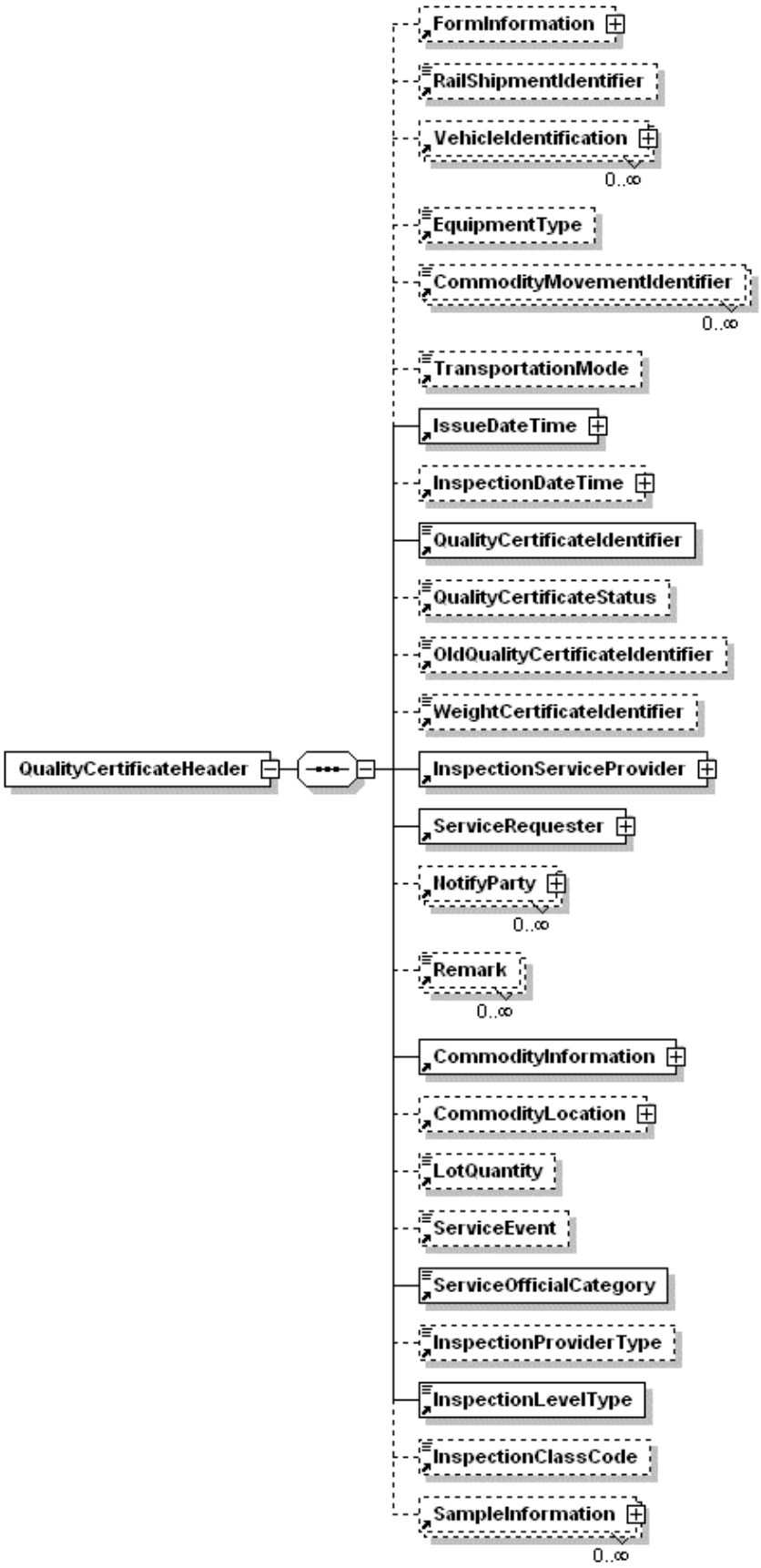
```
    <xsd:element ref="QualityCertificateDetail"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

element **QualityCertificateDetail**

diagram	
namespace	http://www.agxml.org/schemas
children	**QualityCertificateLine**
used by	element **QualityCertificate**
source	<xsd:element name="QualityCertificateDetail"> <xsd:complexType> <xsd:sequence minOccurs="0" maxOccurs="unbounded"> <xsd:element ref="QualityCertificateLine"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **QualityCertificateHeader**

diagram

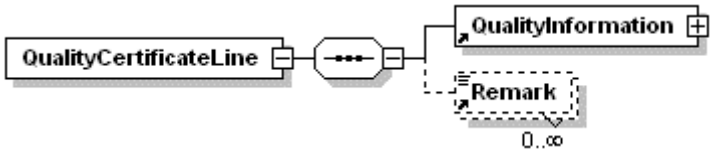

FormInformation
RailShipmentIdentifier
VehicleIdentification
0..∞
EquipmentType
CommodityMovementIdentifier
0..∞
TransportationMode
IssueDateTime
InspectionDateTime
QualityCertificateIdentifier
QualityCertificateStatus
OldQualityCertificateIdentifier
WeightCertificateIdentifier
QualityCertificateHeader
InspectionServiceProvider
ServiceRequester
NotifyParty
0..∞
Remark
0..∞
CommodityInformation
CommodityLocation
LotQuantity
ServiceEvent
ServiceOfficialCategory
InspectionProviderType
InspectionLevelType
InspectionClassCode
SampleInformation
0..∞

namespace	http://www.agxml.org/schemas
children	FormInformation RailShipmentIdentifier VehicleIdentification EquipmentType CommodityMovementIdentifier TransportationMode IssueDateTime InspectionDateTime QualityCertificateIdentifier QualityCertificateStatus OldQualityCertificateIdentifier WeightCertificateIdentifier InspectionServiceProvider ServiceRequester NotifyParty Remark CommodityInformation CommodityLocation LotQuantity ServiceEvent ServiceOfficialCategory InspectionProviderType InspectionLevelType InspectionClassCode SampleInformation
used by	element QualityCertificate
source	<xsd:element name="QualityCertificateHeader"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FormInformation" minOccurs="0"/> <xsd:element ref="RailShipmentIdentifier" minOccurs="0"/> <xsd:element ref="VehicleIdentification" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="EquipmentType" minOccurs="0"/> <xsd:element ref="CommodityMovementIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="TransportationMode" minOccurs="0"/> <xsd:element ref="IssueDateTime"/> <xsd:element ref="InspectionDateTime" minOccurs="0"/> <xsd:element ref="QualityCertificateIdentifier"/> <xsd:element ref="QualityCertificateStatus" minOccurs="0"/> <xsd:element ref="OldQualityCertificateIdentifier" minOccurs="0"/> <xsd:element ref="WeightCertificateIdentifier" minOccurs="0"/> <xsd:element ref="InspectionServiceProvider"/> <xsd:element ref="ServiceRequester"/> <xsd:element ref="NotifyParty" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="CommodityInformation"/> <xsd:element ref="CommodityLocation" minOccurs="0"/> <xsd:element ref="LotQuantity" minOccurs="0"/> <xsd:element ref="ServiceEvent" minOccurs="0"/> <xsd:element ref="ServiceOfficialCategory"/> <xsd:element ref="InspectionProviderType" minOccurs="0"/> <xsd:element ref="InspectionLevelType"/> <xsd:element ref="InspectionClassCode" minOccurs="0"/> <xsd:element ref="SampleInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **QualityCertificateIdentifier**

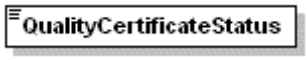
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element QualityCertificateHeader
source	<xsd:element name="QualityCertificateIdentifier" type="xsd:string"/>

element **QualityCertificateLine**

diagram	

namespace	http://www.agxml.org/schemas
children	QualityInformation Remark
used by	element QualityCertificateDetail
source	<xsd:element name="QualityCertificateLine"> <xsd:complexType> <xsd:sequence> <xsd:element ref="QualityInformation"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

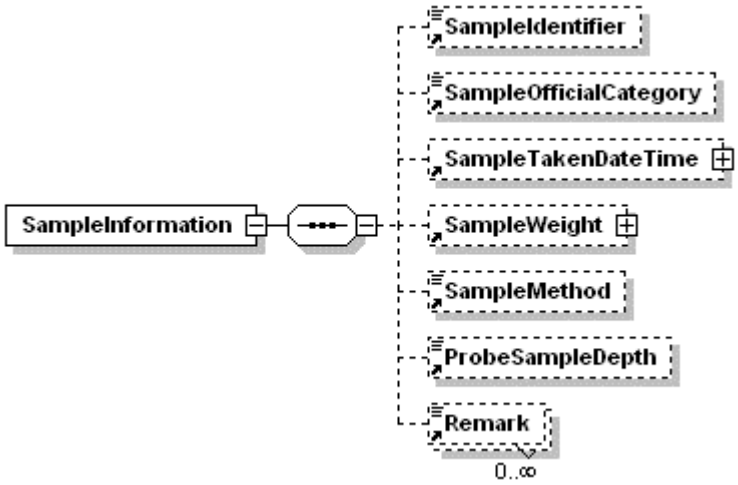
element **QualityCertificateStatus**

diagram	
namespace	http://www.agxml.org/schemas
type	QualityCertificateStatus
used by	element QualityCertificateHeader
facets	enumeration Canceled enumeration Corrected enumeration Original enumeration Re-issued enumeration Verified
source	<xsd:element name="QualityCertificateStatus" type="QualityCertificateStatus"/>

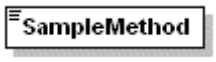
element **SampleIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element SampleInformation
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="SampleIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **SampleInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	SampleIdentifier SampleOfficialCategory SampleTakenDateTime SampleWeight SampleMethod ProbeSampleDepth Remark
used by	element QualityCertificateHeader
source	<xsd:element name="SampleInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="SampleIdentifier" minOccurs="0"/> <xsd:element ref="SampleOfficialCategory" minOccurs="0"/> <xsd:element ref="SampleTakenDateTime" minOccurs="0"/> <xsd:element ref="SampleWeight" minOccurs="0"/> <xsd:element ref="SampleMethod" minOccurs="0"/> <xsd:element ref="ProbeSampleDepth" minOccurs="0"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **SampleMethod**

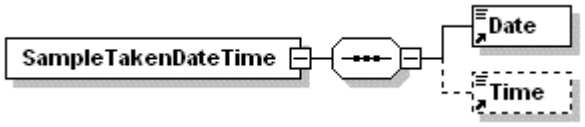
diagram	
namespace	http://www.agxml.org/schemas
type	SampleMethod
used by	elements CommodityMovementQualityInstructionInformation SampleInformation
facets	enumeration Belt enumeration Diverter enumeration Door enumeration Ellis Cup enumeration Mechanical Diverter enumeration Other enumeration Pelican enumeration Probe enumeration Shallow Probe enumeration Woodside

source	<xsd:element name="SampleMethod" type="SampleMethod"/>

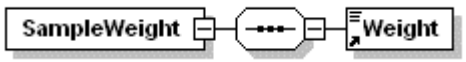
element **SampleOfficialCategory**

diagram	
namespace	http://www.agxml.org/schemas
type	SampleOfficialCategory
used by	element SampleInformation
facets	enumeration Official enumeration Submitted
source	<xsd:element name="SampleOfficialCategory" type="SampleOfficialCategory"/>

element **SampleTakenDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	Date Time
used by	element SampleInformation
source	<xsd:element name="SampleTakenDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

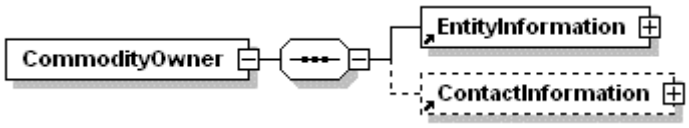
element **SampleWeight**

diagram	
namespace	http://www.agxml.org/schemas
children	Weight
used by	element SampleInformation
source	<xsd:element name="SampleWeight"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Weight"/> </xsd:sequence> </xsd:complexType> </xsd:element>

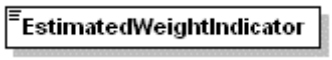
element **ServiceRequester**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation**
used by	element **QualityCertificateHeader**
source	<xsd:element name="ServiceRequester"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

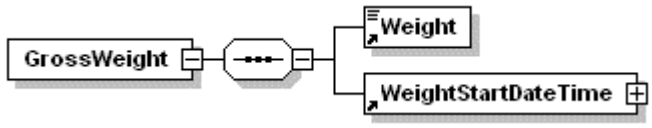
element **CommodityOwner**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation** **ContactInformation**
used by	element **WeightCertificateHeader**
source	<xsd:element name="CommodityOwner"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

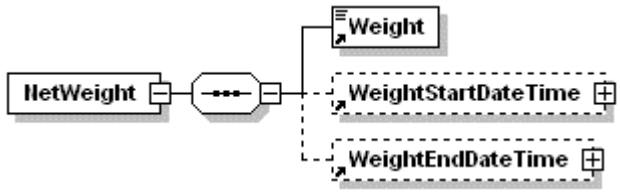
element **EstimatedWeightIndicator**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **WeightCertificateHeader**
source	<xsd:element name="EstimatedWeightIndicator" type="xsd:boolean"/>

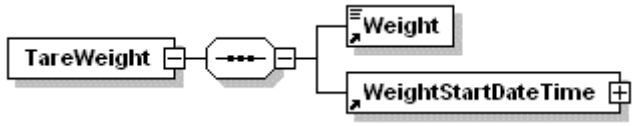
element **GrossWeight**

diagram	
namespace	http://www.agxml.org/schemas
children	**Weight** **WeightStartDateTime**
used by	element **WeightCertificateLine**
source	<xsd:element name="GrossWeight"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Weight"/> <xsd:element ref="WeightStartDateTime"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **NetWeight**

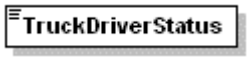
diagram	
namespace	http://www.agxml.org/schemas
children	**Weight** **WeightStartDateTime** **WeightEndDateTime**
used by	element **WeightCertificateLine**
source	<xsd:element name="NetWeight"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Weight"/> <xsd:element ref="WeightStartDateTime" minOccurs="0"/> <xsd:element ref="WeightEndDateTime" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **TareWeight**

diagram	
namespace	http://www.agxml.org/schemas
children	**Weight** **WeightStartDateTime**
used by	element **WeightCertificateLine**

source	<xsd:element name="TareWeight"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Weight"/> <xsd:element ref="WeightStartDateTime"/> </xsd:sequence> </xsd:complexType> </xsd:element>

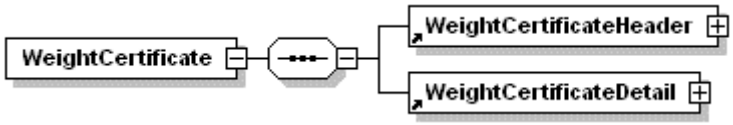
element **TruckDriverStatus**

diagram	
namespace	http://www.agxml.org/schemas
type	TruckDriverStatus
used by	element WeightCertificateHeader
facets	enumeration Off enumeration On enumeration Unknown
source	<xsd:element name="TruckDriverStatus" type="TruckDriverStatus"/>

element **WeighMaster**

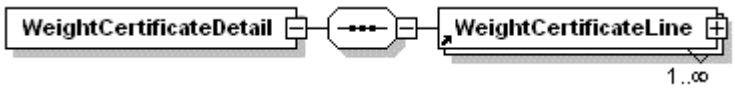
diagram	
namespace	http://www.agxml.org/schemas
children	EntityName
used by	element WeightServiceProvider
source	<xsd:element name="WeighMaster"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityName"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **WeightCertificate**

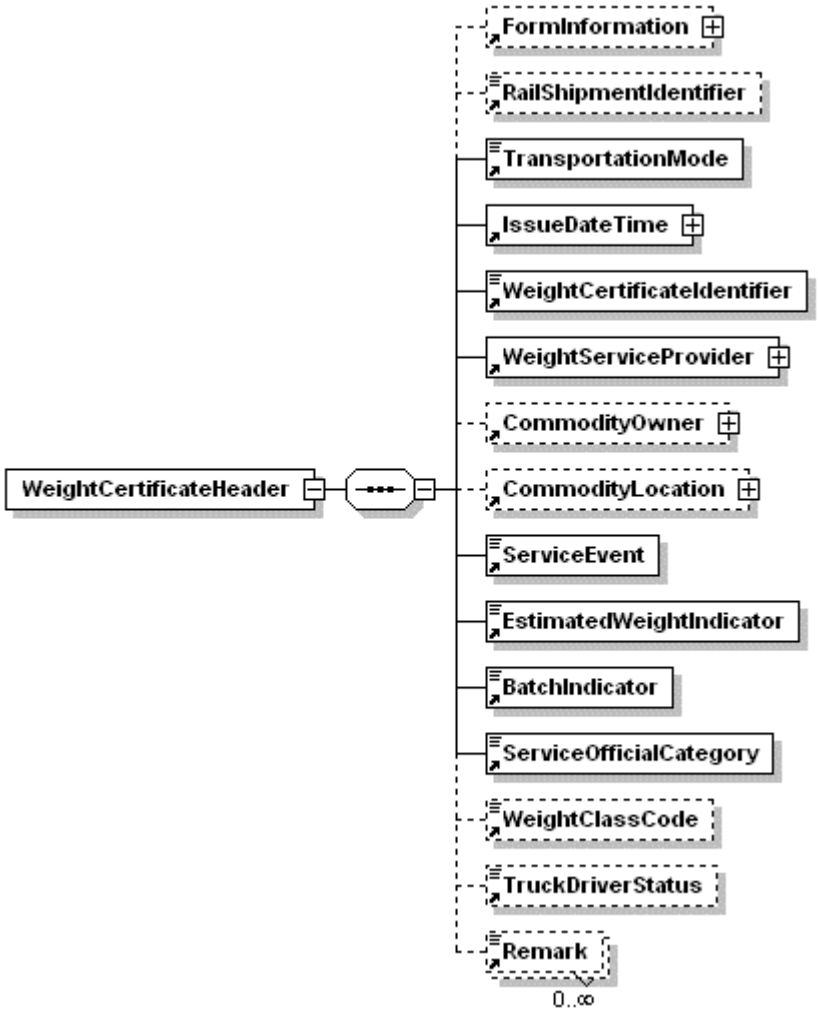
diagram	
namespace	http://www.agxml.org/schemas
children	WeightCertificateHeader WeightCertificateDetail
used by	element CommodityMovementActualWeightInformation
source	<xsd:element name="WeightCertificate"> <xsd:complexType> <xsd:sequence> <xsd:element ref="WeightCertificateHeader"/> <xsd:element ref="WeightCertificateDetail"/>

```
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

element **WeightCertificateDetail**

diagram	
namespace	http://www.agxml.org/schemas
children	**WeightCertificateLine**
used by	element **WeightCertificate**
source	<xsd:element name="WeightCertificateDetail"> <xsd:complexType> <xsd:sequence> <xsd:element ref="WeightCertificateLine" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

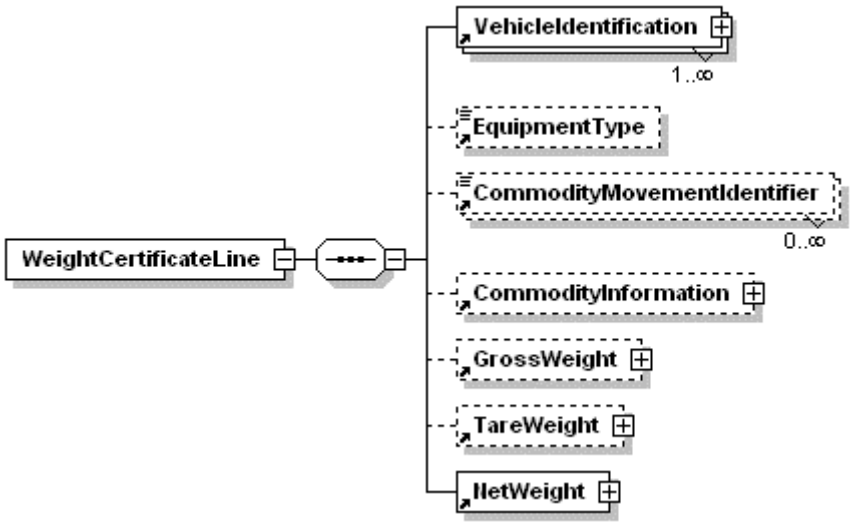
element **WeightCertificateHeader**

diagram	
namespace	http://www.agxml.org/schemas
children	FormInformation RailShipmentIdentifier TransportationMode IssueDateTime WeightCertificateIdentifier WeightServiceProvider CommodityOwner CommodityLocation ServiceEvent EstimatedWeightIndicator BatchIndicator ServiceOfficialCategory WeightClassCode TruckDriverStatus Remark
used by	element WeightCertificate
source	<xsd:element name="WeightCertificateHeader"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FormInformation" minOccurs="0"/> <xsd:element ref="RailShipmentIdentifier" minOccurs="0"/> <xsd:element ref="TransportationMode"/> <xsd:element ref="IssueDateTime"/> <xsd:element ref="WeightCertificateIdentifier"/> <xsd:element ref="WeightServiceProvider"/> <xsd:element ref="CommodityOwner" minOccurs="0"/> <xsd:element ref="CommodityLocation" minOccurs="0"/> <xsd:element ref="ServiceEvent"/> <xsd:element ref="EstimatedWeightIndicator"/> <xsd:element ref="BatchIndicator"/>

```
    <xsd:element ref="ServiceOfficialCategory"/>
    <xsd:element ref="WeightClassCode" minOccurs="0"/>
    <xsd:element ref="TruckDriverStatus" minOccurs="0"/>
    <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

element **WeightCertificateLine**

diagram



namespace: http://www.agxml.org/schemas

children: VehicleIdentification EquipmentType CommodityMovementIdentifier CommodityInformation GrossWeight TareWeight NetWeight

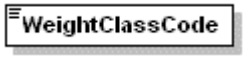
used by: element WeightCertificateDetail

source

```
<xsd:element name="WeightCertificateLine">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="VehicleIdentification" maxOccurs="unbounded"/>
   <xsd:element ref="EquipmentType" minOccurs="0"/>
   <xsd:element ref="CommodityMovementIdentifier" minOccurs="0" maxOccurs="unbounded"/>
   <xsd:element ref="CommodityInformation" minOccurs="0"/>
   <xsd:element ref="GrossWeight" minOccurs="0"/>
   <xsd:element ref="TareWeight" minOccurs="0"/>
   <xsd:element ref="NetWeight"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>
```

element **WeightClassCode**

diagram



namespace: http://www.agxml.org/schemas

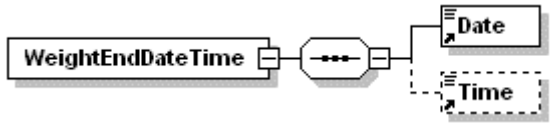
type: WeightClassCode

used by: element WeightCertificateHeader

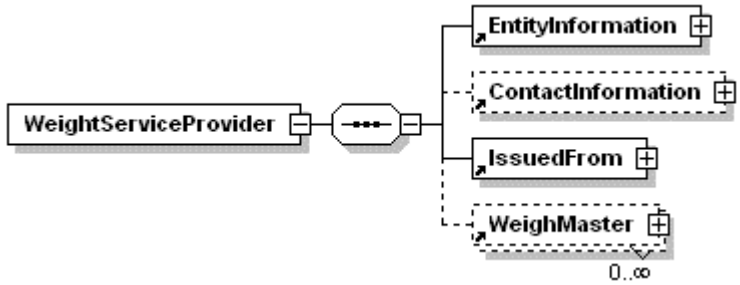
facets:
enumeration Affidavit
enumeration House

	enumeration House enumeration X enumeration Y enumeration 1 enumeration 2 enumeration 3
source	<xsd:element name="WeightClassCode" type="WeightClassCode"/>

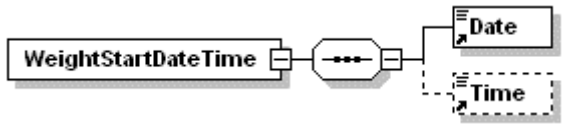
element **WeightEndDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	Date Time
used by	element NetWeight
source	<xsd:element name="WeightEndDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **WeightServiceProvider**

diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation IssuedFrom WeighMaster
used by	element WeightCertificateHeader
source	<xsd:element name="WeightServiceProvider"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0"/> <xsd:element ref="IssuedFrom"/> <xsd:element ref="WeighMaster" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

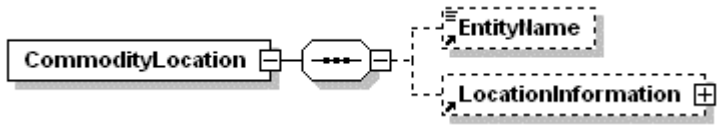
element **WeightStartDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	**Date** **Time**
used by	elements **GrossWeight** **NetWeight** **TareWeight**
source	<xsd:element name="WeightStartDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **BatchIndicator**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **WeightCertificateHeader**
source	<xsd:element name="BatchIndicator" type="xsd:boolean"/>

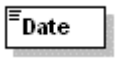
element **CommodityLocation**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityName** **LocationInformation**
used by	elements **QualityCertificateHeader** **WeightCertificateHeader**
source	<xsd:element name="CommodityLocation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityName" minOccurs="0"/> <xsd:element ref="LocationInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityMovementIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	elements **CommodityMovementBuyer** **CommodityMovementSeller** **QualityCertificateHeader** **WeightCertificateLine**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="CommodityMovementIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **Date**

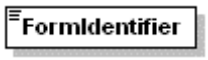
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:date**
used by	elements **InspectionDateTime** **IssueDateTime** **LoadDateTime** **SampleTakenDateTime** **UnloadDateTime** **WeightEndDateTime** **WeightStartDateTime**
source	<xsd:element name="Date" type="xsd:date"/>

element **EquipmentType**

diagram	
namespace	http://www.agxml.org/schemas
type	**EquipmentType**
used by	elements **QualityCertificateHeader** **WeightCertificateLine**
facets	enumeration Auger enumeration Barge enumeration Box enumeration Container enumeration Covered Hopper enumeration Double Trailer enumeration Flat-Bed enumeration Hi-Cube enumeration Hydrolic enumeration Lash Barge enumeration Laker enumeration Open Hopper enumeration Other enumeration Panamax enumeration Rake enumeration Rail

	enumeration Sacked enumeration Self-Trimming enumeration Self-Unloader enumeration Ship enumeration Small-Cube enumeration Tanker enumeration Truck enumeration Tween-Decker enumeration Unit Train
source	<xsd:element name="EquipmentType" type="EquipmentType"/>

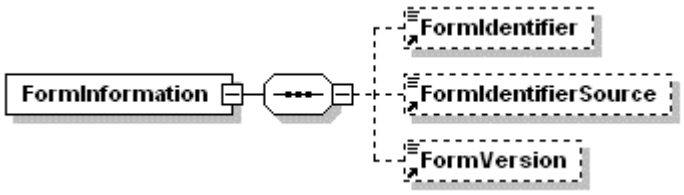
element **FormIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FormInformation**
source	<xsd:element name="FormIdentifier" type="xsd:string"/>

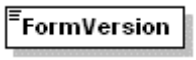
element **FormIdentifierSource**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FormInformation**
source	<xsd:element name="FormIdentifierSource" type="xsd:string"/>

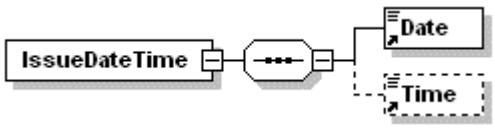
element **FormInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**FormIdentifier** **FormIdentifierSource** **FormVersion**
used by	elements **QualityCertificateHeader** **WeightCertificateHeader**
source	<xsd:element name="FormInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FormIdentifier" minOccurs="0"/> <xsd:element ref="FormIdentifierSource" minOccurs="0"/> <xsd:element ref="FormVersion" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

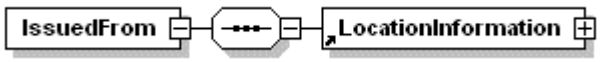
element **FormVersion**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FormInformation**
source	<xsd:element name="FormVersion" type="xsd:string"/>

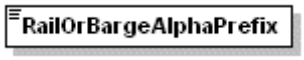
element **IssueDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	**Date** **Time**
used by	elements **QualityCertificateHeader** **WeightCertificateHeader**
source	<xsd:element name="IssueDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **IssuedFrom**

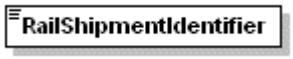
diagram	
namespace	http://www.agxml.org/schemas
children	**LocationInformation**
used by	elements **InspectionServiceProvider** **WeightServiceProvider**
source	<xsd:element name="IssuedFrom"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **RailOrBargeAlphaPrefix**

diagram	
namespace	http://www.agxml.org/schemas

type	**xsd:string**
used by	element VehicleIdentification
source	<xsd:element name="RailOrBargeAlphaPrefix" type="xsd:string"/>

element **RailShipmentIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements QualityCertificateHeader ShipmentInformation WeightCertificateHeader
source	<xsd:element name="RailShipmentIdentifier" type="xsd:string"/>

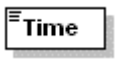
element **ServiceEvent**

diagram	
namespace	http://www.agxml.org/schemas
type	ServiceEvent
used by	elements CommodityMovementQualityInstructionInformation CommodityMovementWeightInstructionInformation QualityCertificateHeader WeightCertificateHeader
facets	enumeration Export enumeration Inbound enumeration Outbound enumeration Submitted enumeration Track
source	<xsd:element name="ServiceEvent" type="ServiceEvent"/>

element **ServiceOfficialCategory**

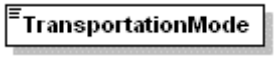
diagram	
namespace	http://www.agxml.org/schemas
type	ServiceOfficialCategory
used by	elements CommodityMovementQualityInstructionInformation CommodityMovementWeightInstructionInformation QualityCertificateHeader WeightCertificateHeader
facets	enumeration Certified enumeration Official enumeration Unofficial
source	<xsd:element name="ServiceOfficialCategory" type="ServiceOfficialCategory"/>

element **Time**

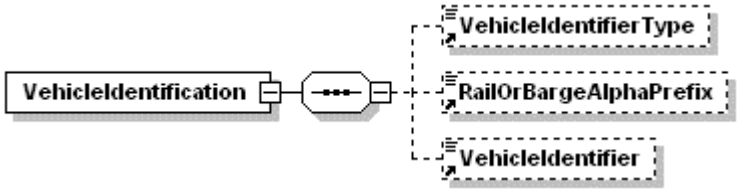
diagram	

namespace	http://www.agxml.org/schemas
type	**xsd:time**
used by	elements InspectionDateTime IssueDateTime LoadDateTime SampleTakenDateTime UnloadDateTime WeightEndDateTime WeightStartDateTime
source	<xsd:element name="Time" type="xsd:time"/>

element **TransportationMode**

diagram	
namespace	http://www.agxml.org/schemas
type	TransportationMode
used by	elements CommodityMovement QualityCertificateHeader WeightCertificateHeader
facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck enumeration Vessel
source	<xsd:element name="TransportationMode" type="TransportationMode"/>

element **VehicleIdentification**

diagram	
namespace	http://www.agxml.org/schemas
children	VehicleIdentifierType RailOrBargeAlphaPrefix VehicleIdentifier
used by	elements QualityCertificateHeader ShipmentInformation WeightCertificateLine
source	<xsd:element name="VehicleIdentification"> <xsd:complexType> <xsd:sequence> <xsd:element ref="VehicleIdentifierType" minOccurs="0"/> <xsd:element ref="RailOrBargeAlphaPrefix" minOccurs="0"/> <xsd:element ref="VehicleIdentifier" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **VehicleIdentifier**

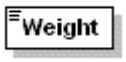
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element VehicleIdentification

source	<xsd:element name="VehicleIdentifier" type="xsd:string"/>

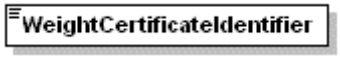
element **VehicleIdentifierType**

diagram	
namespace	http://www.agxml.org/schemas
type	VehicleIdentifierType
used by	element VehicleIdentification
facets	enumeration Barge enumeration Bar Code enumeration Bill of Lading enumeration Contract enumeration Description enumeration Driver Name enumeration Load Order enumeration Rail Car enumeration Scale Ticket enumeration Trailer License enumeration Truck License enumeration Vessel Hold enumeration Vessel Name
source	<xsd:element name="VehicleIdentifierType" type="VehicleIdentifierType"/>

element **Weight**

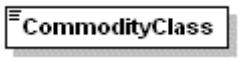
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	elements GrossWeight NetWeight SampleWeight TareWeight
attributes	Name: weightUnitOfMeasure; Type: WeightUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="Weight"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="weightUnitOfMeasure" type="WeightUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **WeightCertificateIdentifier**

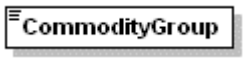
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements QualityCertificateHeader WeightCertificateHeader

source	<xsd:element name="WeightCertificateIdentifier" type="xsd:string"/>

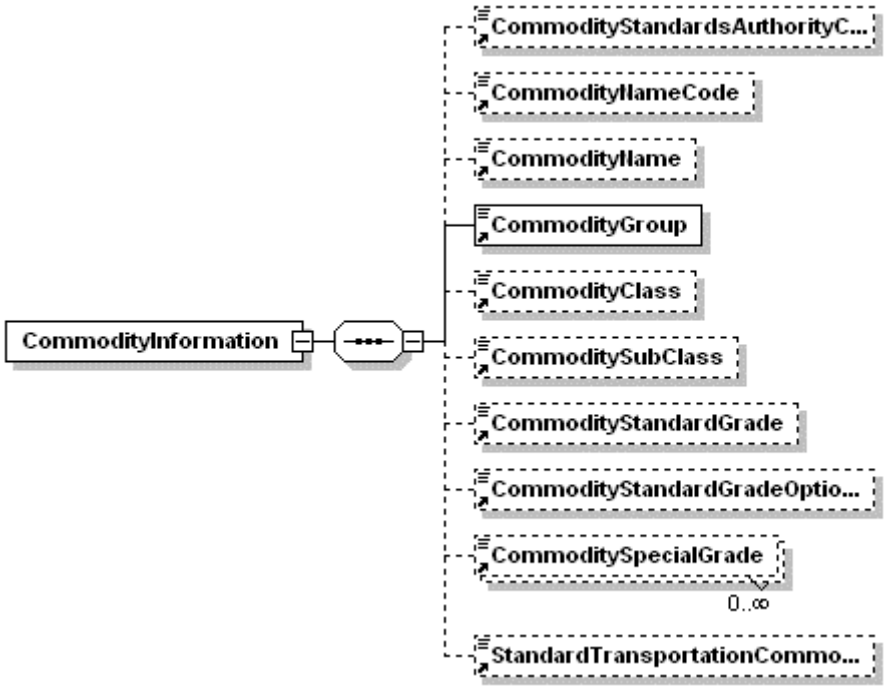
element **CommodityClass**

diagram	
namespace	http://www.agxml.org/schemas
type	**CommodityClass**
used by	element **CommodityInformation**
facets	enumeration Barley enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="CommodityClass" type="CommodityClass"/>

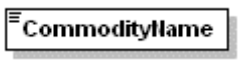
element **CommodityGroup**

diagram	
namespace	http://www.agxml.org/schemas
type	**CommodityGroup**
used by	element **CommodityInformation**
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain enumeration Non-standardized Grain enumeration Oats enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:element name="CommodityGroup" type="CommodityGroup"/>

element **CommodityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	CommodityStandardsAuthorityCode CommodityNameCode CommodityName CommodityGroup CommodityClass CommoditySubClass CommodityStandardGrade CommodityStandardGradeOptionalDesignation CommoditySpecialGrade StandardTransportationCommodityCode
used by	elements CommodityMovement QualityCertificateHeader WeightCertificateLine
source	<xsd:element name="CommodityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommodityStandardsAuthorityCode" minOccurs="0"/> <xsd:element ref="CommodityNameCode" minOccurs="0"/> <xsd:element ref="CommodityName" minOccurs="0"/> <xsd:element ref="CommodityGroup"/> <xsd:element ref="CommodityClass" minOccurs="0"/> <xsd:element ref="CommoditySubClass" minOccurs="0"/> <xsd:element ref="CommodityStandardGrade" minOccurs="0"/> <xsd:element ref="CommodityStandardGradeOptionalDesignation" minOccurs="0"/> <xsd:element ref="CommoditySpecialGrade" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="StandardTransportationCommodityCode" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityName**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityName

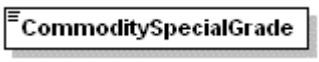
used by	element **CommodityInformation**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat enumeration White Corn enumeration White Sorghum enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="CommodityName" type="CommodityName"/>

element **CommodityNameCode**

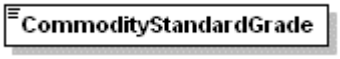
diagram	
namespace	http://www.agxml.org/schemas
type	**CommodityNameCode**
used by	element **CommodityInformation**
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K enumeration N enumeration NS enumeration O

	enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:element name="CommodityNameCode" type="CommodityNameCode"/>

element **CommoditySpecialGrade**

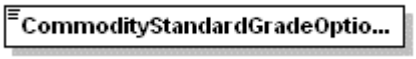
diagram	
namespace	http://www.agxml.org/schemas
type	CommoditySpecialGrade
used by	element CommodityInformation
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy
source	<xsd:element name="CommoditySpecialGrade" type="CommoditySpecialGrade"/>

element **CommodityStandardGrade**

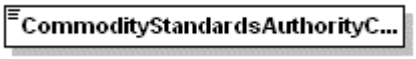
diagram	
namespace	http://www.agxml.org/schemas

type	CommodityStandardGrade
used by	element CommodityInformation
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5 enumeration U.S. Sample
source	<xsd:element name="CommodityStandardGrade" type="CommodityStandardGrade"/>

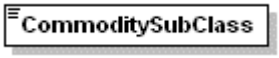
element **CommodityStandardGradeOptionalDesignation**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardGradeOptionalDesignation
used by	element CommodityInformation
facets	enumeration Or Better
source	<xsd:element name="CommodityStandardGradeOptionalDesignation" type="CommodityStandardGradeOptionalDesignation"/>

element **CommodityStandardsAuthorityCode**

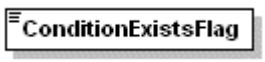
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardsAuthorityCode
used by	elements CommodityInformation QualityInformation
facets	enumeration GIPSA enumeration Industry
source	<xsd:element name="CommodityStandardsAuthorityCode" type="CommodityStandardsAuthorityCode"/>

element **CommoditySubClass**

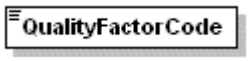
diagram	
namespace	http://www.agxml.org/schemas
type	CommoditySubClass
used by	element CommodityInformation
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley

	enumeration Soft White Wheat enumeration Two-rowed Barley enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:element name="CommoditySubClass" type="CommoditySubClass"/>

element **ConditionExistsFlag**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **QualityFactorMeasurement**
source	<xsd:element name="ConditionExistsFlag" type="xsd:boolean"/>

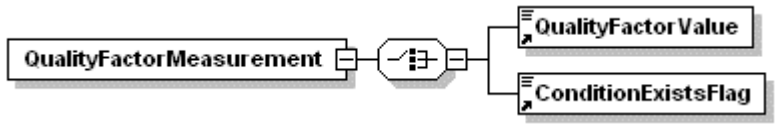
element **QualityFactorCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**QualityFactorCode**
used by	element **QualityInformation**
facets	enumeration ADM enumeration AFLATOXIN enumeration ANFL enumeration BADS enumeration BADW enumeration BC enumeration BCFM enumeration BLCH enumeration BLAL enumeration BLB enumeration BLIT enumeration BN enumeration BNFM enumeration BNS enumeration BRDX enumeration BRIT enumeration C enumeration CADM enumeration CBUR enumeration CCL enumeration CH enumeration CL enumeration COFO enumeration CROT enumeration CRSE enumeration CSF enumeration CSTB enumeration DEF enumeration DENT enumeration DGK enumeration DH enumeration DHV enumeration DIAT enumeration DISC enumeration DK

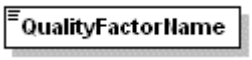
	enumeration	DK
	enumeration	DKT
	enumeration	DKG
	enumeration	DLQ
	enumeration	DYED
	enumeration	EHVY
	enumeration	ERC
	enumeration	ERG
	enumeration	FDK
	enumeration	FINE
	enumeration	FLIN
	enumeration	FLAD
	enumeration	FM
	enumeration	FMOR
	enumeration	FMOW
	enumeration	FMWR
	enumeration	FN
	enumeration	FSUB
	enumeration	GAR
	enumeration	GARB
	enumeration	GLAS
	enumeration	GERM
	enumeration	GLUC
	enumeration	GR
	enumeration	HARD
	enumeration	HT
	enumeration	HRS
	enumeration	HRW
	enumeration	HTG
	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF
	enumeration	IBHT
	enumeration	IBM
	enumeration	IDK
	enumeration	INF
	enumeration	LGAR
	enumeration	LGST
	enumeration	LIME
	enumeration	LSM
	enumeration	LW
	enumeration	M
	enumeration	MB
	enumeration	MDK
	enumeration	MDKG
	enumeration	MOTH
	enumeration	MSFM
	enumeration	MUST
	enumeration	MWTH
	enumeration	NSG
	enumeration	OCL
	enumeration	OCOL
	enumeration	ODK
	enumeration	ODOR
	enumeration	OG
	enumeration	OIL
	enumeration	OLI
	enumeration	OT
	enumeration	OWH
	enumeration	PL
	enumeration	PMS
	enumeration	PROT
	enumeration	RODX
	enumeration	SB
	enumeration	SBAL

	enumeration SBLY enumeration SBOC enumeration SC enumeration SCOR enumeration SCT enumeration SCL enumeration SG enumeration SHBN enumeration SKBN enumeration SKD enumeration SLW enumeration SMUT enumeration SMT enumeration SO enumeration SOUR enumeration SPL enumeration SS enumeration STON enumeration STND enumeration SULF enumeration THIN enumeration TOM enumeration TRET enumeration TW enumeration UMT enumeration UNCL enumeration VOMITOXIN enumeration WASH enumeration WAXY enumeration WB enumeration WBG enumeration WHAL enumeration WHT enumeration WO enumeration WOCL enumeration X
source	<xsd:element name="QualityFactorCode" type="QualityFactorCode"/>

element **QualityFactorMeasurement**

diagram	
namespace	http://www.agxml.org/schemas
children	QualityFactorValue ConditionExistsFlag
used by	element QualityInformation
source	<xsd:element name="QualityFactorMeasurement"> <xsd:complexType> <xsd:choice> <xsd:element ref="QualityFactorValue"/> <xsd:element ref="ConditionExistsFlag"/> </xsd:choice> </xsd:complexType> </xsd:element>

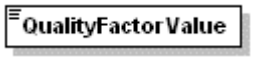
element **QualityFactorName**

diagram	
namespace	http://www.agxml.org/schemas
type	QualityFactorName
used by	element QualityInformation
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass enumeration Broken Kernels enumeration Broken Kernels and Foreign Material enumeration Castor Beans enumeration Choice enumeration Class enumeration Coarse enumeration Cockleburs enumeration Commercially Objectionable Foreign Odor enumeration Conspicuous Admixture enumeration Contrasting Classes enumeration Corn enumeration Crotalaria enumeration Cultivated Sunflower Seed enumeration Damaged Kernels enumeration Damaged Kernels (total) enumeration Dark Hard and Vitreous enumeration Defects (total) enumeration Dehulled enumeration Dent enumeration Diatomaceous Earth enumeration Distinctly Discolored enumeration Distinctly Green Kernels enumeration Distinctly Low Quality enumeration Dockage enumeration Dyed enumeration Ergoty enumeration Erucic Acid enumeration Extra Heavy enumeration Falling Numbers enumeration Fine Foreign Material enumeration Flint enumeration Flint and Dent enumeration Foreign Material enumeration Foreign Material Other than Rye enumeration Foreign Material Other than Wheat enumeration Foreign Material Other than Wheat or Rye enumeration Frost-damaged Kernels enumeration Garlic Bulblets enumeration Garlicky enumeration Glucosinolates

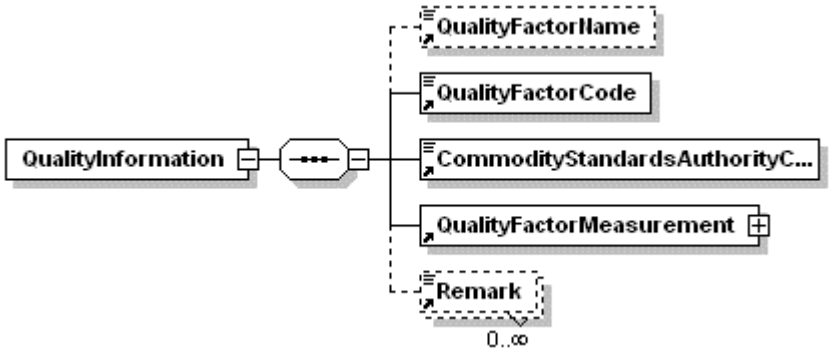
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture
	enumeration	Mold-damaged Kernels
	enumeration	Musty
	enumeration	Not Standardized Grain
	enumeration	Odor
	enumeration	Oil
	enumeration	Other Classes
	enumeration	Other Colors
	enumeration	Other Damaged Kernels
	enumeration	Other Grains
	enumeration	Other Live Insects Injurious to Stored Grain
	enumeration	Other Types
	enumeration	Other White Wheat
	enumeration	Plump
	enumeration	Protein
	enumeration	Purple Mottled or Stained
	enumeration	Rodent Excreta
	enumeration	Sample Grade
	enumeration	Sclerotinia
	enumeration	Scoured
	enumeration	Shrunken and Broken Kernels
	enumeration	Similar Seeds
	enumeration	Skinned and Broken Kernels
	enumeration	Slightly Weathered
	enumeration	Smut Balls
	enumeration	Smutty
	enumeration	Sound Barley
	enumeration	Sound Oats
	enumeration	Sour
	enumeration	Soybeans
	enumeration	Soybeans of Other Colors
	enumeration	Splits
	enumeration	Stained
	enumeration	Stinkbug Damaged
	enumeration	Stones
	enumeration	Stress Cracks
	enumeration	Subclass
	enumeration	Suitable Malting Type
	enumeration	Sulfured
	enumeration	Test Weight
	enumeration	Thin
	enumeration	Total Other Material

	enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:element name="QualityFactorName" type="QualityFactorName"/>

element **QualityFactorValue**

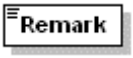
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **QualityFactorMeasurement**
attributes	Name: qualityFactorUnitOfMeasure; Type: QualityFactorUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="QualityFactorValue"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="qualityFactorUnitOfMeasure" type="QualityFactorUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **QualityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	QualityFactorName QualityFactorCode CommodityStandardsAuthorityCode QualityFactorMeasurement Remark
used by	element **QualityCertificateLine**
source	<xsd:element name="QualityInformation">

```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="QualityFactorName" minOccurs="0"/>
    <xsd:element ref="QualityFactorCode"/>
    <xsd:element ref="CommodityStandardsAuthorityCode"/>
    <xsd:element ref="QualityFactorMeasurement"/>
    <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

element **Remark**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	elements **ApplicationInstruction** **QualityCertificateHeader** **QualityCertificateLine** **QualityInformation** **SampleInformation** **ShipmentSize** **WeightCertificateHeader**
attributes	Name: remarkType; Type: RemarkType; Use; Default; Fixed
source	<xsd:element name="Remark"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="remarkType" type="RemarkType"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

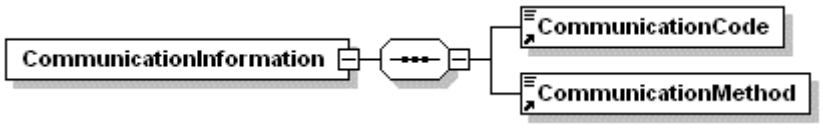
element **StandardTransportationCommodityCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **CommodityInformation**
source	<xsd:element name="StandardTransportationCommodityCode" type="xsd:string"/>

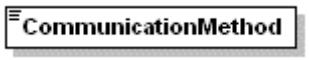
element **CommunicationCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **CommunicationInformation**
source	<xsd:element name="CommunicationCode" type="xsd:string"/>

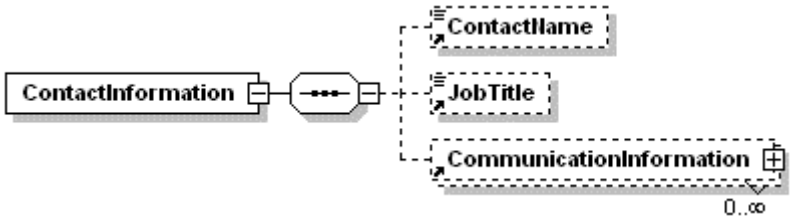
element **CommunicationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	CommunicationCode CommunicationMethod
used by	element ContactInformation
source	<xsd:element name="CommunicationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommunicationCode"/> <xsd:element ref="CommunicationMethod"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommunicationMethod**

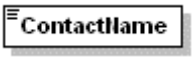
diagram	
namespace	http://www.agxml.org/schemas
type	CommunicationMethod
used by	element CommunicationInformation
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL
source	<xsd:element name="CommunicationMethod" type="CommunicationMethod"/>

element **ContactInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	ContactName JobTitle CommunicationInformation
used by	elements CommodityMovementBuyer CommodityMovementSeller CommodityOwner FreightCarrier InspectionServiceProvider NotifyParty Shipper WeightServiceProvider
source	<xsd:element name="ContactInformation">

```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="ContactName" minOccurs="0"/>
    <xsd:element ref="JobTitle" minOccurs="0"/>
    <xsd:element ref="CommunicationInformation" minOccurs="0" maxOccurs="unbounded"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

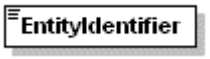
element **ContactName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ContactInformation**
source	<xsd:element name="ContactName" type="xsd:string"/>

element **JobTitle**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ContactInformation**
source	<xsd:element name="JobTitle" type="xsd:string"/>

element **EntityIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	elements **EntityInformation** **Inspector**

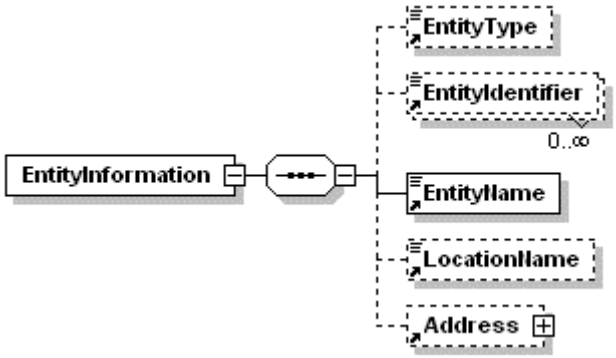
attributes

Name	Type	Use	Default	Fixed
identifierSource	IdentifierSource	optional		

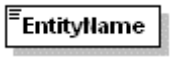
source

```
<xsd:element name="EntityIdentifier">
 <xsd:complexType>
  <xsd:simpleContent>
   <xsd:extension base="xsd:string">
    <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/>
   </xsd:extension>
  </xsd:simpleContent>
 </xsd:complexType>
</xsd:element>
```

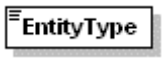
element **EntityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityType EntityIdentifier EntityName LocationName Address**
used by	elements **CommodityMovementBuyer CommodityMovementSeller CommodityOwner FreightCarrier InspectionServiceProvider ServiceRequester Shipper WeightServiceProvider**
source	<xsd:element name="EntityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityType" minOccurs="0"/> <xsd:element ref="EntityIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="EntityName"/> <xsd:element ref="LocationName" minOccurs="0"/> <xsd:element ref="Address" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **EntityName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **CommodityLocation EntityInformation Inspector NotifyParty WeighMaster**
source	<xsd:element name="EntityName" type="xsd:string"/>

element **EntityType**

diagram	
namespace	http://www.agxml.org/schemas
type	**EntityType**
used by	element **EntityInformation**
facets	enumeration Organization enumeration Person
source	<xsd:element name="EntityType" type="EntityType"/>

simpleType **CommodityClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityClass**
facets	enumeration Barley enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Malting Barley"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Unclassed Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityGroup**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityGroup**
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain enumeration Non-standardized Grain enumeration Oats

	enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:simpleType name="CommodityGroup"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Corn"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Non-standardized Grain"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Soybeans"/> <xsd:enumeration value="Sunflower Seeds"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityName**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat enumeration White Corn enumeration White Sorghum enumeration White Wheat

	enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Blue Malting Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Six Rowed Barley"/> <xsd:enumeration value="Six Rowed Malting Barley"/> <xsd:enumeration value="Six Rowed Blue Malting Barley"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Sunflower Seed"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Two Rowed Barley"/> <xsd:enumeration value="Two Rowed Malting Barley"/> <xsd:enumeration value="Western White Wheat"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="White Wheat"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityNameCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityNameCode**
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K enumeration N enumeration NS enumeration O

	enumeration O enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:simpleType name="CommodityNameCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="ADU"/> <xsd:enumeration value="BLMB"/> <xsd:enumeration value="BLY"/> <xsd:enumeration value="DNS"/> <xsd:enumeration value="DU"/> <xsd:enumeration value="FLAX"/> <xsd:enumeration value="HADU"/> <xsd:enumeration value="HDWH"/> <xsd:enumeration value="HRS"/> <xsd:enumeration value="HRW"/> <xsd:enumeration value="K"/> <xsd:enumeration value="N"/> <xsd:enumeration value="NS"/> <xsd:enumeration value="O"/> <xsd:enumeration value="RS"/> <xsd:enumeration value="RYE"/> <xsd:enumeration value="S"/> <xsd:enumeration value="SF"/> <xsd:enumeration value="SRB"/> <xsd:enumeration value="SRBM"/> <xsd:enumeration value="SRMB"/> <xsd:enumeration value="SRW"/> <xsd:enumeration value="SWH"/> <xsd:enumeration value="TANS"/> <xsd:enumeration value="TRIT"/> <xsd:enumeration value="TRB"/> <xsd:enumeration value="TRMB"/> <xsd:enumeration value="WHCB"/> <xsd:enumeration value="WHC"/> <xsd:enumeration value="WHS"/> <xsd:enumeration value="WW"/> <xsd:enumeration value="WWH"/> <xsd:enumeration value="XC"/> <xsd:enumeration value="XGR"/> <xsd:enumeration value="XS"/> <xsd:enumeration value="XSB"/> <xsd:enumeration value="XWHT"/> <xsd:enumeration value="YC"/> <xsd:enumeration value="YSB"/> </xsd:restriction>

	</xsd:simpleType>

simpleType **CommoditySpecialGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySpecialGrade**
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy
source	<xsd:simpleType name="CommoditySpecialGrade"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Bleached"/> <xsd:enumeration value="Blighted"/> <xsd:enumeration value="Bright"/> <xsd:enumeration value="Ergoty"/> <xsd:enumeration value="Extra Heavy"/> <xsd:enumeration value="Flint"/> <xsd:enumeration value="Flint & Dent"/> <xsd:enumeration value="Garlicky"/> <xsd:enumeration value="Heavy"/> <xsd:enumeration value="Infested"/> <xsd:enumeration value="Light Garlicky"/> <xsd:enumeration value="Light Smutty"/> <xsd:enumeration value="Plump"/> <xsd:enumeration value="Purple Mottled or Stained"/> <xsd:enumeration value="Smutty"/> <xsd:enumeration value="Thin"/> <xsd:enumeration value="Treated"/> <xsd:enumeration value="Waxy"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGrade**
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5 enumeration U.S. Sample

source	<xsd:simpleType name="CommodityStandardGrade"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="U.S. No 1"/> <xsd:enumeration value="U.S. No 2"/> <xsd:enumeration value="U.S. No 3"/> <xsd:enumeration value="U.S. No 4"/> <xsd:enumeration value="U.S. No 5"/> <xsd:enumeration value="U.S. Sample"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardGradeOptionalDesignation**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGradeOptionalDesignation**
facets	enumeration Or Better
source	<xsd:simpleType name="CommodityStandardGradeOptionalDesignation"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Or Better"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardsAuthorityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardsAuthorityCode**
facets	enumeration GIPSA enumeration Industry
source	<xsd:simpleType name="CommodityStandardsAuthorityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="GIPSA"/> <xsd:enumeration value="Industry"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommoditySubClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySubClass**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley enumeration Soft White Wheat enumeration Two-rowed Barley

	enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:simpleType name="CommoditySubClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Six-rowed Barley"/> <xsd:enumeration value="Six-rowed Blue Malting Barley"/> <xsd:enumeration value="Six-rowed Malting Barley"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Two-rowed Barley"/> <xsd:enumeration value="Two-rowed Malting Barley"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="Western White Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityFactorCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QualityFactorCode**
facets	enumeration ADM enumeration AFLATOXIN enumeration ANFL enumeration BADS enumeration BADW enumeration BC enumeration BCFM enumeration BLCH enumeration BLAL enumeration BLB enumeration BLIT enumeration BN enumeration BNFM enumeration BNS enumeration BRDX enumeration BRIT enumeration C enumeration CADM enumeration CBUR enumeration CCL enumeration CH enumeration CL enumeration COFO enumeration CROT enumeration CRSE enumeration CSF enumeration CSTB enumeration DEF enumeration DENT enumeration DGK enumeration DH enumeration DHV enumeration DIAT enumeration DISC enumeration DK enumeration DKT enumeration DKG

	enumeration	DKG
	enumeration	DLQ
	enumeration	DYED
	enumeration	EHVY
	enumeration	ERC
	enumeration	ERG
	enumeration	FDK
	enumeration	FINE
	enumeration	FLIN
	enumeration	FLAD
	enumeration	FM
	enumeration	FMOR
	enumeration	FMOW
	enumeration	FMWR
	enumeration	FN
	enumeration	FSUB
	enumeration	GAR
	enumeration	GARB
	enumeration	GLAS
	enumeration	GERM
	enumeration	GLUC
	enumeration	GR
	enumeration	HARD
	enumeration	HT
	enumeration	HRS
	enumeration	HRW
	enumeration	HTG
	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF
	enumeration	IBHT
	enumeration	IBM
	enumeration	IDK
	enumeration	INF
	enumeration	LGAR
	enumeration	LGST
	enumeration	LIME
	enumeration	LSM
	enumeration	LW
	enumeration	M
	enumeration	MB
	enumeration	MDK
	enumeration	MDKG
	enumeration	MOTH
	enumeration	MSFM
	enumeration	MUST
	enumeration	MWTH
	enumeration	NSG
	enumeration	OCL
	enumeration	OCOL
	enumeration	ODK
	enumeration	ODOR
	enumeration	OG
	enumeration	OIL
	enumeration	OLI
	enumeration	OT
	enumeration	OWH
	enumeration	PL
	enumeration	PMS
	enumeration	PROT
	enumeration	RODX
	enumeration	SB
	enumeration	SBAL
	enumeration	SBLY
	enumeration	SBOC

	enumeration SC enumeration SCOR enumeration SCT enumeration SCL enumeration SG enumeration SHBN enumeration SKBN enumeration SKD enumeration SLW enumeration SMUT enumeration SMT enumeration SO enumeration SOUR enumeration SPL enumeration SS enumeration STON enumeration STND enumeration SULF enumeration THIN enumeration TOM enumeration TRET enumeration TW enumeration UMT enumeration UNCL enumeration VOMITOXIN enumeration WASH enumeration WAXY enumeration WB enumeration WBG enumeration WHAL enumeration WHT enumeration WO enumeration WOCL enumeration X
source	<xsd:simpleType name="QualityFactorCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="ADM"/> <xsd:enumeration value="AFLATOXIN"/> <xsd:enumeration value="ANFL"/> <xsd:enumeration value="BADS"/> <xsd:enumeration value="BADW"/> <xsd:enumeration value="BC"/> <xsd:enumeration value="BCFM"/> <xsd:enumeration value="BLCH"/> <xsd:enumeration value="BLAL"/> <xsd:enumeration value="BLB"/> <xsd:enumeration value="BLIT"/> <xsd:enumeration value="BN"/> <xsd:enumeration value="BNFM"/> <xsd:enumeration value="BNS"/> <xsd:enumeration value="BRDX"/> <xsd:enumeration value="BRIT"/> <xsd:enumeration value="C"/> <xsd:enumeration value="CADM"/> <xsd:enumeration value="CBUR"/> <xsd:enumeration value="CCL"/> <xsd:enumeration value="CH"/> <xsd:enumeration value="CL"/> <xsd:enumeration value="COFO"/> <xsd:enumeration value="CROT"/> <xsd:enumeration value="CRSE"/> <xsd:enumeration value="CSF"/> <xsd:enumeration value="CSTB"/> <xsd:enumeration value="DEF"/> <xsd:enumeration value="DENT"/> <xsd:enumeration value="DGK"/> <xsd:enumeration value="DH"/> <xsd:enumeration value="DHV"/>

```
<xsd:enumeration value="DIAT"/>
<xsd:enumeration value="DISC"/>
<xsd:enumeration value="DK"/>
<xsd:enumeration value="DKT"/>
<xsd:enumeration value="DKG"/>
<xsd:enumeration value="DLQ"/>
<xsd:enumeration value="DYED"/>
<xsd:enumeration value="EHVY"/>
<xsd:enumeration value="ERC"/>
<xsd:enumeration value="ERG"/>
<xsd:enumeration value="FDK"/>
<xsd:enumeration value="FINE"/>
<xsd:enumeration value="FLIN"/>
<xsd:enumeration value="FLAD"/>
<xsd:enumeration value="FM"/>
<xsd:enumeration value="FMOR"/>
<xsd:enumeration value="FMOW"/>
<xsd:enumeration value="FMWR"/>
<xsd:enumeration value="FN"/>
<xsd:enumeration value="FSUB"/>
<xsd:enumeration value="GAR"/>
<xsd:enumeration value="GARB"/>
<xsd:enumeration value="GLAS"/>
<xsd:enumeration value="GERM"/>
<xsd:enumeration value="GLUC"/>
<xsd:enumeration value="GR"/>
<xsd:enumeration value="HARD"/>
<xsd:enumeration value="HT"/>
<xsd:enumeration value="HRS"/>
<xsd:enumeration value="HRW"/>
<xsd:enumeration value="HTG"/>
<xsd:enumeration value="HP"/>
<xsd:enumeration value="HPFM"/>
<xsd:enumeration value="HVAC"/>
<xsd:enumeration value="HVY"/>
<xsd:enumeration value="IADM"/>
<xsd:enumeration value="IBF"/>
<xsd:enumeration value="IBHT"/>
<xsd:enumeration value="IBM"/>
<xsd:enumeration value="IDK"/>
<xsd:enumeration value="INF"/>
<xsd:enumeration value="LGAR"/>
<xsd:enumeration value="LGST"/>
<xsd:enumeration value="LIME"/>
<xsd:enumeration value="LSM"/>
<xsd:enumeration value="LW"/>
<xsd:enumeration value="M"/>
<xsd:enumeration value="MB"/>
<xsd:enumeration value="MDK"/>
<xsd:enumeration value="MDKG"/>
<xsd:enumeration value="MOTH"/>
<xsd:enumeration value="MSFM"/>
<xsd:enumeration value="MUST"/>
<xsd:enumeration value="MWTH"/>
<xsd:enumeration value="NSG"/>
<xsd:enumeration value="OCL"/>
<xsd:enumeration value="OCOL"/>
<xsd:enumeration value="ODK"/>
<xsd:enumeration value="ODOR"/>
<xsd:enumeration value="OG"/>
<xsd:enumeration value="OIL"/>
<xsd:enumeration value="OLI"/>
<xsd:enumeration value="OT"/>
<xsd:enumeration value="OWH"/>
<xsd:enumeration value="PL"/>
<xsd:enumeration value="PMS"/>
<xsd:enumeration value="PROT"/>
<xsd:enumeration value="RODX"/>
```

```
    <xsd:enumeration value="SB"/>
    <xsd:enumeration value="SBAL"/>
    <xsd:enumeration value="SBLY"/>
    <xsd:enumeration value="SBOC"/>
    <xsd:enumeration value="SC"/>
    <xsd:enumeration value="SCOR"/>
    <xsd:enumeration value="SCT"/>
    <xsd:enumeration value="SCL"/>
    <xsd:enumeration value="SG"/>
    <xsd:enumeration value="SHBN"/>
    <xsd:enumeration value="SKBN"/>
    <xsd:enumeration value="SKD"/>
    <xsd:enumeration value="SLW"/>
    <xsd:enumeration value="SMUT"/>
    <xsd:enumeration value="SMT"/>
    <xsd:enumeration value="SO"/>
    <xsd:enumeration value="SOUR"/>
    <xsd:enumeration value="SPL"/>
    <xsd:enumeration value="SS"/>
    <xsd:enumeration value="STON"/>
    <xsd:enumeration value="STND"/>
    <xsd:enumeration value="SULF"/>
    <xsd:enumeration value="THIN"/>
    <xsd:enumeration value="TOM"/>
    <xsd:enumeration value="TRET"/>
    <xsd:enumeration value="TW"/>
    <xsd:enumeration value="UMT"/>
    <xsd:enumeration value="UNCL"/>
    <xsd:enumeration value="VOMITOXIN"/>
    <xsd:enumeration value="WASH"/>
    <xsd:enumeration value="WAXY"/>
    <xsd:enumeration value="WB"/>
    <xsd:enumeration value="WBG"/>
    <xsd:enumeration value="WHAL"/>
    <xsd:enumeration value="WHT"/>
    <xsd:enumeration value="WO"/>
    <xsd:enumeration value="WOCL"/>
    <xsd:enumeration value="X"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QualityFactorName**
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass enumeration Broken Kernels enumeration Broken Kernels and Foreign Material enumeration Castor Beans

	enumeration	Castor Beans
	enumeration	Choice
	enumeration	Class
	enumeration	Coarse
	enumeration	Cockleburs
	enumeration	Commercially Objectionable Foreign Odor
	enumeration	Conspicuous Admixture
	enumeration	Contrasting Classes
	enumeration	Corn
	enumeration	Crotalaria
	enumeration	Cultivated Sunflower Seed
	enumeration	Damaged Kernels
	enumeration	Damaged Kernels (total)
	enumeration	Dark Hard and Vitreous
	enumeration	Defects (total)
	enumeration	Dehulled
	enumeration	Dent
	enumeration	Diatomaceous Earth
	enumeration	Distinctly Discolored
	enumeration	Distinctly Green Kernels
	enumeration	Distinctly Low Quality
	enumeration	Dockage
	enumeration	Dyed
	enumeration	Ergoty
	enumeration	Erucic Acid
	enumeration	Extra Heavy
	enumeration	Falling Numbers
	enumeration	Fine Foreign Material
	enumeration	Flint
	enumeration	Flint and Dent
	enumeration	Foreign Material
	enumeration	Foreign Material Other than Rye
	enumeration	Foreign Material Other than Wheat
	enumeration	Foreign Material Other than Wheat or Rye
	enumeration	Frost-damaged Kernels
	enumeration	Garlic Bulblets
	enumeration	Garlicky
	enumeration	Glucosinolates
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture
	enumeration	Mold-damaged Kernels
	enumeration	Musty
	enumeration	Not Standardized Grain

	enumeration Odor enumeration Oil enumeration Other Classes enumeration Other Colors enumeration Other Damaged Kernels enumeration Other Grains enumeration Other Live Insects Injurious to Stored Grain enumeration Other Types enumeration Other White Wheat enumeration Plump enumeration Protein enumeration Purple Mottled or Stained enumeration Rodent Excreta enumeration Sample Grade enumeration Sclerotinia enumeration Scoured enumeration Shrunken and Broken Kernels enumeration Similar Seeds enumeration Skinned and Broken Kernels enumeration Slightly Weathered enumeration Smut Balls enumeration Smutty enumeration Sound Barley enumeration Sound Oats enumeration Sour enumeration Soybeans enumeration Soybeans of Other Colors enumeration Splits enumeration Stained enumeration Stinkbug Damaged enumeration Stones enumeration Stress Cracks enumeration Subclass enumeration Suitable Malting Type enumeration Sulfured enumeration Test Weight enumeration Thin enumeration Total Other Material enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:simpleType name="QualityFactorName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Admixture"/> <xsd:enumeration value="Aflatoxin"/> <xsd:enumeration value="Angoumois Moths"/> <xsd:enumeration value="Animal Filth"/> <xsd:enumeration value="Badly Stained"/> <xsd:enumeration value="Badly Weathered"/> <xsd:enumeration value="Bird Excreta"/> <xsd:enumeration value="Bleached"/> <xsd:enumeration value="Blight"/> <xsd:enumeration value="Blue Aleurone"/> <xsd:enumeration value="Blue Barley"/> <xsd:enumeration value="Bottom Not Sampled"/> <xsd:enumeration value="Bright"/> <xsd:enumeration value="Broken Corn"/>

```
<xsd:enumeration value="Broken Corn and  Foreign Material"/>
<xsd:enumeration value="Broken Glass"/>
<xsd:enumeration value="Broken Kernels"/>
<xsd:enumeration value="Broken Kernels and Foreign Material"/>
<xsd:enumeration value="Castor Beans"/>
<xsd:enumeration value="Choice"/>
<xsd:enumeration value="Class"/>
<xsd:enumeration value="Coarse"/>
<xsd:enumeration value="Cockleburs"/>
<xsd:enumeration value="Commercially Objectionable Foreign Odor"/>
<xsd:enumeration value="Conspicuous Admixture"/>
<xsd:enumeration value="Contrasting Classes"/>
<xsd:enumeration value="Corn"/>
<xsd:enumeration value="Crotalaria"/>
<xsd:enumeration value="Cultivated Sunflower Seed"/>
<xsd:enumeration value="Damaged Kernels"/>
<xsd:enumeration value="Damaged Kernels (total)"/>
<xsd:enumeration value="Dark  Hard  and  Vitreous"/>
<xsd:enumeration value="Defects (total)"/>
<xsd:enumeration value="Dehulled"/>
<xsd:enumeration value="Dent"/>
<xsd:enumeration value="Diatomaceous Earth"/>
<xsd:enumeration value="Distinctly Discolored"/>
<xsd:enumeration value="Distinctly Green Kernels"/>
<xsd:enumeration value="Distinctly Low Quality"/>
<xsd:enumeration value="Dockage"/>
<xsd:enumeration value="Dyed"/>
<xsd:enumeration value="Ergoty"/>
<xsd:enumeration value="Erucic Acid"/>
<xsd:enumeration value="Extra Heavy"/>
<xsd:enumeration value="Falling Numbers"/>
<xsd:enumeration value="Fine Foreign Material"/>
<xsd:enumeration value="Flint"/>
<xsd:enumeration value="Flint and Dent"/>
<xsd:enumeration value="Foreign Material"/>
<xsd:enumeration value="Foreign Material Other than Rye"/>
<xsd:enumeration value="Foreign Material Other than Wheat"/>
<xsd:enumeration value="Foreign Material Other than Wheat or Rye"/>
<xsd:enumeration value="Frost-damaged Kernels"/>
<xsd:enumeration value="Garlic Bulblets"/>
<xsd:enumeration value="Garlicky"/>
<xsd:enumeration value="Glucosinolates"/>
<xsd:enumeration value="Germ"/>
<xsd:enumeration value="Grain"/>
<xsd:enumeration value="Handpicked"/>
<xsd:enumeration value="Handpicked Foreign Material"/>
<xsd:enumeration value="Hard and Vitreous Kernels of Amber Color"/>
<xsd:enumeration value="Hard Kernels"/>
<xsd:enumeration value="Heat-damaged Kernels"/>
<xsd:enumeration value="Hard Red Winter"/>
<xsd:enumeration value="Hard Red Spring"/>
<xsd:enumeration value="Heating"/>
<xsd:enumeration value="Heavy"/>
<xsd:enumeration value="Inconspicuous Admixture"/>
<xsd:enumeration value="Infested"/>
<xsd:enumeration value="Injured by Frost"/>
<xsd:enumeration value="Injured by Heat"/>
<xsd:enumeration value="Injured by Mold"/>
<xsd:enumeration value="Insect-damaged Kernels"/>
<xsd:enumeration value="Large stones  etc."/>
<xsd:enumeration value="Light Garlicky"/>
<xsd:enumeration value="Light Smutty"/>
<xsd:enumeration value="Limed"/>
<xsd:enumeration value="Machine Separated Broken Kernels and FM"/>
<xsd:enumeration value="Malting Barley"/>
<xsd:enumeration value="Materially Weathered"/>
<xsd:enumeration value="Mechanically Separated Dockage"/>
<xsd:enumeration value="Mixed"/>
```

```
    <xsd:enumeration value="Moisture"/>
    <xsd:enumeration value="Mold-damaged Kernels"/>
    <xsd:enumeration value="Musty"/>
    <xsd:enumeration value="Not Standardized Grain"/>
    <xsd:enumeration value="Odor"/>
    <xsd:enumeration value="Oil"/>
    <xsd:enumeration value="Other Classes"/>
    <xsd:enumeration value="Other Colors"/>
    <xsd:enumeration value="Other Damaged Kernels"/>
    <xsd:enumeration value="Other Grains"/>
    <xsd:enumeration value="Other Live Insects Injurious to Stored Grain"/>
    <xsd:enumeration value="Other Types"/>
    <xsd:enumeration value="Other White Wheat"/>
    <xsd:enumeration value="Plump"/>
    <xsd:enumeration value="Protein"/>
    <xsd:enumeration value="Purple Mottled or Stained"/>
    <xsd:enumeration value="Rodent Excreta"/>
    <xsd:enumeration value="Sample Grade"/>
    <xsd:enumeration value="Sclerotinia"/>
    <xsd:enumeration value="Scoured"/>
    <xsd:enumeration value="Shrunken and Broken Kernels"/>
    <xsd:enumeration value="Similar Seeds"/>
    <xsd:enumeration value="Skinned and Broken Kernels"/>
    <xsd:enumeration value="Slightly Weathered"/>
    <xsd:enumeration value="Smut Balls"/>
    <xsd:enumeration value="Smutty"/>
    <xsd:enumeration value="Sound Barley"/>
    <xsd:enumeration value="Sound Oats"/>
    <xsd:enumeration value="Sour"/>
    <xsd:enumeration value="Soybeans"/>
    <xsd:enumeration value="Soybeans of Other Colors"/>
    <xsd:enumeration value="Splits"/>
    <xsd:enumeration value="Stained"/>
    <xsd:enumeration value="Stinkbug Damaged"/>
    <xsd:enumeration value="Stones"/>
    <xsd:enumeration value="Stress Cracks"/>
    <xsd:enumeration value="Subclass"/>
    <xsd:enumeration value="Suitable Malting Type"/>
    <xsd:enumeration value="Sulfured"/>
    <xsd:enumeration value="Test Weight"/>
    <xsd:enumeration value="Thin"/>
    <xsd:enumeration value="Total Other Material"/>
    <xsd:enumeration value="Treated"/>
    <xsd:enumeration value="Unclassed Wheat"/>
    <xsd:enumeration value="Unknown Foreign Substance"/>
    <xsd:enumeration value="Unsuitable Malting Type"/>
    <xsd:enumeration value="Vomitoxin"/>
    <xsd:enumeration value="Washed"/>
    <xsd:enumeration value="Waxy"/>
    <xsd:enumeration value="Weevils (live)"/>
    <xsd:enumeration value="Wheat"/>
    <xsd:enumeration value="Wheat of Other Classes"/>
    <xsd:enumeration value="White Aleurone"/>
    <xsd:enumeration value="Wild Brome Grass Seed"/>
    <xsd:enumeration value="Wild Buckwheat"/>
    <xsd:enumeration value="Wild Oats"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute QualityFactorValue/@qualityFactorUnitOfMeasure

facets	enumeration Count enumeration Kilograms Per Hectoliter enumeration Parts Per Billion enumeration Parts Per Million enumeration Percent enumeration Pounds Per Bushel
source	<xsd:simpleType name="QualityFactorUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Count"/> <xsd:enumeration value="Kilograms Per Hectoliter"/> <xsd:enumeration value="Parts Per Billion"/> <xsd:enumeration value="Parts Per Million"/> <xsd:enumeration value="Percent"/> <xsd:enumeration value="Pounds Per Bushel"/> </xsd:restriction> </xsd:simpleType>

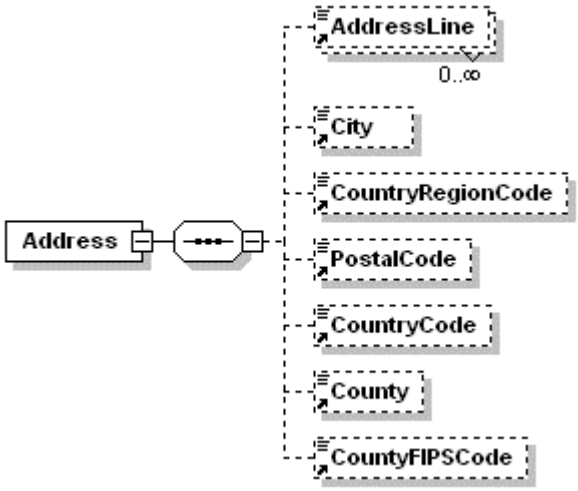
simpleType **RemarkType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Remark/@remarkType**
facets	enumeration Header enumeration Footer
source	<xsd:simpleType name="RemarkType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Header"/> <xsd:enumeration value="Footer"/> </xsd:restriction> </xsd:simpleType>

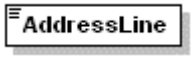
simpleType **CommunicationMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommunicationMethod**
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL
source	<xsd:simpleType name="CommunicationMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Cell Phone"/> <xsd:enumeration value="Desk Phone"/> <xsd:enumeration value="Email"/> <xsd:enumeration value="Fax"/> <xsd:enumeration value="FTP Site"/> <xsd:enumeration value="Pager"/> <xsd:enumeration value="Telex"/> <xsd:enumeration value="URL"/> </xsd:restriction> </xsd:simpleType>

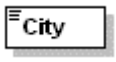
element **Address**

diagram	
namespace	http://www.agxml.org/schemas
children	AddressLine City CountryRegionCode PostalCode CountryCode County CountyFIPSCode
used by	elements EntityInformation LocationInformation
source	<xsd:element name="Address"> <xsd:complexType> <xsd:sequence> <xsd:element ref="AddressLine" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="City" minOccurs="0"/> <xsd:element ref="CountryRegionCode" minOccurs="0"/> <xsd:element ref="PostalCode" minOccurs="0"/> <xsd:element ref="CountryCode" minOccurs="0"/> <xsd:element ref="County" minOccurs="0"/> <xsd:element ref="CountyFIPSCode" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **AddressLine**

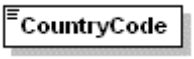
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element Address
source	<xsd:element name="AddressLine" type="xsd:string"/>

element **City**

diagram	
namespace	http://www.agxml.org/schemas

type	**xsd:string**
used by	element **Address**
source	<xsd:element name="City" type="xsd:string"/>

element **CountryCode**

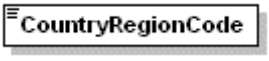
diagram	
namespace	http://www.agxml.org/schemas
type	**CountryCode**
used by	element **Address**
facets	enumeration AF enumeration AL enumeration DZ enumeration AS enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG enumeration BF enumeration BI enumeration KH enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN enumeration CX enumeration CC enumeration CO enumeration KM enumeration CG enumeration CD

	enumeration CK enumeration CR enumeration CI enumeration HR enumeration CU enumeration CY enumeration CZ enumeration DK enumeration DJ enumeration DM enumeration DO enumeration TP enumeration EC enumeration EG enumeration SV enumeration GQ enumeration ER enumeration EE enumeration ET enumeration FK enumeration FO enumeration FJ enumeration FI enumeration FR enumeration GF enumeration PF enumeration TF enumeration GA enumeration GM enumeration GE enumeration DE enumeration GH enumeration GI enumeration GR enumeration GL enumeration GD enumeration GP enumeration GU enumeration GT enumeration GN enumeration GW enumeration GY enumeration HT enumeration HM enumeration VA enumeration HN enumeration HK enumeration HU enumeration IS enumeration IN enumeration ID enumeration IR enumeration IQ enumeration IE enumeration IL enumeration IT enumeration JM enumeration JP enumeration JO enumeration KZ enumeration KE enumeration KI enumeration KP enumeration KR enumeration KW enumeration KG enumeration LA enumeration LV

	enumeration LB enumeration LS enumeration LR enumeration LY enumeration LI enumeration LT enumeration LU enumeration MO enumeration MK enumeration MG enumeration MW enumeration MY enumeration MV enumeration ML enumeration MT enumeration MH enumeration MQ enumeration MR enumeration MU enumeration YT enumeration MX enumeration FM enumeration MD enumeration MC enumeration MN enumeration MS enumeration MA enumeration MZ enumeration MM enumeration NA enumeration NR enumeration NP enumeration NL enumeration AN enumeration NC enumeration NZ enumeration NI enumeration NE enumeration NG enumeration NU enumeration NF enumeration MP enumeration NO enumeration OM enumeration K enumeration PW enumeration PS enumeration PA enumeration PG enumeration PY enumeration PE enumeration PH enumeration PN enumeration PL enumeration PT enumeration PR enumeration QA enumeration RE enumeration RO enumeration RU enumeration RW enumeration SH enumeration KN enumeration LC enumeration PM enumeration VC enumeration WS enumeration SM

	enumeration ST enumeration SA enumeration SN enumeration SC enumeration SL enumeration SG enumeration SK enumeration SI enumeration SB enumeration SO enumeration ZA enumeration GS enumeration ES enumeration LK enumeration SD enumeration SR enumeration SJ enumeration SZ enumeration SE enumeration CH enumeration SY enumeration TW enumeration TJ enumeration TZ enumeration TH enumeration TG enumeration TK enumeration TO enumeration TT enumeration TN enumeration TR enumeration TM enumeration TC enumeration TV enumeration UG enumeration UA enumeration AE enumeration GB enumeration US enumeration UM enumeration UY enumeration UZ enumeration VU enumeration VE enumeration VN enumeration VG enumeration VI enumeration WF enumeration EH enumeration YE enumeration YU enumeration ZM enumeration ZW
source	<xsd:element name="CountryCode" type="CountryCode"/>

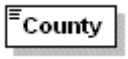
element **CountryRegionCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**CountryRegionCode**
used by	element **Address**

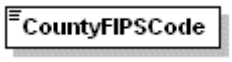
facets	enumeration	AL
	enumeration	BCN
	enumeration	BCS
	enumeration	CAN
	enumeration	CHIS
	enumeration	CHIH
	enumeration	COAH
	enumeration	COL
	enumeration	DF
	enumeration	DGO'
	enumeration	GTO
	enumeration	GRO
	enumeration	HGO
	enumeration	JAL
	enumeration	MEX
	enumeration	MICH
	enumeration	MOR
	enumeration	NAY
	enumeration	NLO
	enumeration	OAX
	enumeration	PUE
	enumeration	QRO
	enumeration	QROO
	enumeration	SLP
	enumeration	SIN
	enumeration	SON
	enumeration	TAB
	enumeration	TAMPS
	enumeration	TLAX
	enumeration	VER
	enumeration	YUC
	enumeration	ZAC
	enumeration	AB
	enumeration	BC
	enumeration	MB
	enumeration	NB
	enumeration	NF
	enumeration	NT
	enumeration	NS
	enumeration	NU
	enumeration	ON
	enumeration	PE
	enumeration	QC
	enumeration	SK
	enumeration	YT
	enumeration	AK
	enumeration	AZ
	enumeration	AR
	enumeration	CA
	enumeration	CO
	enumeration	CT
	enumeration	DE
	enumeration	DC
	enumeration	FL
	enumeration	GA
	enumeration	HI
	enumeration	ID
	enumeration	IL
	enumeration	IN
	enumeration	IA
	enumeration	KS
	enumeration	KY
	enumeration	LA
	enumeration	ME
	enumeration	MD
	enumeration	MA
	enumeration	MI
	enumeration	MN

	enumeration MS enumeration MO enumeration MT enumeration NE enumeration NV enumeration NH enumeration NJ enumeration NM enumeration NY enumeration NC enumeration ND enumeration OH enumeration OK enumeration OR enumeration PA enumeration PR enumeration RI enumeration SC enumeration SD enumeration TN enumeration TX enumeration UT enumeration VT enumeration VA enumeration WA enumeration WV enumeration WI enumeration WY enumeration AGS
source	<xsd:element name="CountryRegionCode" type="CountryRegionCode"/>

element **County**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="County" type="xsd:string"/>

element **CountyFIPSCode**

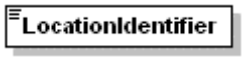
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="CountyFIPSCode" type="xsd:string"/>

element **PostalCode**

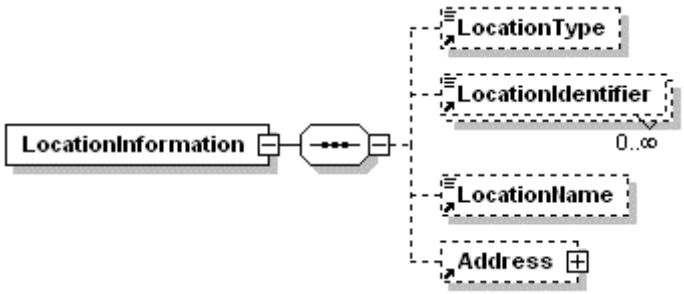
diagram	

namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="PostalCode" type="xsd:string"/>

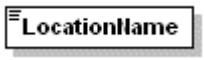
element **LocationIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **LocationInformation**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="LocationIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

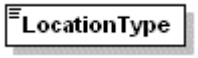
element **LocationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**LocationType** **LocationIdentifier** **LocationName** **Address**
used by	elements **CommodityLocation** **Destination** **IssuedFrom** **Origin**
source	<xsd:element name="LocationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationType" minOccurs="0"/> <xsd:element ref="LocationIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="LocationName" minOccurs="0"/> <xsd:element ref="Address" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **LocationName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **EntityInformation** **LocationInformation**
source	<xsd:element name="LocationName" type="xsd:string"/>

element **LocationType**

diagram	
namespace	http://www.agxml.org/schemas
type	**LocationType**
used by	element **LocationInformation**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location
source	<xsd:element name="LocationType" type="LocationType"/>

simpleType **EntityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **EntityType**
facets	enumeration Organization enumeration Person
source	<xsd:simpleType name="EntityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Organization"/> <xsd:enumeration value="Person"/> </xsd:restriction> </xsd:simpleType>

simpleType **ApplicationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **ApplicationType**
facets	enumeration Deferred Price enumeration Grain Bank enumeration Hold Payment enumeration Open Contract enumeration Specific Contract enumeration Spot End of Day enumeration Spot Immediate

	enumeration Storage enumeration Warehouse Receipt enumeration Unapplied/Hold
source	<xsd:simpleType name="ApplicationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Deferred Price"/> <xsd:enumeration value="Grain Bank"/> <xsd:enumeration value="Hold Payment"/> <xsd:enumeration value="Open Contract"/> <xsd:enumeration value="Specific Contract"/> <xsd:enumeration value="Spot End of Day"/> <xsd:enumeration value="Spot Immediate"/> <xsd:enumeration value="Storage"/> <xsd:enumeration value="Warehouse Receipt"/> <xsd:enumeration value="Unapplied/Hold"/> </xsd:restriction> </xsd:simpleType>

simpleType **BasisLocationMarket**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Atlantic Port enumeration Cedar River Railroad enumeration Central Kansas enumeration Chicago for Beyond enumeration Chicago including Burns Harbor enumeration Columbus for Beyond enumeration Columbia River District including Portland enumeration Columbia River District including Portland sellers option Pudget Sound District enumeration Commodity Credit Corporation enumeration Duluth/Superior enumeration East Texas Plains enumeration Evansville for Beyond enumeration Great Lakes enumeration Hanford/Tulare/Visalia enumeration Houston/Galveston/Beaumont enumeration Illinois Central Gulf enumeration Illinois River North enumeration Iowa & Minnesota Rail Link enumeration Kansas City enumeration Kansas City for Beyond enumeration Lower Mississippi River enumeration Lower Ohio River enumeration Mid-Bridge Brownsville enumeration Mid-Bridge Eagle Pass enumeration Mid-Bridge Laredo enumeration Mid-Bridge Nogales enumeration Mid-Bridge Presideo enumeration Mid-Mississippi River enumeration Minneapolis/Duluth enumeration Mississippi River enumeration Mississippi River Excluding Baton Rouge enumeration Modesto/Oakdale/Turlock enumeration North Kansas enumeration North Texas Plains enumeration Northeast Colorado enumeration Ohio River enumeration Pacific Northwest enumeration Pudget Sound District enumeration South Kansas enumeration South Texas Plains enumeration Southcentral Kansas enumeration Southeast Colorado enumeration Southeast Processors enumeration Southwest Kansas

	enumeration Southwest Kansas enumeration Stockton/San Joaquin Valley enumeration Tennessee River enumeration Texas Gulf enumeration Texas Gulf Excluding Brownsville enumeration Toledo/Maumee enumeration Track Nebraska enumeration Upper Mississippi River enumeration Upper Ohio River enumeration Union Pacific Group 3 enumeration Union Pacific Group 6 enumeration Union Pacific Group 9 enumeration United States Center Gulf enumeration United States Gulf enumeration United States Louisiana Gulf enumeration Washington Courthouse enumeration Western Kansas
source	<xsd:simpleType name="BasisLocationMarket"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Atlantic Port"/> <xsd:enumeration value="Cedar River Railroad"/> <xsd:enumeration value="Central Kansas"/> <xsd:enumeration value="Chicago for Beyond"/> <xsd:enumeration value="Chicago including Burns Harbor"/> <xsd:enumeration value="Columbus for Beyond"/> <xsd:enumeration value="Columbia River District including Portland"/> <xsd:enumeration value="Columbia River District including Portland sellers option Pudget Sound District"/> <xsd:enumeration value="Commodity Credit Corporation"/> <xsd:enumeration value="Duluth/Superior"/> <xsd:enumeration value="East Texas Plains"/> <xsd:enumeration value="Evansville for Beyond"/> <xsd:enumeration value="Great Lakes"/> <xsd:enumeration value="Hanford/Tulare/Visalia"/> <xsd:enumeration value="Houston/Galveston/Beaumont"/> <xsd:enumeration value="Illinois Central Gulf"/> <xsd:enumeration value="Illinois River North"/> <xsd:enumeration value="Iowa & Minnesota Rail Link"/> <xsd:enumeration value="Kansas City"/> <xsd:enumeration value="Kansas City for Beyond"/> <xsd:enumeration value="Lower Mississippi River"/> <xsd:enumeration value="Lower Ohio River"/> <xsd:enumeration value="Mid-Bridge Brownsville"/> <xsd:enumeration value="Mid-Bridge Eagle Pass"/> <xsd:enumeration value="Mid-Bridge Laredo"/> <xsd:enumeration value="Mid-Bridge Nogales"/> <xsd:enumeration value="Mid-Bridge Presideo"/> <xsd:enumeration value="Mid-Mississippi River"/> <xsd:enumeration value="Minneapolis/Duluth"/> <xsd:enumeration value="Mississippi River"/> <xsd:enumeration value="Mississippi River Excluding Baton Rouge"/> <xsd:enumeration value="Modesto/Oakdale/Turlock"/> <xsd:enumeration value="North Kansas"/> <xsd:enumeration value="North Texas Plains"/> <xsd:enumeration value="Northeast Colorado"/> <xsd:enumeration value="Ohio River"/> <xsd:enumeration value="Pacific Northwest"/> <xsd:enumeration value="Pudget Sound District"/> <xsd:enumeration value="South Kansas"/> <xsd:enumeration value="South Texas Plains"/> <xsd:enumeration value="Southcentral Kansas"/> <xsd:enumeration value="Southeast Colorado"/> <xsd:enumeration value="Southeast Processors"/> <xsd:enumeration value="Southwest Kansas"/> <xsd:enumeration value="Stockton/San Joaquin Valley"/> <xsd:enumeration value="Tennessee River"/> <xsd:enumeration value="Texas Gulf"/> <xsd:enumeration value="Texas Gulf Excluding Brownsville"/> <xsd:enumeration value="Toledo/Maumee"/>

```
    <xsd:enumeration value="Track Nebraska"/>
    <xsd:enumeration value="Upper Mississippi River"/>
    <xsd:enumeration value="Upper Ohio River"/>
    <xsd:enumeration value="Union Pacific Group 3"/>
    <xsd:enumeration value="Union Pacific Group 6"/>
    <xsd:enumeration value="Union Pacific Group 9"/>
    <xsd:enumeration value="United States Center Gulf"/>
    <xsd:enumeration value="United States Gulf"/>
    <xsd:enumeration value="United States Louisiana Gulf"/>
    <xsd:enumeration value="Washington Courthouse"/>
    <xsd:enumeration value="Western Kansas"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BillOfLadingIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Agent enumeration Delivery enumeration Shipper enumeration Waybill or Lading

source

```
<xsd:simpleType name="BillOfLadingIdentifierType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Agent"/>
    <xsd:enumeration value="Delivery"/>
    <xsd:enumeration value="Shipper"/>
    <xsd:enumeration value="Waybill or Lading"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BillOfLadingType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Order enumeration Straight

source

```
<xsd:simpleType name="BillOfLadingType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Order"/>
    <xsd:enumeration value="Straight"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BuyerSellerCall**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Seller

source

```
<xsd:simpleType name="BuyerSellerCall">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Buyer"/>
    <xsd:enumeration value="Seller"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CommodityUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes **QuantityAllocation/@commodityUnitOfMeasure** **LotQuantity/@commodityUnitOfMeasure**
facets	enumeration Barge enumeration Bushel enumeration Car Load enumeration Hundred Weight enumeration Kilogram enumeration Long Ton enumeration Metric Ton enumeration Pound enumeration Shipment enumeration Short Ton enumeration Truck enumeration Vessel
source	<xsd:simpleType name="CommodityUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bushel"/> <xsd:enumeration value="Car Load"/> <xsd:enumeration value="Hundred Weight"/> <xsd:enumeration value="Kilogram"/> <xsd:enumeration value="Long Ton"/> <xsd:enumeration value="Metric Ton"/> <xsd:enumeration value="Pound"/> <xsd:enumeration value="Shipment"/> <xsd:enumeration value="Short Ton"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Vessel"/> </xsd:restriction> </xsd:simpleType>

simpleType **ContractOriginator**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Seller enumeration Agent
source	<xsd:simpleType name="ContractOriginator"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> <xsd:enumeration value="Agent"/> </xsd:restriction> </xsd:simpleType>

simpleType **CountryCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryCode**
facets	enumeration AF enumeration AL

	enumeration DZ enumeration AS enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG enumeration BF enumeration BI enumeration KH enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN enumeration CX enumeration CC enumeration CO enumeration KM enumeration CG enumeration CD enumeration CK enumeration CR enumeration CI enumeration HR enumeration CU enumeration CY enumeration CZ enumeration DK enumeration DJ enumeration DM enumeration DO enumeration TP enumeration EC enumeration EG enumeration SV enumeration GQ enumeration ER enumeration EE enumeration ET enumeration FK

	enumeration FO enumeration FJ enumeration FI enumeration FR enumeration GF enumeration PF enumeration TF enumeration GA enumeration GM enumeration GE enumeration DE enumeration GH enumeration GI enumeration GR enumeration GL enumeration GD enumeration GP enumeration GU enumeration GT enumeration GN enumeration GW enumeration GY enumeration HT enumeration HM enumeration VA enumeration HN enumeration HK enumeration HU enumeration IS enumeration IN enumeration ID enumeration IR enumeration IQ enumeration IE enumeration IL enumeration IT enumeration JM enumeration JP enumeration JO enumeration KZ enumeration KE enumeration KI enumeration KP enumeration KR enumeration KW enumeration KG enumeration LA enumeration LV enumeration LB enumeration LS enumeration LR enumeration LY enumeration LI enumeration LT enumeration LU enumeration MO enumeration MK enumeration MG enumeration MW enumeration MY enumeration MV enumeration ML enumeration MT enumeration MH enumeration MQ enumeration MR enumeration MU enumeration YT

	enumeration MX enumeration FM enumeration MD enumeration MC enumeration MN enumeration MS enumeration MA enumeration MZ enumeration MM enumeration NA enumeration NR enumeration NP enumeration NL enumeration AN enumeration NC enumeration NZ enumeration NI enumeration NE enumeration NG enumeration NU enumeration NF enumeration MP enumeration NO enumeration OM enumeration K enumeration PW enumeration PS enumeration PA enumeration PG enumeration PY enumeration PE enumeration PH enumeration PN enumeration PL enumeration PT enumeration PR enumeration QA enumeration RE enumeration RO enumeration RU enumeration RW enumeration SH enumeration KN enumeration LC enumeration PM enumeration VC enumeration WS enumeration SM enumeration ST enumeration SA enumeration SN enumeration SC enumeration SL enumeration SG enumeration SK enumeration SI enumeration SB enumeration SO enumeration ZA enumeration GS enumeration ES enumeration LK enumeration SD enumeration SR enumeration SJ enumeration SZ enumeration SE enumeration CH

	enumeration SY enumeration TW enumeration TJ enumeration TZ enumeration TH enumeration TG enumeration TK enumeration TO enumeration TT enumeration TN enumeration TR enumeration TM enumeration TC enumeration TV enumeration UG enumeration UA enumeration AE enumeration GB enumeration US enumeration UM enumeration UY enumeration UZ enumeration VU enumeration VE enumeration VN enumeration VG enumeration VI enumeration WF enumeration EH enumeration YE enumeration YU enumeration ZM enumeration ZW
source	<xsd:simpleType name="CountryCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="AF"/> <xsd:enumeration value="AL"/> <xsd:enumeration value="DZ"/> <xsd:enumeration value="AS"/> <xsd:enumeration value="AD"/> <xsd:enumeration value="AO"/> <xsd:enumeration value="AI"/> <xsd:enumeration value="AQ"/> <xsd:enumeration value="AG"/> <xsd:enumeration value="AR"/> <xsd:enumeration value="AM"/> <xsd:enumeration value="AW"/> <xsd:enumeration value="AU"/> <xsd:enumeration value="AT"/> <xsd:enumeration value="AZ"/> <xsd:enumeration value="BS"/> <xsd:enumeration value="BH"/> <xsd:enumeration value="BD"/> <xsd:enumeration value="BB"/> <xsd:enumeration value="BY"/> <xsd:enumeration value="BE"/> <xsd:enumeration value="BZ"/> <xsd:enumeration value="BJ"/> <xsd:enumeration value="BM"/> <xsd:enumeration value="BT"/> <xsd:enumeration value="BO"/> <xsd:enumeration value="BA"/> <xsd:enumeration value="BW"/> <xsd:enumeration value="BV"/> <xsd:enumeration value="BR"/> <xsd:enumeration value="IO"/> <xsd:enumeration value="BN"/> <xsd:enumeration value="BG"/>

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<xsd:enumeration value="VI"/>
<xsd:enumeration value="WF"/>
<xsd:enumeration value="EH"/>
<xsd:enumeration value="YE"/>
<xsd:enumeration value="YU"/>
```

```
    <xsd:enumeration value="ZM"/>
    <xsd:enumeration value="ZW"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CountryRegionCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryRegionCode**
facets	enumeration AL enumeration BCN enumeration BCS enumeration CAN enumeration CHIS enumeration CHIH enumeration COAH enumeration COL enumeration DF enumeration DGO' enumeration GTO enumeration GRO enumeration HGO enumeration JAL enumeration MEX enumeration MICH enumeration MOR enumeration NAY enumeration NLO enumeration OAX enumeration PUE enumeration QRO enumeration QROO enumeration SLP enumeration SIN enumeration SON enumeration TAB enumeration TAMPS enumeration TLAX enumeration VER enumeration YUC enumeration ZAC enumeration AB enumeration BC enumeration MB enumeration NB enumeration NF enumeration NT enumeration NS enumeration NU enumeration ON enumeration PE enumeration QC enumeration SK enumeration YT enumeration AK enumeration AZ enumeration AR enumeration CA enumeration CO enumeration CT enumeration DE enumeration DC enumeration FL enumeration GA

	enumeration GA enumeration HI enumeration ID enumeration IL enumeration IN enumeration IA enumeration KS enumeration KY enumeration LA enumeration ME enumeration MD enumeration MA enumeration MI enumeration MN enumeration MS enumeration MO enumeration MT enumeration NE enumeration NV enumeration NH enumeration NJ enumeration NM enumeration NY enumeration NC enumeration ND enumeration OH enumeration OK enumeration OR enumeration PA enumeration PR enumeration RI enumeration SC enumeration SD enumeration TN enumeration TX enumeration UT enumeration VT enumeration VA enumeration WA enumeration WV enumeration WI enumeration WY enumeration AGS
source	<xsd:simpleType name="CountryRegionCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="AL"/> <xsd:enumeration value="BCN"/> <xsd:enumeration value="BCS"/> <xsd:enumeration value="CAN"/> <xsd:enumeration value="CHIS"/> <xsd:enumeration value="CHIH"/> <xsd:enumeration value="COAH"/> <xsd:enumeration value="COL"/> <xsd:enumeration value="DF"/> <xsd:enumeration value="DGO"/> <xsd:enumeration value="GTO"/> <xsd:enumeration value="GRO"/> <xsd:enumeration value="HGO"/> <xsd:enumeration value="JAL"/> <xsd:enumeration value="MEX"/> <xsd:enumeration value="MICH"/> <xsd:enumeration value="MOR"/> <xsd:enumeration value="NAY"/> <xsd:enumeration value="NLO"/> <xsd:enumeration value="OAX"/> <xsd:enumeration value="PUE"/> <xsd:enumeration value="QRO"/> <xsd:enumeration value="QROO"/>

```
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<xsd:enumeration value="SON"/>
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<xsd:enumeration value="ID"/>
<xsd:enumeration value="IL"/>
<xsd:enumeration value="IN"/>
<xsd:enumeration value="IA"/>
<xsd:enumeration value="KS"/>
<xsd:enumeration value="KY"/>
<xsd:enumeration value="LA"/>
<xsd:enumeration value="ME"/>
<xsd:enumeration value="MD"/>
<xsd:enumeration value="MA"/>
<xsd:enumeration value="MI"/>
<xsd:enumeration value="MN"/>
<xsd:enumeration value="MS"/>
<xsd:enumeration value="MO"/>
<xsd:enumeration value="MT"/>
<xsd:enumeration value="NE"/>
<xsd:enumeration value="NV"/>
<xsd:enumeration value="NH"/>
<xsd:enumeration value="NJ"/>
<xsd:enumeration value="NM"/>
<xsd:enumeration value="NY"/>
<xsd:enumeration value="NC"/>
<xsd:enumeration value="ND"/>
<xsd:enumeration value="OH"/>
<xsd:enumeration value="OK"/>
<xsd:enumeration value="OR"/>
<xsd:enumeration value="PA"/>
<xsd:enumeration value="PR"/>
<xsd:enumeration value="RI"/>
<xsd:enumeration value="SC"/>
<xsd:enumeration value="SD"/>
<xsd:enumeration value="TN"/>
<xsd:enumeration value="TX"/>
<xsd:enumeration value="UT"/>
<xsd:enumeration value="VT"/>
```

```
    <xsd:enumeration value="VA"/>
    <xsd:enumeration value="WA"/>
    <xsd:enumeration value="WV"/>
    <xsd:enumeration value="WI"/>
    <xsd:enumeration value="WY"/>
    <xsd:enumeration value="AGS"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CurrencyCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Price/@currencyCode**
facets	enumeration USD
source	<xsd:simpleType name="CurrencyCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="USD"/> </xsd:restriction> </xsd:simpleType>

simpleType **DeliveryBasis**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CIF enumeration CIFFO enumeration CNF enumeration CNFFO enumeration Delivered enumeration FAS enumeration FOB enumeration FOB Farm enumeration FST enumeration In-store
source	<xsd:simpleType name="DeliveryBasis"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CIF"/> <xsd:enumeration value="CIFFO"/> <xsd:enumeration value="CNF"/> <xsd:enumeration value="CNFFO"/> <xsd:enumeration value="Delivered"/> <xsd:enumeration value="FAS"/> <xsd:enumeration value="FOB"/> <xsd:enumeration value="FOB Farm"/> <xsd:enumeration value="FST"/> <xsd:enumeration value="In-store"/> </xsd:restriction> </xsd:simpleType>

simpleType **DistanceUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **ProbeSampleDepth/@distanceUnitOfMeasure**

facets	enumeration Centimeters enumeration Feet enumeration Inches enumeration Meters enumeration Yards
source	<xsd:simpleType name="DistanceUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Centimeters"/> <xsd:enumeration value="Feet"/> <xsd:enumeration value="Inches"/> <xsd:enumeration value="Meters"/> <xsd:enumeration value="Yards"/> </xsd:restriction> </xsd:simpleType>

simpleType **EquipmentType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **EquipmentType**
facets	enumeration Auger enumeration Barge enumeration Box enumeration Container enumeration Covered Hopper enumeration Double Trailer enumeration Flat-Bed enumeration Hi-Cube enumeration Hydrolic enumeration Lash Barge enumeration Laker enumeration Open Hopper enumeration Other enumeration Panamax enumeration Rake enumeration Rail enumeration Sacked enumeration Self-Trimming enumeration Self-Unloader enumeration Ship enumeration Small-Cube enumeration Tanker enumeration Truck enumeration Tween-Decker enumeration Unit Train
source	<xsd:simpleType name="EquipmentType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Auger"/> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Box"/> <xsd:enumeration value="Container"/> <xsd:enumeration value="Covered Hopper"/> <xsd:enumeration value="Double Trailer"/> <xsd:enumeration value="Flat-Bed"/> <xsd:enumeration value="Hi-Cube"/> <xsd:enumeration value="Hydrolic"/> <xsd:enumeration value="Lash Barge"/> <xsd:enumeration value="Laker"/> <xsd:enumeration value="Open Hopper"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Panamax"/> <xsd:enumeration value="Rake"/> <xsd:enumeration value="Rail"/>

```
    <xsd:enumeration value="Sacked"/>
    <xsd:enumeration value="Self-Trimming"/>
    <xsd:enumeration value="Self-Unloader"/>
    <xsd:enumeration value="Ship"/>
    <xsd:enumeration value="Small-Cube"/>
    <xsd:enumeration value="Tanker"/>
    <xsd:enumeration value="Truck"/>
    <xsd:enumeration value="Tween-Decker"/>
    <xsd:enumeration value="Unit Train"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FreightPaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Collect enumeration Prepaid

source

```
<xsd:simpleType name="FreightPaymentTermType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Collect"/>
    <xsd:enumeration value="Prepaid"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FreightRateAuthorityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **FreightRateAuthorityType**
facets	enumeration Contract enumeration Quote enumeration Rate enumeration Tariff

source

```
<xsd:simpleType name="FreightRateAuthorityType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Contract"/>
    <xsd:enumeration value="Quote"/>
    <xsd:enumeration value="Rate"/>
    <xsd:enumeration value="Tariff"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FuturesCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration C enumeration DW enumeration KW enumeration MW enumeration NW enumeration O enumeration S enumeration SM enumeration W enumeration XC enumeration XE

	enumeration XE enumeration XO enumeration XS enumeration XW
source	<xsd:simpleType name="FuturesCommodityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="C"/> <xsd:enumeration value="DW"/> <xsd:enumeration value="KW"/> <xsd:enumeration value="MW"/> <xsd:enumeration value="NW"/> <xsd:enumeration value="O"/> <xsd:enumeration value="S"/> <xsd:enumeration value="SM"/> <xsd:enumeration value="W"/> <xsd:enumeration value="XC"/> <xsd:enumeration value="XE"/> <xsd:enumeration value="XO"/> <xsd:enumeration value="XS"/> <xsd:enumeration value="XW"/> </xsd:restriction> </xsd:simpleType>

simpleType **FuturesCommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Oats enumeration Soft Red Winter Wheat enumeration Soybean Meal enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="FuturesCommodityName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soybean Meal"/> <xsd:enumeration value="White Wheat"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **FuturesExchangeCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CBOT enumeration KCBOT enumeration MGE enumeration MIDAM
source	<xsd:simpleType name="FuturesExchangeCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CBOT"/>

```
    <xsd:enumeration value="KCBOT"/>
    <xsd:enumeration value="MGE"/>
    <xsd:enumeration value="MIDAM"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **GoverningTradeRules**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration FOSFA enumeration GAFTA enumeration KCBOT enumeration MGE enumeration NAEGA 2 enumeration NCPA enumeration NGFA enumeration NOPA enumeration PME
source	<xsd:simpleType name="GoverningTradeRules"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="FOSFA"/> <xsd:enumeration value="GAFTA"/> <xsd:enumeration value="KCBOT"/> <xsd:enumeration value="MGE"/> <xsd:enumeration value="NAEGA 2"/> <xsd:enumeration value="NCPA"/> <xsd:enumeration value="NGFA"/> <xsd:enumeration value="NOPA"/> <xsd:enumeration value="PME"/> </xsd:restriction> </xsd:simpleType>

simpleType **GradesToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Destination House enumeration Destination Official enumeration Destination Submit enumeration First Certified enumeration First Official enumeration Origin House enumeration Origin Official enumeration Origin Submit
source	<xsd:simpleType name="GradesToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Destination House"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination Submit"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="Origin House"/> <xsd:enumeration value="Origin Official"/> <xsd:enumeration value="Origin Submit"/> </xsd:restriction> </xsd:simpleType>

simpleType **IdentifierSource**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes **SampleIdentifier/@identifierSource** **CommodityMovementIdentifier/@identifierSource** **EntityIdentifier/@identifierSource** **LocationIdentifier/@identifierSource**
facets	enumeration Agent Internal enumeration Buyer Internal enumeration Dunn & Bradstreet enumeration GIPSA Internal enumeration RapidNet enumeration Seller Internal enumeration Service Provider Internal
source	<xsd:simpleType name="IdentifierSource"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent Internal"/> <xsd:enumeration value="Buyer Internal"/> <xsd:enumeration value="Dunn & Bradstreet"/> <xsd:enumeration value="GIPSA Internal"/> <xsd:enumeration value="RapidNet"/> <xsd:enumeration value="Seller Internal"/> <xsd:enumeration value="Service Provider Internal"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **InspectionClassCode**
facets	enumeration Affidavit enumeration A enumeration B enumeration C enumeration D enumeration E enumeration Other enumeration State Warehouse enumeration U.S. Warehouse Act
source	<xsd:simpleType name="InspectionClassCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Affidavit"/> <xsd:enumeration value="A"/> <xsd:enumeration value="B"/> <xsd:enumeration value="C"/> <xsd:enumeration value="D"/> <xsd:enumeration value="E"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="State Warehouse"/> <xsd:enumeration value="U.S. Warehouse Act"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionLevelType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

used by	element **InspectionLevelType**
facets	enumeration Appeal enumeration Board Appeal enumeration Original enumeration Reinspection enumeration Supervision
source	<xsd:simpleType name="InspectionLevelType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Appeal"/> <xsd:enumeration value="Board Appeal"/> <xsd:enumeration value="Original"/> <xsd:enumeration value="Reinspection"/> <xsd:enumeration value="Supervision"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionProviderType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **InspectionProviderType**
facets	enumeration Federal enumeration House enumeration State enumeration Third Party
source	<xsd:simpleType name="InspectionProviderType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Federal"/> <xsd:enumeration value="House"/> <xsd:enumeration value="State"/> <xsd:enumeration value="Third Party"/> </xsd:restriction> </xsd:simpleType>

simpleType **LocationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **LocationType**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location
source	<xsd:simpleType name="LocationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Facility"/> <xsd:enumeration value="Farm"/> <xsd:enumeration value="Field"/> <xsd:enumeration value="Storage Location"/> </xsd:restriction> </xsd:simpleType>

simpleType **MonthsOfYear**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
facets	enumeration January enumeration February enumeration March enumeration April enumeration May enumeration June enumeration July enumeration August enumeration September enumeration October enumeration November enumeration December
source	<xsd:simpleType name="MonthsOfYear"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="January"/> <xsd:enumeration value="February"/> <xsd:enumeration value="March"/> <xsd:enumeration value="April"/> <xsd:enumeration value="May"/> <xsd:enumeration value="June"/> <xsd:enumeration value="July"/> <xsd:enumeration value="August"/> <xsd:enumeration value="September"/> <xsd:enumeration value="October"/> <xsd:enumeration value="November"/> <xsd:enumeration value="December"/> </xsd:restriction> </xsd:simpleType>

simpleType **PaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration At Time of Settlement enumeration Bill of Lading enumeration Bonded by Warehouse enumeration Cash Against Documents enumeration Cash Against Mates Receipt enumeration Cash in Advance enumeration Draft Bill of Lading enumeration Letter of Credit enumeration Letter of Credit Draft Bill of Lading enumeration Inter-Department Transfer enumeration Net enumeration Prepay enumeration Sight Draft enumeration Wire Transfer enumeration Wire Transfer Against Invoice and Documents enumeration Usual Terms
source	<xsd:simpleType name="PaymentTermType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="At Time of Settlement"/> <xsd:enumeration value="Bill of Lading"/> <xsd:enumeration value="Bonded by Warehouse"/> <xsd:enumeration value="Cash Against Documents"/> <xsd:enumeration value="Cash Against Mates Receipt"/> <xsd:enumeration value="Cash in Advance"/> <xsd:enumeration value="Draft Bill of Lading"/> <xsd:enumeration value="Letter of Credit"/> <xsd:enumeration value="Letter of Credit Draft Bill of Lading"/> <xsd:enumeration value="Inter-Department Transfer"/> <xsd:enumeration value="Net"/>

```
    <xsd:enumeration value="Prepay"/>
    <xsd:enumeration value="Sight Draft"/>
    <xsd:enumeration value="Wire Transfer"/>
    <xsd:enumeration value="Wire Transfer Against Invoice and Documents"/>
    <xsd:enumeration value="Usual Terms"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **PermitIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CLOCK enumeration COT enumeration GEEP enumeration Grain Authorization enumeration Lease enumeration PERX enumeration Pool enumeration Permit enumeration SCO enumeration Voucher

source

```
<xsd:simpleType name="PermitIdentifierType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="CLOCK"/>
    <xsd:enumeration value="COT"/>
    <xsd:enumeration value="GEEP"/>
    <xsd:enumeration value="Grain Authorization"/>
    <xsd:enumeration value="Lease"/>
    <xsd:enumeration value="PERX"/>
    <xsd:enumeration value="Pool"/>
    <xsd:enumeration value="Permit"/>
    <xsd:enumeration value="SCO"/>
    <xsd:enumeration value="Voucher"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **PremiumAndDiscountLimitCondition**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Negotiate enumeration Reject enumeration Subject to Rejection

source

```
<xsd:simpleType name="PremiumAndDiscountLimitCondition">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Negotiate"/>
    <xsd:enumeration value="Reject"/>
    <xsd:enumeration value="Subject to Rejection"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **PremiumAndDiscountMeasurementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Quality Factor enumeration Grade

source	<xsd:simpleType name="PremiumAndDiscountMeasurementType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Quality Factor"/> <xsd:enumeration value="Grade"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountQuantityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Percent of Gross Bushels enumeration Percent of Gross Weight enumeration Percent of Net Bushels enumeration Percent of Net Weight
source	<xsd:simpleType name="PremiumAndDiscountQuantityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Percent of Gross Bushels"/> <xsd:enumeration value="Percent of Gross Weight"/> <xsd:enumeration value="Percent of Net Bushels"/> <xsd:enumeration value="Percent of Net Weight"/> </xsd:restriction> </xsd:simpleType>

simpleType **PricingCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Pricing enumeration Pricing Reversal
source	<xsd:simpleType name="PricingCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Pricing"/> <xsd:enumeration value="Pricing Reversal"/> </xsd:restriction> </xsd:simpleType>

simpleType **PricingMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Exchange enumeration Order enumeration Spot
source	<xsd:simpleType name="PricingMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Exchange"/> <xsd:enumeration value="Order"/> <xsd:enumeration value="Spot"/> </xsd:restriction> </xsd:simpleType>

simpleType **PriceType**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
facets	enumeration Basis enumeration Delayed Price enumeration Flat enumeration Futures
source	<xsd:simpleType name="PriceType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Basis"/> <xsd:enumeration value="Delayed Price"/> <xsd:enumeration value="Flat"/> <xsd:enumeration value="Futures"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityCertificateStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QualityCertificateStatus**
facets	enumeration Canceled enumeration Corrected enumeration Original enumeration Re-issued enumeration Verified
source	<xsd:simpleType name="QualityCertificateStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Canceled"/> <xsd:enumeration value="Corrected"/> <xsd:enumeration value="Original"/> <xsd:enumeration value="Re-issued"/> <xsd:enumeration value="Verified"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityGrouping**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Average per 5-Car Unit enumeration Average per 3-Car Unit enumeration Contract enumeration Cumulative Sum enumeration Hold enumeration Shipment enumeration Sublot enumeration Unit
source	<xsd:simpleType name="QualityGrouping"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Average per 5-Car Unit"/> <xsd:enumeration value="Average per 3-Car Unit"/> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Cumulative Sum"/> <xsd:enumeration value="Hold"/> <xsd:enumeration value="Shipment"/> <xsd:enumeration value="Sublot"/> <xsd:enumeration value="Unit"/> </xsd:restriction> </xsd:simpleType>

simpleType **QuantityDeterminationMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QuantityDeterminationMethod**
facets	enumeration Actual enumeration Draft enumeration Estimated
source	<xsd:simpleType name="QuantityDeterminationMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Actual"/> <xsd:enumeration value="Draft"/> <xsd:enumeration value="Estimated"/> </xsd:restriction> </xsd:simpleType>

simpleType **RouteCarrierSequence**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration 1st Carrier after Origin Carrier enumeration 2nd Carrier after Origin Carrier enumeration 3rd Carrier after Origin Carrier enumeration 4th Carrier after Origin Carrier enumeration 5th Carrier after Origin Carrier enumeration 6th Carrier after Origin Carrier enumeration 7th Carrier after Origin Carrier enumeration 8th Carrier after Origin Carrier enumeration 9th Carrier after Origin Carrier enumeration Delivery Carrier enumeration Delivery Switch Carrier enumeration Origin Carrier enumeration Origin Switch Carrier
source	<xsd:simpleType name="RouteCarrierSequence"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="1st Carrier after Origin Carrier"/> <xsd:enumeration value="2nd Carrier after Origin Carrier"/> <xsd:enumeration value="3rd Carrier after Origin Carrier"/> <xsd:enumeration value="4th Carrier after Origin Carrier"/> <xsd:enumeration value="5th Carrier after Origin Carrier"/> <xsd:enumeration value="6th Carrier after Origin Carrier"/> <xsd:enumeration value="7th Carrier after Origin Carrier"/> <xsd:enumeration value="8th Carrier after Origin Carrier"/> <xsd:enumeration value="9th Carrier after Origin Carrier"/> <xsd:enumeration value="Delivery Carrier"/> <xsd:enumeration value="Delivery Switch Carrier"/> <xsd:enumeration value="Origin Carrier"/> <xsd:enumeration value="Origin Switch Carrier"/> </xsd:restriction> </xsd:simpleType>

simpleType **RouteType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Carrier

	enumeration Shipper
source	<xsd:simpleType name="RouteType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Carrier"/> <xsd:enumeration value="Shipper"/> </xsd:restriction> </xsd:simpleType>

simpleType **SampleMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **SampleMethod**
facets	enumeration Belt enumeration Diverter enumeration Door enumeration Ellis Cup enumeration Mechanical Diverter enumeration Other enumeration Pelican enumeration Probe enumeration Shallow Probe enumeration Woodside
source	<xsd:simpleType name="SampleMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Belt"/> <xsd:enumeration value="Diverter"/> <xsd:enumeration value="Door"/> <xsd:enumeration value="Ellis Cup"/> <xsd:enumeration value="Mechanical Diverter"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Pelican"/> <xsd:enumeration value="Probe"/> <xsd:enumeration value="Shallow Probe"/> <xsd:enumeration value="Woodside"/> </xsd:restriction> </xsd:simpleType>

simpleType **SampleOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **SampleOfficialCategory**
facets	enumeration Official enumeration Submitted
source	<xsd:simpleType name="SampleOfficialCategory"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Official"/> <xsd:enumeration value="Submitted"/> </xsd:restriction> </xsd:simpleType>

simpleType **ScheduleEvent**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
facets	enumeration At Time of Contract Creation enumeration At Time of Load enumeration At Time of Pricing enumeration At Time of Settlement enumeration At Time of Shipment enumeration At Time of Unload
source	<xsd:simpleType name="ScheduleEvent"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="At Time of Contract Creation"/> <xsd:enumeration value="At Time of Load"/> <xsd:enumeration value="At Time of Pricing"/> <xsd:enumeration value="At Time of Settlement"/> <xsd:enumeration value="At Time of Shipment"/> <xsd:enumeration value="At Time of Unload"/> </xsd:restriction> </xsd:simpleType>

simpleType **ServiceEvent**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **ServiceEvent**
facets	enumeration Export enumeration Inbound enumeration Outbound enumeration Submitted enumeration Track
source	<xsd:simpleType name="ServiceEvent"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Export"/> <xsd:enumeration value="Inbound"/> <xsd:enumeration value="Outbound"/> <xsd:enumeration value="Submitted"/> <xsd:enumeration value="Track"/> </xsd:restriction> </xsd:simpleType>

simpleType **ServiceOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **ServiceOfficialCategory**
facets	enumeration Certified enumeration Official enumeration Unofficial
source	<xsd:simpleType name="ServiceOfficialCategory"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Certified"/> <xsd:enumeration value="Official"/> <xsd:enumeration value="Unofficial"/> </xsd:restriction> </xsd:simpleType>

simpleType **SpecialHandlingService**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Destination Weights enumeration Destination Grades enumeration First Official Grades enumeration First Official Weights enumeration LFVC enumeration Official Grades enumeration Official Weights enumeration Origin Weights enumeration Origin Grades enumeration Track Scale Weights enumeration WD enumeration WI enumeration WISD enumeration XP
source	<xsd:simpleType name="SpecialHandlingService"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Destination Weights"/> <xsd:enumeration value="Destination Grades"/> <xsd:enumeration value="First Official Grades"/> <xsd:enumeration value="First Official Weights"/> <xsd:enumeration value="LFVC"/> <xsd:enumeration value="Official Grades"/> <xsd:enumeration value="Official Weights"/> <xsd:enumeration value="Origin Weights"/> <xsd:enumeration value="Origin Grades"/> <xsd:enumeration value="Track Scale Weights"/> <xsd:enumeration value="WD"/> <xsd:enumeration value="WI"/> <xsd:enumeration value="WISD"/> <xsd:enumeration value="XP"/> </xsd:restriction> </xsd:simpleType>

simpleType **SpecialTermName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Advance Rate enumeration Broker Rate enumeration Cancellation Fee enumeration Carrying Charge enumeration Days Load Notice enumeration Demurrage Charge enumeration Despatch Charge enumeration Delayed Price In Charge enumeration Delayed Price Monthly Charge enumeration Fumigation Charge enumeration Interest Charge enumeration Issue Fee enumeration Load Guarantee enumeration Load Port Declaration enumeration Other enumeration Price By Date enumeration Re-price Charge enumeration Roll Fee enumeration Service Charge enumeration Shipment Period Declaration

	enumeration Special Contract Information enumeration Storage In Charge enumeration Storage Monthly Charge
source	<xsd:simpleType name="SpecialTermName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Advance Rate"/> <xsd:enumeration value="Broker Rate"/> <xsd:enumeration value="Cancellation Fee"/> <xsd:enumeration value="Carrying Charge"/> <xsd:enumeration value="Days Load Notice"/> <xsd:enumeration value="Demurrage Charge"/> <xsd:enumeration value="Despatch Charge"/> <xsd:enumeration value="Delayed Price In Charge"/> <xsd:enumeration value="Delayed Price Monthly Charge"/> <xsd:enumeration value="Fumigation Charge"/> <xsd:enumeration value="Interest Charge"/> <xsd:enumeration value="Issue Fee"/> <xsd:enumeration value="Load Guarantee"/> <xsd:enumeration value="Load Port Declaration"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Price By Date"/> <xsd:enumeration value="Re-price Charge"/> <xsd:enumeration value="Roll Fee"/> <xsd:enumeration value="Service Charge"/> <xsd:enumeration value="Shipment Period Declaration"/> <xsd:enumeration value="Special Contract Information"/> <xsd:enumeration value="Storage In Charge"/> <xsd:enumeration value="Storage Monthly Charge"/> </xsd:restriction> </xsd:simpleType>

simpleType **StandardTransportationCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration 01-131 Barley enumeration 01-132 Corn enumeration 01-133 Oats enumeration 01-135 Rye enumeration 01-136 Sorghum Grains enumeration 01-137 Wheat enumeration 01-139 Grain, NEC enumeration 01-141 Cottonseeds enumeration 01-142 Flaxseeds enumeration 01-144 Soybeans enumeration 01-149 Oil Kernals, nuts or seeds enumeration 01-152 Popcorn enumeration 01-159 Seeds enumeration 01-191 Fodder Hay or Roughage enumeration 01-341 Beans, Dry Ripe enumeration 01-342 Peas, Dry enumeration 01-343 Cowpeas, Lentils or Lupines enumeration 01-992 Alfalfa Meal enumeration 20-411 Wheat Flour enumeration 20-412 Wheat bran, middlings enumeration 20-413 Corn meal or flour enumeration 20-414 Rye flour enumeration 20-415 Oat flour enumeration 20-418 Grain mill by-products enumeration 20-419 Flour or other grain mill products, NEC enumeration 20-421 Prepared Feeds enumeration 20-461 Corn syrup enumeration 20-462 Corn starch enumeration 20-463 Corn sugar enumeration 20-464 Dextrine, corn, tapioca or other enumeration 20-465 Corn oil

	enumeration 20-465 Corn oil enumeration 20-466 Other starch enumeration 20-467 Wet process corn or similar mill by-products enumeration 20-469 Wet process corn milling or by-products enumeration 20-471 Bird Food or Seed,Domestic enumeration 20-619 Beet Pulp Pellets enumeration 20-823 Spent Grains enumeration 20-831 Malt enumeration 20-839 Malt Products enumeration 20-859 Distillers By-Products enumeration 20-914 Cottonseed Meal or By-Products enumeration 20-921 Soybean oil enumeration 20-923 Soybean meal and hulls enumeration 20-933 Nut or Vegetable Oils enumeration 20-939 Oil Seed Meals & By-Products, NEC enumeration 20-942 Fish Meal enumeration 20-144 Animal Protein Products enumeration 01-134 Rough Rice enumeration 20-449 Milled Rice, Rice By-Products, etc. enumeration 20-442 Rice Flour enumeration 20-933 Rice Oil enumeration 20-442 Rice Bran enumeration 37-422 Freight cars moving on own-wheels enumeration
source	<xsd:simpleType name="StandardTransportationCommodityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="01-131 Barley"/> <xsd:enumeration value="01-132 Corn"/> <xsd:enumeration value="01-133 Oats"/> <xsd:enumeration value="01-135 Rye"/> <xsd:enumeration value="01-136 Sorghum Grains"/> <xsd:enumeration value="01-137 Wheat"/> <xsd:enumeration value="01-139 Grain, NEC"/> <xsd:enumeration value="01-141 Cottonseeds"/> <xsd:enumeration value="01-142 Flaxseeds"/> <xsd:enumeration value="01-144 Soybeans"/> <xsd:enumeration value="01-149 Oil Kernals, nuts or seeds"/> <xsd:enumeration value="01-152 Popcorn"/> <xsd:enumeration value="01-159 Seeds"/> <xsd:enumeration value="01-191 Fodder Hay or Roughage"/> <xsd:enumeration value="01-341 Beans, Dry Ripe"/> <xsd:enumeration value="01-342 Peas, Dry"/> <xsd:enumeration value="01-343 Cowpeas, Lentils or Lupines"/> <xsd:enumeration value="01-992 Alfalfa Meal"/> <xsd:enumeration value="20-411 Wheat Flour"/> <xsd:enumeration value="20-412 Wheat bran, middlings"/> <xsd:enumeration value="20-413 Corn meal or flour"/> <xsd:enumeration value="20-414 Rye flour"/> <xsd:enumeration value="20-415 Oat flour"/> <xsd:enumeration value="20-418 Grain mill by-products"/> <xsd:enumeration value="20-419 Flour or other grain mill products, NEC"/> <xsd:enumeration value="20-421 Prepared Feeds"/> <xsd:enumeration value="20-461 Corn syrup"/> <xsd:enumeration value="20-462 Corn starch"/> <xsd:enumeration value="20-463 Corn sugar"/> <xsd:enumeration value="20-464 Dextrine, corn, tapioca or other"/> <xsd:enumeration value="20-465 Corn oil"/> <xsd:enumeration value="20-466 Other starch"/> <xsd:enumeration value="20-467 Wet process corn or similar mill by-products"/> <xsd:enumeration value="20-469 Wet process corn milling or by-products"/> <xsd:enumeration value="20-471 Bird Food or Seed,Domestic"/> <xsd:enumeration value="20-619 Beet Pulp Pellets"/> <xsd:enumeration value="20-823 Spent Grains"/> <xsd:enumeration value="20-831 Malt"/> <xsd:enumeration value="20-839 Malt Products"/> <xsd:enumeration value="20-859 Distillers By-Products"/> <xsd:enumeration value="20-914 Cottonseed Meal or By-Products"/> <xsd:enumeration value="20-921 Soybean oil"/>

```
    <xsd:enumeration value="20-923 Soybean meal and hulls"/>
    <xsd:enumeration value="20-933 Nut or Vegetable Oils"/>
    <xsd:enumeration value="20-939 Oil Seed Meals &amp;amp; By-Products, NEC"/>
    <xsd:enumeration value="20-942 Fish Meal"/>
    <xsd:enumeration value="20-144 Animal Protein Products"/>
    <xsd:enumeration value="01-134 Rough Rice"/>
    <xsd:enumeration value="20-449 Milled Rice, Rice By-Products, etc."/>
    <xsd:enumeration value="20-442 Rice Flour"/>
    <xsd:enumeration value="20-933 Rice Oil"/>
    <xsd:enumeration value="20-442 Rice Bran"/>
    <xsd:enumeration value="37-422 Freight cars moving on own-wheels"/>
    <xsd:enumeration value=""/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **TimeUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Day enumeration Hour enumeration Minute enumeration Month enumeration Second enumeration Week enumeration Year

source

```
<xsd:simpleType name="TimeUnitOfMeasure">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Day"/>
    <xsd:enumeration value="Hour"/>
    <xsd:enumeration value="Minute"/>
    <xsd:enumeration value="Month"/>
    <xsd:enumeration value="Second"/>
    <xsd:enumeration value="Week"/>
    <xsd:enumeration value="Year"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **TolerancePricingTerm**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Contract Basis enumeration Contract Flat Price enumeration Market Day After Unload enumeration Market Day of Load

source

```
<xsd:simpleType name="TolerancePricingTerm">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Contract Basis"/>
    <xsd:enumeration value="Contract Flat Price"/>
    <xsd:enumeration value="Market Day After Unload"/>
    <xsd:enumeration value="Market Day of Load"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **TransportationMode**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
used by	element **TransportationMode**
facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck enumeration Vessel
source	<xsd:simpleType name="TransportationMode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="In-store"/> <xsd:enumeration value="Rail"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Vessel"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationProvider**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Agent enumeration Buyer enumeration Seller
source	<xsd:simpleType name="TransportationProvider"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent"/> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Barges enumeration Cars enumeration Holds enumeration Trucks enumeration
source	<xsd:simpleType name="TransportationUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barges"/> <xsd:enumeration value="Cars"/> <xsd:enumeration value="Holds"/> <xsd:enumeration value="Trucks"/> <xsd:enumeration value=""/> </xsd:restriction> </xsd:simpleType>

simpleType **TruckDriverStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

used by	element **TruckDriverStatus**
facets	enumeration Off enumeration On enumeration Unknown
source	<xsd:simpleType name="TruckDriverStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Off"/> <xsd:enumeration value="On"/> <xsd:enumeration value="Unknown"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityMovementStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityMovementStatus**
facets	enumeration Complete Notification enumeration Disposition Notification enumeration Quality Notification enumeration Weight and Quality Notification enumeration Weight Notification
source	<xsd:simpleType name="CommodityMovementStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Complete Notification"/> <xsd:enumeration value="Disposition Notification"/> <xsd:enumeration value="Quality Notification"/> <xsd:enumeration value="Weight and Quality Notification"/> <xsd:enumeration value="Weight Notification"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityMovementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityMovementType**
facets	enumeration Inbound enumeration In-store enumeration Outbound enumeration Paper Trade
source	<xsd:simpleType name="CommodityMovementType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Inbound"/> <xsd:enumeration value="In-store"/> <xsd:enumeration value="Outbound"/> <xsd:enumeration value="Paper Trade"/> </xsd:restriction> </xsd:simpleType>

simpleType **VehicleIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

used by	element **VehicleIdentifierType**
facets	enumeration Barge enumeration Bar Code enumeration Bill of Lading enumeration Contract enumeration Description enumeration Driver Name enumeration Load Order enumeration Rail Car enumeration Scale Ticket enumeration Trailer License enumeration Truck License enumeration Vessel Hold enumeration Vessel Name
source	<xsd:simpleType name="VehicleIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bar Code"/> <xsd:enumeration value="Bill of Lading"/> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Description"/> <xsd:enumeration value="Driver Name"/> <xsd:enumeration value="Load Order"/> <xsd:enumeration value="Rail Car"/> <xsd:enumeration value="Scale Ticket"/> <xsd:enumeration value="Trailer License"/> <xsd:enumeration value="Truck License"/> <xsd:enumeration value="Vessel Hold"/> <xsd:enumeration value="Vessel Name"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **WeightClassCode**
facets	enumeration Affidavit enumeration House enumeration X enumeration Y enumeration 1 enumeration 2 enumeration 3
source	<xsd:simpleType name="WeightClassCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Affidavit"/> <xsd:enumeration value="House"/> <xsd:enumeration value="X"/> <xsd:enumeration value="Y"/> <xsd:enumeration value="1"/> <xsd:enumeration value="2"/> <xsd:enumeration value="3"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightsToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

facets	enumeration Certified enumeration Destination Certified enumeration Destination Official enumeration Destination or Railroad enumeration First Certified enumeration First Official enumeration First Official or Certified enumeration First Official or Destination enumeration First Official or Railroad enumeration Origin Certified enumeration Origin House enumeration Origin Official
source	<xsd:simpleType name="WeightsToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Certified"/> <xsd:enumeration value="Destination Certified"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination or Railroad"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="First Official or Certified"/> <xsd:enumeration value="First Official or Destination"/> <xsd:enumeration value="First Official or Railroad"/> <xsd:enumeration value="Origin Certified"/> <xsd:enumeration value="Origin House"/> <xsd:enumeration value="Origin Official"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Weight/@weightUnitOfMeasure**
facets	enumeration Hundred Weight enumeration Kilograms enumeration Long tons enumeration Metric tons enumeration Pounds enumeration Short tons
source	<xsd:simpleType name="WeightUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Hundred Weight"/> <xsd:enumeration value="Kilograms"/> <xsd:enumeration value="Long tons"/> <xsd:enumeration value="Metric tons"/> <xsd:enumeration value="Pounds"/> <xsd:enumeration value="Short tons"/> </xsd:restriction> </xsd:simpleType>

11.6 Sample XML Instance Document

```
<?xml version="1.0" encoding="UTF-8" ?>
- <CommodityMovement xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:noNamespaceSchemaLocation="../../../../AgXML/Schemas/CommodityMovement.xsd">
    <CommodityMovementCreateDateTime>2001-06-06T02:02</CommodityMovementCreateDateTime>
    <CommodityMovementLastUpdateDateTime>2001-06-06T02:02</CommodityMovementLastUpdateDateTime>
    <CommodityMovementType>Outbound</CommodityMovementType>
    <CommodityMovementStatus>Weights & Quality Notification</CommodityMovementStatus>
  - <CommodityMovementBuyer>
      - <EntityInformation>
          <EntityName>ADM/Growmark</EntityName>
        - <Address>
            <City>Memphis</City>
            <CountryRegionCode>TN</CountryRegionCode>
          </Address>
        </EntityInformation>
    </CommodityMovementBuyer>
  - <CommodityMovementSeller>
      - <EntityInformation>
          <EntityName>ADM/Growmark</EntityName>
        - <Address>
            <City>Decatur</City>
            <CountryRegionCode>IL</CountryRegionCode>
          </Address>
        </EntityInformation>
    </CommodityMovementSeller>
  - <ShipmentInformation>
      <TransportationMode>Rail</TransportationMode>
    - <FreightCarrier>
        - <EntityInformation>
            <EntityName>CNIC</EntityName>
          </EntityInformation>
      </FreightCarrier>
    - <VehicleIdentification>
        <VehicleIdentifierType>Rail Car</VehicleIdentifierType>
        <RailOrBargeAlphaPrefix>CGAX</RailOrBargeAlphaPrefix>
        <VehicleIdentifier>9125</VehicleIdentifier>
      </VehicleIdentification>
    </ShipmentInformation>
  - <CommodityMovementWeightInformation>
    - <CommodityMovementActualWeightInformation>
      - <WeightCertificate>
        - <WeightCertificateHeader>
            <TransportationMode>Rail</TransportationMode>
          - <IssueDateTime>
              <Date>2001-06-06</Date>
            </IssueDateTime>
            <WeightCertificateIdentifier />
          - <WeightServiceProvider>
            - <EntityInformation>
                <EntityName>ADM/Growmark</EntityName>
              </EntityInformation>
            - <IssuedFrom>
                <LocationInformation />
              </IssuedFrom>
            </WeightServiceProvider>
            <CommodityLocation />
            <ServiceEvent>Outbound</ServiceEvent>
            <EstimatedWeightIndicator>true</EstimatedWeightIndicator>
            <BatchIndicator>false</BatchIndicator>
            <ServiceOfficialCategory>Unofficial</ServiceOfficialCategory>
          </WeightCertificateHeader>
        - <WeightCertificateDetail>
          - <WeightCertificateLine>
            - <VehicleIdentification>
```

```
                        <VehicleIdentifierType>Rail Car</VehicleIdentifierType>
                        <RailOrBargeAlphaPrefix>CGAX</RailOrBargeAlphaPrefix>
                        <VehicleIdentifier>9125</VehicleIdentifier>
                    </VehicleIdentification>
                - <NetWeight>
                        <Weight weightUnitOfMeasure="Pounds">208365.0</Weight>
                    </NetWeight>
                </WeightCertificateLine>
            </WeightCertificateDetail>
        </WeightCertificate>
    </CommodityMovementActualWeightInformation>
</CommodityMovementWeightInformation>
- <CommodityMovementQualityInformation>
    - <CommodityMovementActualQualityInformation>
        - <QualityCertificate>
            - <QualityCertificateHeader>
                - <IssueDateTime>
                        <Date>2001-06-06</Date>
                    </IssueDateTime>
                    <QualityCertificateIdentifier>CGAX 9125</QualityCertificateIdentifier>
                - <InspectionServiceProvider>
                    - <EntityInformation>
                            <EntityName>ADM/Growmark</EntityName>
                        </EntityInformation>
                    - <IssuedFrom>
                            <LocationInformation />
                        </IssuedFrom>
                    </InspectionServiceProvider>
                    <ServiceRequester />
                - <CommodityInformation>
                        <CommodityGroup>Corn</CommodityGroup>
                    </CommodityInformation>
                    <CommodityLocation />
                    <ServiceOfficialCategory>Official</ServiceOfficialCategory>
                    <InspectionProviderType>Federal</InspectionProviderType>
                    <InspectionLevelType>Original</InspectionLevelType>
                </QualityCertificateHeader>
            - <QualityCertificateDetail>
                - <QualityCertificateLine>
                    - <QualityInformation>
                            <QualityFactorCode>TW</QualityFactorCode>

                                <CommodityStandardsAuthorityCode>GIPSA</CommodityStandards
                                AuthorityCode>
                        - <QualityFactorMeasurement>
                            <QualityFactorValue qualityFactorUnitOfMeasure="Pounds Per
                                Bushel">58.3</QualityFactorValue>
                        </QualityFactorMeasurement>
                    </QualityInformation>
                </QualityCertificateLine>
                - <QualityCertificateLine>
                    - <QualityInformation>
                            <QualityFactorCode>M</QualityFactorCode>

                                <CommodityStandardsAuthorityCode>GIPSA</CommodityStandards
                                AuthorityCode>
                        - <QualityFactorMeasurement>
                            <QualityFactorValue
                                qualityFactorUnitOfMeasure="Percent">13.6</QualityFactorV
                                alue>
                        </QualityFactorMeasurement>
                    </QualityInformation>
                </QualityCertificateLine>
                - <QualityCertificateLine>
                    - <QualityInformation>
                            <QualityFactorCode>DK</QualityFactorCode>

                                <CommodityStandardsAuthorityCode>GIPSA</CommodityStandards
```

```
                        AuthorityCode>
                    - <QualityFactorMeasurement>
                        <QualityFactorValue
                            qualityFactorUnitOfMeasure="Percent">1.4</QualityFactorVal
                            ue>
                      </QualityFactorMeasurement>
                  </QualityInformation>
              </QualityCertificateLine>
            - <QualityCertificateLine>
                - <QualityInformation>
                    <QualityFactorCode>FM</QualityFactorCode>

                        <CommodityStandardsAuthorityCode>GIPSA</CommodityStandards
                        AuthorityCode>
                    - <QualityFactorMeasurement>
                        <QualityFactorValue
                            qualityFactorUnitOfMeasure="Percent">1.5</QualityFactorVal
                            ue>
                      </QualityFactorMeasurement>
                  </QualityInformation>
              </QualityCertificateLine>
          </QualityCertificateDetail>
      </QualityCertificate>
  </CommodityMovementActualQualityInformation>
</CommodityMovementQualityInformation>
</CommodityMovement>
```

12 Commodity Quality Certificate

12.1 Schema Documentation

schema location: C:\AgXML\Schemas\QualityCertificate.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
InspectionClassCode
InspectionDateTime
InspectionLevelType
InspectionProviderType
InspectionServiceProvider
Inspector
LotQuantity
NotifyParty
OldQualityCertificateIdentifier
ProbeSampleDepth
QualityCertificate
QualityCertificateDetail
QualityCertificateHeader
QualityCertificateIdentifier
QualityCertificateLine
QualityCertificateStatus
SampleIdentifier
SampleInformation
SampleMethod
SampleOfficialCategory
SampleTakenDateTime
SampleWeight
ServiceRequester

schema location: C:\AgXML\Schemas\cCertificateInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
BatchIndicator
CommodityLocation
CommodityMovementIdentifier
Date
EquipmentType
FormIdentifier
FormIdentifierSource
FormInformation
FormVersion
IssueDateTime
IssuedFrom
RailOrBargeAlphaPrefix
RailShipmentIdentifier
ServiceEvent
ServiceOfficialCategory
Time
TransportationMode
VehicleIdentification
VehicleIdentifier
VehicleIdentifierType

Weight
WeightCertificateIdentifier

schema location: C:\AgXML\Schemas\cCommodityInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommodityClass
CommodityGroup
CommodityInformation
CommodityName
CommodityNameCode
CommoditySpecialGrade
CommodityStandardGrade
CommodityStandardGradeOptionalDesignation
CommodityStandardsAuthorityCode
CommoditySubClass
ConditionExistsFlag
QualityFactorCode
QualityFactorMeasurement
QualityFactorName
QualityFactorValue
QualityInformation
Remark
StandardTransportationCommodityCode

schema location: C:\AgXML\Schemas\cContactInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommunicationCode
CommunicationInformation
CommunicationMethod
ContactInformation
ContactName
JobTitle

schema location: C:\AgXML\Schemas\cEntityInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
EntityIdentifier
EntityInformation
EntityName
EntityType

schema location: C:\AgXML\Schemas\Glossary.xsd
targetNamespace: **http://www.agxml.org/schemas**

schema location: C:\AgXML\Schemas\dtCommodityClass.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityClass

schema location: C:\AgXML\Schemas\dtCommodityGroup.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityGroup

schema location: C:\AgXML\Schemas\dtCommodityName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityName

schema location: C:\AgXML\Schemas\dtCommodityNameCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityNameCode

schema location: C:\AgXML\Schemas\dtCommoditySpecialGrade.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySpecialGrade

schema location: C:\AgXML\Schemas\dtCommodityStandardGrade.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGrade

schema location: C:\AgXML\Schemas\dtCommodityStandardGradeOptionalDesignation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGradeOptionalDesignation

schema location: C:\AgXML\Schemas\dtCommodityStandardsAuthorityCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardsAuthorityCode

schema location: C:\AgXML\Schemas\dtCommoditySubClass.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySubClass

schema location: C:\AgXML\Schemas\dtQualityFactorCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorCode

schema location: C:\AgXML\Schemas\dtQualityFactorName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorName

schema location: C:\AgXML\Schemas\dtQualityFactorUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorUnitOfMeasure

schema location: C:\AgXML\Schemas\dtRemarkType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RemarkType

schema location: **C:\AgXML\Schemas\dtCommunicationMethod.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommunicationMethod

schema location: **C:\AgXML\Schemas\cAddress.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Elements
Address
AddressLine
City
CountryCode
CountryRegionCode
County
CountyFIPSCode
PostalCode

schema location: **C:\AgXML\Schemas\cLocationInformation.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Elements
LocationIdentifier
LocationInformation
LocationName
LocationType

schema location: **C:\AgXML\Schemas\dtEntityType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
EntityType

schema location: **C:\AgXML\Schemas\dtApplicationType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ApplicationType

schema location: C:\AgXML\Schemas\dtBasisLocationMarket.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BasisLocationMarket

schema location: C:\AgXML\Schemas\dtBillOfLadingIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingIdentifierType

schema location: C:\AgXML\Schemas\dtBillOfLadingType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingType

schema location: C:\AgXML\Schemas\dtBuyerSellerCall.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BuyerSellerCall

schema location: C:\AgXML\Schemas\dtCommodityUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityUnitOfMeasure

schema location: C:\AgXML\Schemas\dtContractOriginator.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ContractOriginator

schema location: C:\AgXML\Schemas\dtCountryCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryCode

schema location: C:\AgXML\Schemas\dtCountryRegionCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryRegionCode

schema location: C:\AgXML\Schemas\dtCurrencyCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CurrencyCode

schema location: C:\AgXML\Schemas\dtDeliveryBasis.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DeliveryBasis

schema location: C:\AgXML\Schemas\dtDistanceUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DistanceUnitOfMeasure

schema location: C:\AgXML\Schemas\dtEquipmentType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
EquipmentType

schema location: C:\AgXML\Schemas\dtFreightPaymentTermType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightPaymentTermType

schema location: **C:\AgXML\Schemas\dtFreightRateAuthorityType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightRateAuthorityType

schema location: **C:\AgXML\Schemas\dtFuturesCommodityCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityCode

schema location: **C:\AgXML\Schemas\dtFuturesCommodityName.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityName

schema location: **C:\AgXML\Schemas\dtFuturesExchangeCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesExchangeCode

schema location: **C:\AgXML\Schemas\dtGoverningTradeRules.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GoverningTradeRules

schema location: **C:\AgXML\Schemas\dtGradesToGovern.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GradesToGovern

schema location: **C:\AgXML\Schemas\dtIdentifierSource.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
IdentifierSource

schema location: **C:\AgXML\Schemas\dtInspectionClassCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionClassCode

schema location: **C:\AgXML\Schemas\dtInspectionLevelType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionLevelType

schema location: **C:\AgXML\Schemas\dtInspectionProviderType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionProviderType

schema location: **C:\AgXML\Schemas\dtLocationType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
LocationType

schema location: **C:\AgXML\Schemas\dtMonthsOfYear.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
MonthsOfYear

schema location: C:\AgXML\Schemas\dtPaymentTermType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PaymentTermType

schema location: C:\AgXML\Schemas\dtPermitIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PermitIdentifierType

schema location: C:\AgXML\Schemas\dtPremiumAndDiscountLimitCondition.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountLimitCondition

schema location: C:\AgXML\Schemas\dtPremiumAndDiscountMeasurementType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountMeasurementType

schema location: C:\AgXML\Schemas\dtPremiumAndDiscountQuantityType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountQuantityType

schema location: C:\AgXML\Schemas\dtPricingCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingCode

schema location: C:\AgXML\Schemas\dtPricingMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingMethod

schema location: C:\AgXML\Schemas\dtPriceType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PriceType

schema location: C:\AgXML\Schemas\dtQualityCertificateStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityCertificateStatus

schema location: C:\AgXML\Schemas\dtQualityGrouping.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityGrouping

schema location: C:\AgXML\Schemas\dtQuantityDeterminationMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QuantityDeterminationMethod

schema location: C:\AgXML\Schemas\dtRouteCarrierSequence.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteCarrierSequence

schema location: C:\AgXML\Schemas\dtRouteType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteType

schema location: **C:\AgXML\Schemas\dtSampleMethod.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleMethod

schema location: **C:\AgXML\Schemas\dtSampleOfficialCategory.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleOfficialCategory

schema location: **C:\AgXML\Schemas\dtScheduleEvent.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ScheduleEvent

schema location: **C:\AgXML\Schemas\dtServiceEvent.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceEvent

schema location: **C:\AgXML\Schemas\dtServiceOfficialCategory.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceOfficialCategory

schema location: **C:\AgXML\Schemas\dtSpecialHandlingService.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialHandlingService

schema location: C:\AgXML\Schemas\dtSpecialTermName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialTermName

schema location: C:\AgXML\Schemas\dtStandardTransportationCommodityCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
StandardTransportationCommodityCode

schema location: C:\AgXML\Schemas\dtTimeUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TimeUnitOfMeasure

schema location: C:\AgXML\Schemas\dtTolerancePricingTerm.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TolerancePricingTerm

schema location: C:\AgXML\Schemas\dtTransportationMode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationMode

schema location: C:\AgXML\Schemas\dtTransportationProvider.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationProvider

schema location: C:\AgXML\Schemas\dtTransportationUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationUnitOfMeasure

schema location: C:\AgXML\Schemas\dtTruckDriverStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TruckDriverStatus

schema location: C:\AgXML\Schemas\dtCommodityMovementStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementStatus

schema location: C:\AgXML\Schemas\dtCommodityMovementType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementType

schema location: C:\AgXML\Schemas\dtVehicleIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
VehicleIdentifierType

schema location: C:\AgXML\Schemas\dtWeightClassCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightClassCode

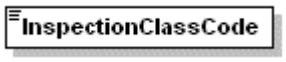
schema location: C:\AgXML\Schemas\dtWeightsToGovern.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightsToGovern

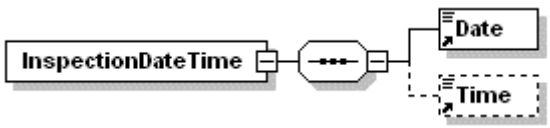
schema location: C:\AgXML\Schemas\dtWeightUnitofMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightUnitOfMeasure

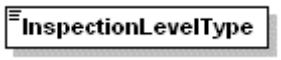
element **InspectionClassCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**InspectionClassCode**
used by	element **QualityCertificateHeader**
facets	enumeration Affidavit enumeration A enumeration B enumeration C enumeration D enumeration E enumeration Other enumeration State Warehouse enumeration U.S. Warehouse Act
source	<xsd:element name="InspectionClassCode" type="InspectionClassCode"/>

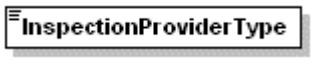
element **InspectionDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	**Date** **Time**
used by	element **QualityCertificateHeader**
source	<xsd:element name="InspectionDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

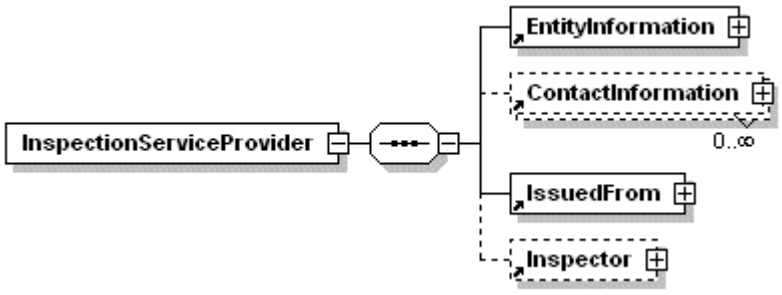
element **InspectionLevelType**

diagram	
namespace	http://www.agxml.org/schemas
type	InspectionLevelType
used by	element QualityCertificateHeader
facets	enumeration Appeal enumeration Board Appeal enumeration Original enumeration Reinspection enumeration Supervision
source	<xsd:element name="InspectionLevelType" type="InspectionLevelType"/>

element **InspectionProviderType**

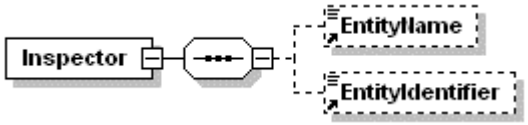
diagram	
namespace	http://www.agxml.org/schemas
type	InspectionProviderType
used by	element QualityCertificateHeader
facets	enumeration Federal enumeration House enumeration State enumeration Third Party
source	<xsd:element name="InspectionProviderType" type="InspectionProviderType"/>

element **InspectionServiceProvider**

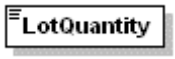
diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation IssuedFrom Inspector
used by	element QualityCertificateHeader
source	<xsd:element name="InspectionServiceProvider"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="IssuedFrom"/> <xsd:element ref="Inspector" minOccurs="0"/>

```
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

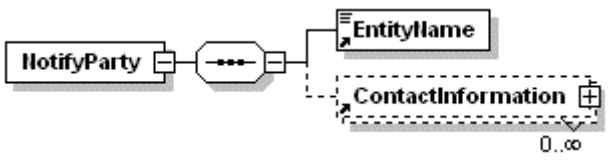
element **Inspector**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityName** **EntityIdentifier**
used by	element **InspectionServiceProvider**
source	<xsd:element name="Inspector"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityName" minOccurs="0"/> <xsd:element ref="EntityIdentifier" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **LotQuantity**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **QualityCertificateHeader**
attributes	Name: commodityUnitOfMeasure; Type: CommodityUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="LotQuantity"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **NotifyParty**

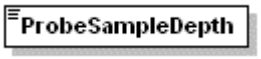
diagram	
namespace	http://www.agxml.org/schemas
children	**EntityName** **ContactInformation**

used by	element QualityCertificateHeader
source	<xsd:element name="NotifyParty"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityName"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

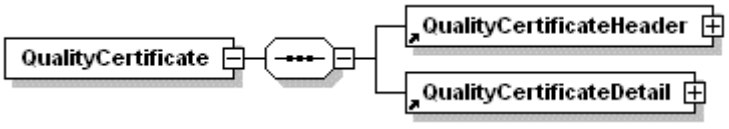
element **OldQualityCertificateIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element QualityCertificateHeader
source	<xsd:element name="OldQualityCertificateIdentifier" type="xsd:string"/>

element **ProbeSampleDepth**

diagram					
namespace	http://www.agxml.org/schemas				
type	extension of **xsd:integer**				
used by	element SampleInformation				
attributes	Name distanceUnitOfMeasure	Type DistanceUnitOfMeasure	Use required	Default	Fixed
source	<xsd:element name="ProbeSampleDepth"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:integer"> <xsd:attribute name="distanceUnitOfMeasure" type="DistanceUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>				

element **QualityCertificate**

diagram	
namespace	http://www.agxml.org/schemas
children	QualityCertificateHeader QualityCertificateDetail
source	<xsd:element name="QualityCertificate"> <xsd:complexType> <xsd:sequence>

```
    <xsd:element ref="QualityCertificateHeader"/>
    <xsd:element ref="QualityCertificateDetail"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

element **QualityCertificateDetail**

diagram	
namespace	http://www.agxml.org/schemas
children	**QualityCertificateLine**
used by	element **QualityCertificate**
source	<xsd:element name="QualityCertificateDetail"> <xsd:complexType> <xsd:sequence minOccurs="0" maxOccurs="unbounded"> <xsd:element ref="QualityCertificateLine"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **QualityCertificateHeader**

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diagram

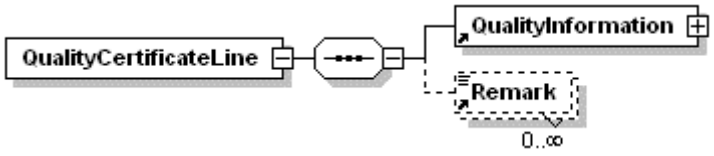
FormInformation
RailShipmentIdentifier
VehicleIdentification
0..∞
EquipmentType
CommodityMovementIdentifier
0..∞
TransportationMode
IssueDateTime
InspectionDateTime
QualityCertificateIdentifier
QualityCertificateStatus
OldQualityCertificateIdentifier
WeightCertificateIdentifier
QualityCertificateHeader
InspectionServiceProvider
ServiceRequester
NotifyParty
0..∞
Remark
0..∞
CommodityInformation
CommodityLocation
LotQuantity
ServiceEvent
ServiceOfficialCategory
InspectionProviderType
InspectionLevelType
InspectionClassCode
SampleInformation
0..∞

namespace	http://www.agxml.org/schemas
children	FormInformation RailShipmentIdentifier VehicleIdentification EquipmentType CommodityMovementIdentifier TransportationMode IssueDateTime InspectionDateTime QualityCertificateIdentifier QualityCertificateStatus OldQualityCertificateIdentifier WeightCertificateIdentifier InspectionServiceProvider ServiceRequester NotifyParty Remark CommodityInformation CommodityLocation LotQuantity ServiceEvent ServiceOfficialCategory InspectionProviderType InspectionLevelType InspectionClassCode SampleInformation
used by	element QualityCertificate
source	<xsd:element name="QualityCertificateHeader"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FormInformation" minOccurs="0"/> <xsd:element ref="RailShipmentIdentifier" minOccurs="0"/> <xsd:element ref="VehicleIdentification" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="EquipmentType" minOccurs="0"/> <xsd:element ref="CommodityMovementIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="TransportationMode" minOccurs="0"/> <xsd:element ref="IssueDateTime"/> <xsd:element ref="InspectionDateTime" minOccurs="0"/> <xsd:element ref="QualityCertificateIdentifier"/> <xsd:element ref="QualityCertificateStatus" minOccurs="0"/> <xsd:element ref="OldQualityCertificateIdentifier" minOccurs="0"/> <xsd:element ref="WeightCertificateIdentifier" minOccurs="0"/> <xsd:element ref="InspectionServiceProvider"/> <xsd:element ref="ServiceRequester"/> <xsd:element ref="NotifyParty" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="CommodityInformation"/> <xsd:element ref="CommodityLocation" minOccurs="0"/> <xsd:element ref="LotQuantity" minOccurs="0"/> <xsd:element ref="ServiceEvent" minOccurs="0"/> <xsd:element ref="ServiceOfficialCategory"/> <xsd:element ref="InspectionProviderType" minOccurs="0"/> <xsd:element ref="InspectionLevelType"/> <xsd:element ref="InspectionClassCode" minOccurs="0"/> <xsd:element ref="SampleInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **QualityCertificateIdentifier**

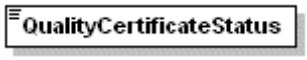
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element QualityCertificateHeader
source	<xsd:element name="QualityCertificateIdentifier" type="xsd:string"/>

element **QualityCertificateLine**

diagram	

namespace	http://www.agxml.org/schemas
children	QualityInformation Remark
used by	element QualityCertificateDetail
source	<xsd:element name="QualityCertificateLine"> <xsd:complexType> <xsd:sequence> <xsd:element ref="QualityInformation"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

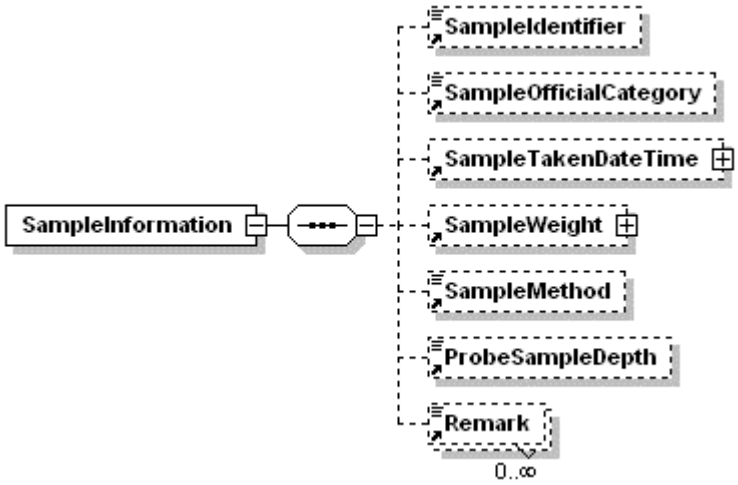
element **QualityCertificateStatus**

diagram	
namespace	http://www.agxml.org/schemas
type	QualityCertificateStatus
used by	element QualityCertificateHeader
facets	enumeration Canceled enumeration Corrected enumeration Original enumeration Re-issued enumeration Verified
source	<xsd:element name="QualityCertificateStatus" type="QualityCertificateStatus"/>

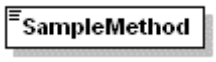
element **SampleIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element SampleInformation
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="SampleIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **SampleInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	SampleIdentifier SampleOfficialCategory SampleTakenDateTime SampleWeight SampleMethod ProbeSampleDepth Remark
used by	element QualityCertificateHeader
source	<xsd:element name="SampleInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="SampleIdentifier" minOccurs="0"/> <xsd:element ref="SampleOfficialCategory" minOccurs="0"/> <xsd:element ref="SampleTakenDateTime" minOccurs="0"/> <xsd:element ref="SampleWeight" minOccurs="0"/> <xsd:element ref="SampleMethod" minOccurs="0"/> <xsd:element ref="ProbeSampleDepth" minOccurs="0"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **SampleMethod**

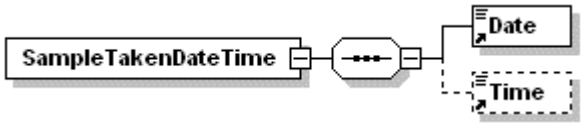
diagram	
namespace	http://www.agxml.org/schemas
type	SampleMethod
used by	element SampleInformation
facets	enumeration Belt enumeration Diverter enumeration Door enumeration Ellis Cup enumeration Mechanical Diverter enumeration Other enumeration Pelican enumeration Probe enumeration Shallow Probe enumeration Woodside

source	<xsd:element name="SampleMethod" type="SampleMethod"/>

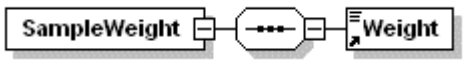
element **SampleOfficialCategory**

diagram	
namespace	http://www.agxml.org/schemas
type	SampleOfficialCategory
used by	element SampleInformation
facets	enumeration Official enumeration Submitted
source	<xsd:element name="SampleOfficialCategory" type="SampleOfficialCategory"/>

element **SampleTakenDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	Date Time
used by	element SampleInformation
source	<xsd:element name="SampleTakenDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **SampleWeight**

diagram	
namespace	http://www.agxml.org/schemas
children	Weight
used by	element SampleInformation
source	<xsd:element name="SampleWeight"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Weight"/> </xsd:sequence> </xsd:complexType> </xsd:element>

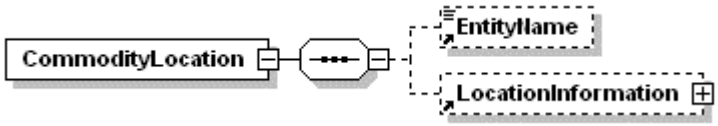
element **ServiceRequester**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation**
used by	element **QualityCertificateHeader**
source	<xsd:element name="ServiceRequester"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

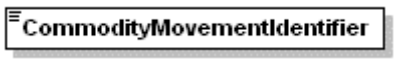
element **BatchIndicator**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
source	<xsd:element name="BatchIndicator" type="xsd:boolean"/>

element **CommodityLocation**

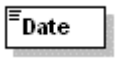
diagram	
namespace	http://www.agxml.org/schemas
children	**EntityName** **LocationInformation**
used by	element **QualityCertificateHeader**
source	<xsd:element name="CommodityLocation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityName" minOccurs="0"/> <xsd:element ref="LocationInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityMovementIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**

used by	element **QualityCertificateHeader**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="CommodityMovementIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

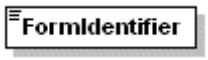
element **Date**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:date**
used by	elements **InspectionDateTime** **IssueDateTime** **SampleTakenDateTime**
source	<xsd:element name="Date" type="xsd:date"/>

element **EquipmentType**

diagram	
namespace	http://www.agxml.org/schemas
type	**EquipmentType**
used by	element **QualityCertificateHeader**
facets	enumeration Auger enumeration Barge enumeration Box enumeration Container enumeration Covered Hopper enumeration Double Trailer enumeration Flat-Bed enumeration Hi-Cube enumeration Hydrolic enumeration Lash Barge enumeration Laker enumeration Open Hopper enumeration Other enumeration Panamax enumeration Rake enumeration Rail enumeration Sacked enumeration Self-Trimming enumeration Self-Unloader enumeration Ship enumeration Small-Cube enumeration Tanker enumeration Truck enumeration Tween-Decker enumeration Unit Train
source	<xsd:element name="EquipmentType" type="EquipmentType"/>

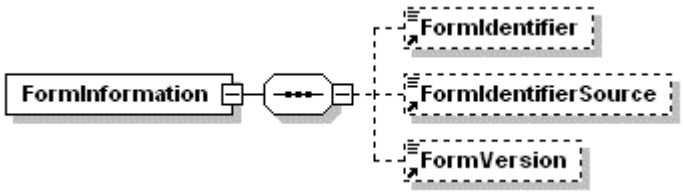
element **FormIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FormInformation**
source	<xsd:element name="FormIdentifier" type="xsd:string"/>

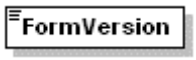
element **FormIdentifierSource**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FormInformation**
source	<xsd:element name="FormIdentifierSource" type="xsd:string"/>

element **FormInformation**

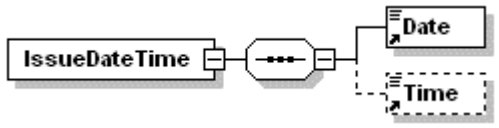
diagram	
namespace	http://www.agxml.org/schemas
children	**FormIdentifier** **FormIdentifierSource** **FormVersion**
used by	element **QualityCertificateHeader**
source	<xsd:element name="FormInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FormIdentifier" minOccurs="0"/> <xsd:element ref="FormIdentifierSource" minOccurs="0"/> <xsd:element ref="FormVersion" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **FormVersion**

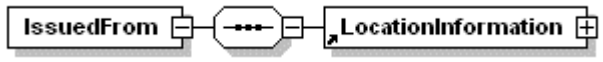
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**

used by	element **FormInformation**
source	<xsd:element name="FormVersion" type="xsd:string"/>

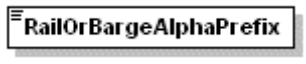
element **IssueDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	**Date** **Time**
used by	element **QualityCertificateHeader**
source	<xsd:element name="IssueDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

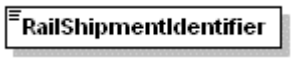
element **IssuedFrom**

diagram	
namespace	http://www.agxml.org/schemas
children	**LocationInformation**
used by	element **InspectionServiceProvider**
source	<xsd:element name="IssuedFrom"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **RailOrBargeAlphaPrefix**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **VehicleIdentification**
source	<xsd:element name="RailOrBargeAlphaPrefix" type="xsd:string"/>

element **RailShipmentIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **QualityCertificateHeader**
source	<xsd:element name="RailShipmentIdentifier" type="xsd:string"/>

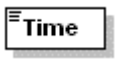
element **ServiceEvent**

diagram	
namespace	http://www.agxml.org/schemas
type	**ServiceEvent**
used by	element **QualityCertificateHeader**
facets	enumeration Export enumeration Inbound enumeration Outbound enumeration Submitted enumeration Track
source	<xsd:element name="ServiceEvent" type="ServiceEvent"/>

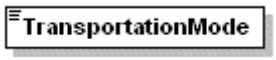
element **ServiceOfficialCategory**

diagram	
namespace	http://www.agxml.org/schemas
type	**ServiceOfficialCategory**
used by	element **QualityCertificateHeader**
facets	enumeration Certified enumeration Official enumeration Unofficial
source	<xsd:element name="ServiceOfficialCategory" type="ServiceOfficialCategory"/>

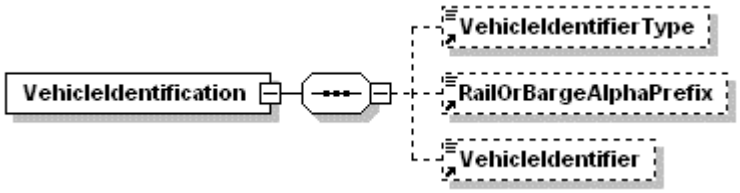
element **Time**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:time**
used by	elements **InspectionDateTime** **IssueDateTime** **SampleTakenDateTime**
source	<xsd:element name="Time" type="xsd:time"/>

element **TransportationMode**

diagram	
namespace	http://www.agxml.org/schemas
type	**TransportationMode**
used by	element **QualityCertificateHeader**
facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck enumeration Vessel
source	<xsd:element name="TransportationMode" type="TransportationMode"/>

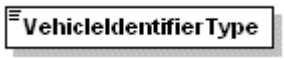
element **VehicleIdentification**

diagram	
namespace	http://www.agxml.org/schemas
children	**VehicleIdentifierType** **RailOrBargeAlphaPrefix** **VehicleIdentifier**
used by	element **QualityCertificateHeader**
source	<xsd:element name="VehicleIdentification"> <xsd:complexType> <xsd:sequence> <xsd:element ref="VehicleIdentifierType" minOccurs="0"/> <xsd:element ref="RailOrBargeAlphaPrefix" minOccurs="0"/> <xsd:element ref="VehicleIdentifier" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

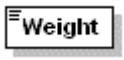
element **VehicleIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **VehicleIdentification**
source	<xsd:element name="VehicleIdentifier" type="xsd:string"/>

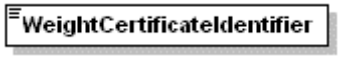
element **VehicleIdentifierType**

diagram	
namespace	http://www.agxml.org/schemas
type	**VehicleIdentifierType**
used by	element **VehicleIdentification**
facets	enumeration Barge enumeration Bar Code enumeration Bill of Lading enumeration Contract enumeration Description enumeration Driver Name enumeration Load Order enumeration Rail Car enumeration Scale Ticket enumeration Trailer License enumeration Truck License enumeration Vessel Hold enumeration Vessel Name
source	<xsd:element name="VehicleIdentifierType" type="VehicleIdentifierType"/>

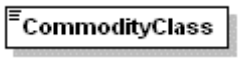
element **Weight**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **SampleWeight**
attributes	Name: weightUnitOfMeasure; Type: WeightUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="Weight"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="weightUnitOfMeasure" type="WeightUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

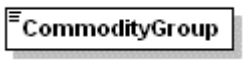
element **WeightCertificateIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **QualityCertificateHeader**
source	<xsd:element name="WeightCertificateIdentifier" type="xsd:string"/>

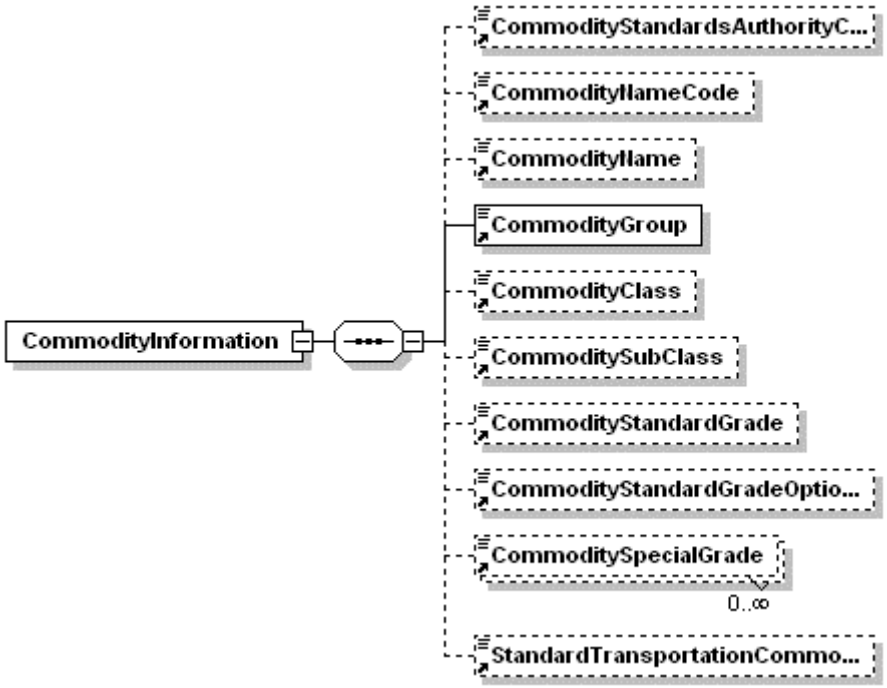
element **CommodityClass**

diagram	
namespace	http://www.agxml.org/schemas
type	**CommodityClass**
used by	element **CommodityInformation**
facets	enumeration Barley enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="CommodityClass" type="CommodityClass"/>

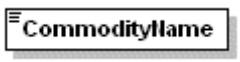
element **CommodityGroup**

diagram	
namespace	http://www.agxml.org/schemas
type	**CommodityGroup**
used by	element **CommodityInformation**
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain enumeration Non-standardized Grain enumeration Oats enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:element name="CommodityGroup" type="CommodityGroup"/>

element **CommodityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	CommodityStandardsAuthorityCode CommodityNameCode CommodityName CommodityGroup CommodityClass CommoditySubClass CommodityStandardGrade CommodityStandardGradeOptionalDesignation CommoditySpecialGrade StandardTransportationCommodityCode
used by	element QualityCertificateHeader
source	<xsd:element name="CommodityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommodityStandardsAuthorityCode" minOccurs="0"/> <xsd:element ref="CommodityNameCode" minOccurs="0"/> <xsd:element ref="CommodityName" minOccurs="0"/> <xsd:element ref="CommodityGroup"/> <xsd:element ref="CommodityClass" minOccurs="0"/> <xsd:element ref="CommoditySubClass" minOccurs="0"/> <xsd:element ref="CommodityStandardGrade" minOccurs="0"/> <xsd:element ref="CommodityStandardGradeOptionalDesignation" minOccurs="0"/> <xsd:element ref="CommoditySpecialGrade" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="StandardTransportationCommodityCode" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityName**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityName

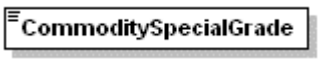
used by	element **CommodityInformation**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat enumeration White Corn enumeration White Sorghum enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="CommodityName" type="CommodityName"/>

element **CommodityNameCode**

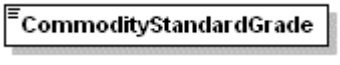
diagram	
namespace	http://www.agxml.org/schemas
type	**CommodityNameCode**
used by	element **CommodityInformation**
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K enumeration N enumeration NS enumeration O

	enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:element name="CommodityNameCode" type="CommodityNameCode"/>

element **CommoditySpecialGrade**

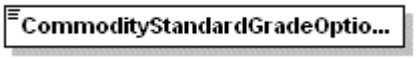
diagram	
namespace	http://www.agxml.org/schemas
type	CommoditySpecialGrade
used by	element CommodityInformation
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy
source	<xsd:element name="CommoditySpecialGrade" type="CommoditySpecialGrade"/>

element **CommodityStandardGrade**

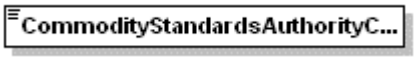
diagram	
namespace	http://www.agxml.org/schemas

type	CommodityStandardGrade
used by	element CommodityInformation
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5 enumeration U.S. Sample
source	<xsd:element name="CommodityStandardGrade" type="CommodityStandardGrade"/>

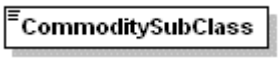
element **CommodityStandardGradeOptionalDesignation**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardGradeOptionalDesignation
used by	element CommodityInformation
facets	enumeration Or Better
source	<xsd:element name="CommodityStandardGradeOptionalDesignation" type="CommodityStandardGradeOptionalDesignation"/>

element **CommodityStandardsAuthorityCode**

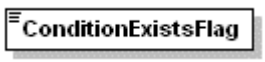
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardsAuthorityCode
used by	elements CommodityInformation QualityInformation
facets	enumeration GIPSA enumeration Industry
source	<xsd:element name="CommodityStandardsAuthorityCode" type="CommodityStandardsAuthorityCode"/>

element **CommoditySubClass**

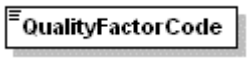
diagram	
namespace	http://www.agxml.org/schemas
type	CommoditySubClass
used by	element CommodityInformation
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley

	enumeration Soft White Wheat enumeration Two-rowed Barley enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:element name="CommoditySubClass" type="CommoditySubClass"/>

element **ConditionExistsFlag**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **QualityFactorMeasurement**
source	<xsd:element name="ConditionExistsFlag" type="xsd:boolean"/>

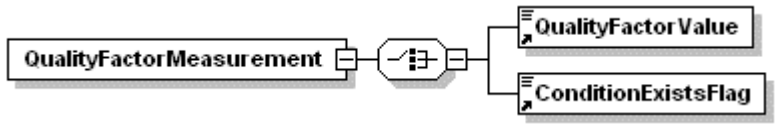
element **QualityFactorCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**QualityFactorCode**
used by	element **QualityInformation**
facets	enumeration ADM enumeration AFLATOXIN enumeration ANFL enumeration BADS enumeration BADW enumeration BC enumeration BCFM enumeration BLCH enumeration BLAL enumeration BLB enumeration BLIT enumeration BN enumeration BNFM enumeration BNS enumeration BRDX enumeration BRIT enumeration C enumeration CADM enumeration CBUR enumeration CCL enumeration CH enumeration CL enumeration COFO enumeration CROT enumeration CRSE enumeration CSF enumeration CSTB enumeration DEF enumeration DENT enumeration DGK enumeration DH enumeration DHV enumeration DIAT enumeration DISC enumeration DK

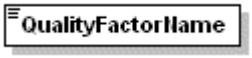
	enumeration	DK
	enumeration	DKT
	enumeration	DKG
	enumeration	DLQ
	enumeration	DYED
	enumeration	EHVY
	enumeration	ERC
	enumeration	ERG
	enumeration	FDK
	enumeration	FINE
	enumeration	FLIN
	enumeration	FLAD
	enumeration	FM
	enumeration	FMOR
	enumeration	FMOW
	enumeration	FMWR
	enumeration	FN
	enumeration	FSUB
	enumeration	GAR
	enumeration	GARB
	enumeration	GLAS
	enumeration	GERM
	enumeration	GLUC
	enumeration	GR
	enumeration	HARD
	enumeration	HT
	enumeration	HRS
	enumeration	HRW
	enumeration	HTG
	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF
	enumeration	IBHT
	enumeration	IBM
	enumeration	IDK
	enumeration	INF
	enumeration	LGAR
	enumeration	LGST
	enumeration	LIME
	enumeration	LSM
	enumeration	LW
	enumeration	M
	enumeration	MB
	enumeration	MDK
	enumeration	MDKG
	enumeration	MOTH
	enumeration	MSFM
	enumeration	MUST
	enumeration	MWTH
	enumeration	NSG
	enumeration	OCL
	enumeration	OCOL
	enumeration	ODK
	enumeration	ODOR
	enumeration	OG
	enumeration	OIL
	enumeration	OLI
	enumeration	OT
	enumeration	OWH
	enumeration	PL
	enumeration	PMS
	enumeration	PROT
	enumeration	RODX
	enumeration	SB
	enumeration	SBAL

	enumeration SBLY enumeration SBOC enumeration SC enumeration SCOR enumeration SCT enumeration SCL enumeration SG enumeration SHBN enumeration SKBN enumeration SKD enumeration SLW enumeration SMUT enumeration SMT enumeration SO enumeration SOUR enumeration SPL enumeration SS enumeration STON enumeration STND enumeration SULF enumeration THIN enumeration TOM enumeration TRET enumeration TW enumeration UMT enumeration UNCL enumeration VOMITOXIN enumeration WASH enumeration WAXY enumeration WB enumeration WBG enumeration WHAL enumeration WHT enumeration WO enumeration WOCL enumeration X
source	<xsd:element name="QualityFactorCode" type="QualityFactorCode"/>

element **QualityFactorMeasurement**

diagram	
namespace	http://www.agxml.org/schemas
children	QualityFactorValue ConditionExistsFlag
used by	element QualityInformation
source	<xsd:element name="QualityFactorMeasurement"> <xsd:complexType> <xsd:choice> <xsd:element ref="QualityFactorValue"/> <xsd:element ref="ConditionExistsFlag"/> </xsd:choice> </xsd:complexType> </xsd:element>

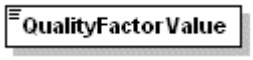
element **QualityFactorName**

diagram	
namespace	http://www.agxml.org/schemas
type	QualityFactorName
used by	element QualityInformation
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass enumeration Broken Kernels enumeration Broken Kernels and Foreign Material enumeration Castor Beans enumeration Choice enumeration Class enumeration Coarse enumeration Cockleburs enumeration Commercially Objectionable Foreign Odor enumeration Conspicuous Admixture enumeration Contrasting Classes enumeration Corn enumeration Crotalaria enumeration Cultivated Sunflower Seed enumeration Damaged Kernels enumeration Damaged Kernels (total) enumeration Dark Hard and Vitreous enumeration Defects (total) enumeration Dehulled enumeration Dent enumeration Diatomaceous Earth enumeration Distinctly Discolored enumeration Distinctly Green Kernels enumeration Distinctly Low Quality enumeration Dockage enumeration Dyed enumeration Ergoty enumeration Erucic Acid enumeration Extra Heavy enumeration Falling Numbers enumeration Fine Foreign Material enumeration Flint enumeration Flint and Dent enumeration Foreign Material enumeration Foreign Material Other than Rye enumeration Foreign Material Other than Wheat enumeration Foreign Material Other than Wheat or Rye enumeration Frost-damaged Kernels enumeration Garlic Bulblets enumeration Garlicky enumeration Glucosinolates

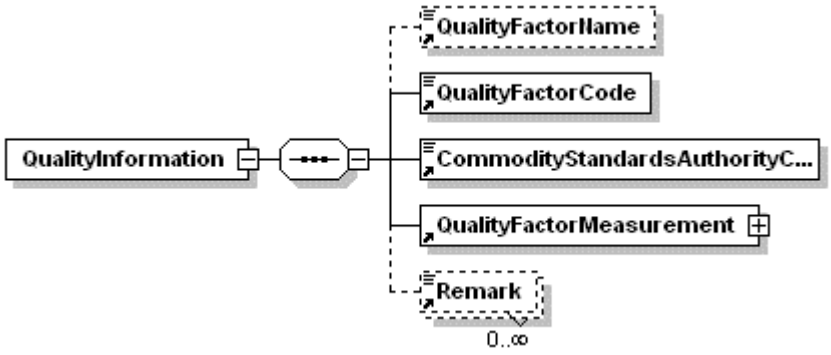
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture
	enumeration	Mold-damaged Kernels
	enumeration	Musty
	enumeration	Not Standardized Grain
	enumeration	Odor
	enumeration	Oil
	enumeration	Other Classes
	enumeration	Other Colors
	enumeration	Other Damaged Kernels
	enumeration	Other Grains
	enumeration	Other Live Insects Injurious to Stored Grain
	enumeration	Other Types
	enumeration	Other White Wheat
	enumeration	Plump
	enumeration	Protein
	enumeration	Purple Mottled or Stained
	enumeration	Rodent Excreta
	enumeration	Sample Grade
	enumeration	Sclerotinia
	enumeration	Scoured
	enumeration	Shrunken and Broken Kernels
	enumeration	Similar Seeds
	enumeration	Skinned and Broken Kernels
	enumeration	Slightly Weathered
	enumeration	Smut Balls
	enumeration	Smutty
	enumeration	Sound Barley
	enumeration	Sound Oats
	enumeration	Sour
	enumeration	Soybeans
	enumeration	Soybeans of Other Colors
	enumeration	Splits
	enumeration	Stained
	enumeration	Stinkbug Damaged
	enumeration	Stones
	enumeration	Stress Cracks
	enumeration	Subclass
	enumeration	Suitable Malting Type
	enumeration	Sulfured
	enumeration	Test Weight
	enumeration	Thin
	enumeration	Total Other Material

	enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:element name="QualityFactorName" type="QualityFactorName"/>

element **QualityFactorValue**

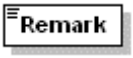
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **QualityFactorMeasurement**
attributes	Name: qualityFactorUnitOfMeasure; Type: QualityFactorUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="QualityFactorValue"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="qualityFactorUnitOfMeasure" type="QualityFactorUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **QualityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	QualityFactorName QualityFactorCode CommodityStandardsAuthorityCode QualityFactorMeasurement Remark
used by	element **QualityCertificateLine**
source	<xsd:element name="QualityInformation">

```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="QualityFactorName" minOccurs="0"/>
    <xsd:element ref="QualityFactorCode"/>
    <xsd:element ref="CommodityStandardsAuthorityCode"/>
    <xsd:element ref="QualityFactorMeasurement"/>
    <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

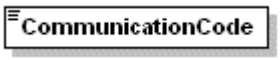
element **Remark**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	elements **QualityCertificateHeader** **QualityCertificateLine** **QualityInformation** **SampleInformation**
attributes	Name: remarkType; Type: RemarkType; Use: ; Default: ; Fixed:
source	<xsd:element name="Remark"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="remarkType" type="RemarkType"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

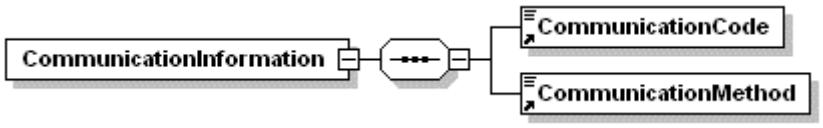
element **StandardTransportationCommodityCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **CommodityInformation**
source	<xsd:element name="StandardTransportationCommodityCode" type="xsd:string"/>

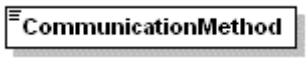
element **CommunicationCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **CommunicationInformation**
source	<xsd:element name="CommunicationCode" type="xsd:string"/>

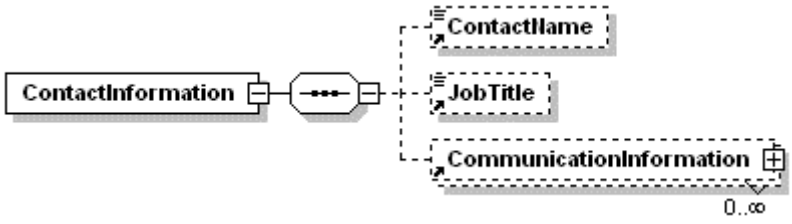
element **CommunicationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	CommunicationCode CommunicationMethod
used by	element ContactInformation
source	<xsd:element name="CommunicationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommunicationCode"/> <xsd:element ref="CommunicationMethod"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommunicationMethod**

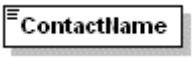
diagram	
namespace	http://www.agxml.org/schemas
type	CommunicationMethod
used by	element CommunicationInformation
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL
source	<xsd:element name="CommunicationMethod" type="CommunicationMethod"/>

element **ContactInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	ContactName JobTitle CommunicationInformation
used by	elements InspectionServiceProvider NotifyParty
source	<xsd:element name="ContactInformation">

```
<xsd:complexType>
 <xsd:sequence>
  <xsd:element ref="ContactName" minOccurs="0"/>
  <xsd:element ref="JobTitle" minOccurs="0"/>
  <xsd:element ref="CommunicationInformation" minOccurs="0" maxOccurs="unbounded"/>
 </xsd:sequence>
</xsd:complexType>
</xsd:element>
```

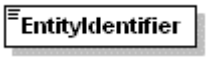
element **ContactName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ContactInformation**
source	<xsd:element name="ContactName" type="xsd:string"/>

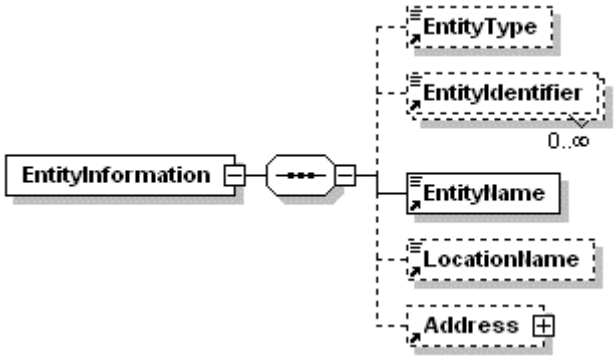
element **JobTitle**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ContactInformation**
source	<xsd:element name="JobTitle" type="xsd:string"/>

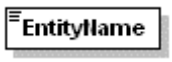
element **EntityIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	elements **EntityInformation** **Inspector**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="EntityIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

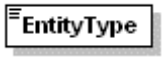
element **EntityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityType** **EntityIdentifier** **EntityName** **LocationName** **Address**
used by	elements **InspectionServiceProvider** **ServiceRequester**
source	<xsd:element name="EntityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityType" minOccurs="0"/> <xsd:element ref="EntityIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="EntityName"/> <xsd:element ref="LocationName" minOccurs="0"/> <xsd:element ref="Address" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **EntityName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **CommodityLocation** **EntityInformation** **Inspector** **NotifyParty**
source	<xsd:element name="EntityName" type="xsd:string"/>

element **EntityType**

diagram	
namespace	http://www.agxml.org/schemas
type	**EntityType**
used by	element **EntityInformation**
facets	enumeration Organization enumeration Person
source	<xsd:element name="EntityType" type="EntityType"/>

simpleType **CommodityClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityClass**
facets	enumeration Barley enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Malting Barley"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Unclassed Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityGroup**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityGroup**
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain enumeration Non-standardized Grain enumeration Oats

	enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:simpleType name="CommodityGroup"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Corn"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Non-standardized Grain"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Soybeans"/> <xsd:enumeration value="Sunflower Seeds"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityName**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat enumeration White Corn enumeration White Sorghum enumeration White Wheat

	enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Blue Malting Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Six Rowed Barley"/> <xsd:enumeration value="Six Rowed Malting Barley"/> <xsd:enumeration value="Six Rowed Blue Malting Barley"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Sunflower Seed"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Two Rowed Barley"/> <xsd:enumeration value="Two Rowed Malting Barley"/> <xsd:enumeration value="Western White Wheat"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="White Wheat"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityNameCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityNameCode**
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K enumeration N enumeration NS enumeration O

	enumeration O enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:simpleType name="CommodityNameCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="ADU"/> <xsd:enumeration value="BLMB"/> <xsd:enumeration value="BLY"/> <xsd:enumeration value="DNS"/> <xsd:enumeration value="DU"/> <xsd:enumeration value="FLAX"/> <xsd:enumeration value="HADU"/> <xsd:enumeration value="HDWH"/> <xsd:enumeration value="HRS"/> <xsd:enumeration value="HRW"/> <xsd:enumeration value="K"/> <xsd:enumeration value="N"/> <xsd:enumeration value="NS"/> <xsd:enumeration value="O"/> <xsd:enumeration value="RS"/> <xsd:enumeration value="RYE"/> <xsd:enumeration value="S"/> <xsd:enumeration value="SF"/> <xsd:enumeration value="SRB"/> <xsd:enumeration value="SRBM"/> <xsd:enumeration value="SRMB"/> <xsd:enumeration value="SRW"/> <xsd:enumeration value="SWH"/> <xsd:enumeration value="TANS"/> <xsd:enumeration value="TRIT"/> <xsd:enumeration value="TRB"/> <xsd:enumeration value="TRMB"/> <xsd:enumeration value="WHCB"/> <xsd:enumeration value="WHC"/> <xsd:enumeration value="WHS"/> <xsd:enumeration value="WW"/> <xsd:enumeration value="WWH"/> <xsd:enumeration value="XC"/> <xsd:enumeration value="XGR"/> <xsd:enumeration value="XS"/> <xsd:enumeration value="XSB"/> <xsd:enumeration value="XWHT"/> <xsd:enumeration value="YC"/> <xsd:enumeration value="YSB"/> </xsd:restriction>

	</xsd:simpleType>

simpleType **CommoditySpecialGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySpecialGrade**
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy
source	<xsd:simpleType name="CommoditySpecialGrade"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Bleached"/> <xsd:enumeration value="Blighted"/> <xsd:enumeration value="Bright"/> <xsd:enumeration value="Ergoty"/> <xsd:enumeration value="Extra Heavy"/> <xsd:enumeration value="Flint"/> <xsd:enumeration value="Flint & Dent"/> <xsd:enumeration value="Garlicky"/> <xsd:enumeration value="Heavy"/> <xsd:enumeration value="Infested"/> <xsd:enumeration value="Light Garlicky"/> <xsd:enumeration value="Light Smutty"/> <xsd:enumeration value="Plump"/> <xsd:enumeration value="Purple Mottled or Stained"/> <xsd:enumeration value="Smutty"/> <xsd:enumeration value="Thin"/> <xsd:enumeration value="Treated"/> <xsd:enumeration value="Waxy"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGrade**
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5 enumeration U.S. Sample

source	<xsd:simpleType name="CommodityStandardGrade"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="U.S. No 1"/> <xsd:enumeration value="U.S. No 2"/> <xsd:enumeration value="U.S. No 3"/> <xsd:enumeration value="U.S. No 4"/> <xsd:enumeration value="U.S. No 5"/> <xsd:enumeration value="U.S. Sample"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardGradeOptionalDesignation**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGradeOptionalDesignation**
facets	enumeration Or Better
source	<xsd:simpleType name="CommodityStandardGradeOptionalDesignation"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Or Better"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardsAuthorityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardsAuthorityCode**
facets	enumeration GIPSA enumeration Industry
source	<xsd:simpleType name="CommodityStandardsAuthorityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="GIPSA"/> <xsd:enumeration value="Industry"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommoditySubClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySubClass**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley enumeration Soft White Wheat enumeration Two-rowed Barley

	enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:simpleType name="CommoditySubClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Six-rowed Barley"/> <xsd:enumeration value="Six-rowed Blue Malting Barley"/> <xsd:enumeration value="Six-rowed Malting Barley"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Two-rowed Barley"/> <xsd:enumeration value="Two-rowed Malting Barley"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="Western White Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityFactorCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QualityFactorCode**
facets	enumeration ADM enumeration AFLATOXIN enumeration ANFL enumeration BADS enumeration BADW enumeration BC enumeration BCFM enumeration BLCH enumeration BLAL enumeration BLB enumeration BLIT enumeration BN enumeration BNFM enumeration BNS enumeration BRDX enumeration BRIT enumeration C enumeration CADM enumeration CBUR enumeration CCL enumeration CH enumeration CL enumeration COFO enumeration CROT enumeration CRSE enumeration CSF enumeration CSTB enumeration DEF enumeration DENT enumeration DGK enumeration DH enumeration DHV enumeration DIAT enumeration DISC enumeration DK enumeration DKT enumeration DKG

	enumeration	DKG
	enumeration	DLQ
	enumeration	DYED
	enumeration	EHVY
	enumeration	ERC
	enumeration	ERG
	enumeration	FDK
	enumeration	FINE
	enumeration	FLIN
	enumeration	FLAD
	enumeration	FM
	enumeration	FMOR
	enumeration	FMOW
	enumeration	FMWR
	enumeration	FN
	enumeration	FSUB
	enumeration	GAR
	enumeration	GARB
	enumeration	GLAS
	enumeration	GERM
	enumeration	GLUC
	enumeration	GR
	enumeration	HARD
	enumeration	HT
	enumeration	HRS
	enumeration	HRW
	enumeration	HTG
	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF
	enumeration	IBHT
	enumeration	IBM
	enumeration	IDK
	enumeration	INF
	enumeration	LGAR
	enumeration	LGST
	enumeration	LIME
	enumeration	LSM
	enumeration	LW
	enumeration	M
	enumeration	MB
	enumeration	MDK
	enumeration	MDKG
	enumeration	MOTH
	enumeration	MSFM
	enumeration	MUST
	enumeration	MWTH
	enumeration	NSG
	enumeration	OCL
	enumeration	OCOL
	enumeration	ODK
	enumeration	ODOR
	enumeration	OG
	enumeration	OIL
	enumeration	OLI
	enumeration	OT
	enumeration	OWH
	enumeration	PL
	enumeration	PMS
	enumeration	PROT
	enumeration	RODX
	enumeration	SB
	enumeration	SBAL
	enumeration	SBLY
	enumeration	SBOC

	enumeration SC enumeration SCOR enumeration SCT enumeration SCL enumeration SG enumeration SHBN enumeration SKBN enumeration SKD enumeration SLW enumeration SMUT enumeration SMT enumeration SO enumeration SOUR enumeration SPL enumeration SS enumeration STON enumeration STND enumeration SULF enumeration THIN enumeration TOM enumeration TRET enumeration TW enumeration UMT enumeration UNCL enumeration VOMITOXIN enumeration WASH enumeration WAXY enumeration WB enumeration WBG enumeration WHAL enumeration WHT enumeration WO enumeration WOCL enumeration X
source	<xsd:simpleType name="QualityFactorCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="ADM"/> <xsd:enumeration value="AFLATOXIN"/> <xsd:enumeration value="ANFL"/> <xsd:enumeration value="BADS"/> <xsd:enumeration value="BADW"/> <xsd:enumeration value="BC"/> <xsd:enumeration value="BCFM"/> <xsd:enumeration value="BLCH"/> <xsd:enumeration value="BLAL"/> <xsd:enumeration value="BLB"/> <xsd:enumeration value="BLIT"/> <xsd:enumeration value="BN"/> <xsd:enumeration value="BNFM"/> <xsd:enumeration value="BNS"/> <xsd:enumeration value="BRDX"/> <xsd:enumeration value="BRIT"/> <xsd:enumeration value="C"/> <xsd:enumeration value="CADM"/> <xsd:enumeration value="CBUR"/> <xsd:enumeration value="CCL"/> <xsd:enumeration value="CH"/> <xsd:enumeration value="CL"/> <xsd:enumeration value="COFO"/> <xsd:enumeration value="CROT"/> <xsd:enumeration value="CRSE"/> <xsd:enumeration value="CSF"/> <xsd:enumeration value="CSTB"/> <xsd:enumeration value="DEF"/> <xsd:enumeration value="DENT"/> <xsd:enumeration value="DGK"/> <xsd:enumeration value="DH"/> <xsd:enumeration value="DHV"/>

```
<xsd:enumeration value="DIAT"/>
<xsd:enumeration value="DISC"/>
<xsd:enumeration value="DK"/>
<xsd:enumeration value="DKT"/>
<xsd:enumeration value="DKG"/>
<xsd:enumeration value="DLQ"/>
<xsd:enumeration value="DYED"/>
<xsd:enumeration value="EHVY"/>
<xsd:enumeration value="ERC"/>
<xsd:enumeration value="ERG"/>
<xsd:enumeration value="FDK"/>
<xsd:enumeration value="FINE"/>
<xsd:enumeration value="FLIN"/>
<xsd:enumeration value="FLAD"/>
<xsd:enumeration value="FM"/>
<xsd:enumeration value="FMOR"/>
<xsd:enumeration value="FMOW"/>
<xsd:enumeration value="FMWR"/>
<xsd:enumeration value="FN"/>
<xsd:enumeration value="FSUB"/>
<xsd:enumeration value="GAR"/>
<xsd:enumeration value="GARB"/>
<xsd:enumeration value="GLAS"/>
<xsd:enumeration value="GERM"/>
<xsd:enumeration value="GLUC"/>
<xsd:enumeration value="GR"/>
<xsd:enumeration value="HARD"/>
<xsd:enumeration value="HT"/>
<xsd:enumeration value="HRS"/>
<xsd:enumeration value="HRW"/>
<xsd:enumeration value="HTG"/>
<xsd:enumeration value="HP"/>
<xsd:enumeration value="HPFM"/>
<xsd:enumeration value="HVAC"/>
<xsd:enumeration value="HVY"/>
<xsd:enumeration value="IADM"/>
<xsd:enumeration value="IBF"/>
<xsd:enumeration value="IBHT"/>
<xsd:enumeration value="IBM"/>
<xsd:enumeration value="IDK"/>
<xsd:enumeration value="INF"/>
<xsd:enumeration value="LGAR"/>
<xsd:enumeration value="LGST"/>
<xsd:enumeration value="LIME"/>
<xsd:enumeration value="LSM"/>
<xsd:enumeration value="LW"/>
<xsd:enumeration value="M"/>
<xsd:enumeration value="MB"/>
<xsd:enumeration value="MDK"/>
<xsd:enumeration value="MDKG"/>
<xsd:enumeration value="MOTH"/>
<xsd:enumeration value="MSFM"/>
<xsd:enumeration value="MUST"/>
<xsd:enumeration value="MWTH"/>
<xsd:enumeration value="NSG"/>
<xsd:enumeration value="OCL"/>
<xsd:enumeration value="OCOL"/>
<xsd:enumeration value="ODK"/>
<xsd:enumeration value="ODOR"/>
<xsd:enumeration value="OG"/>
<xsd:enumeration value="OIL"/>
<xsd:enumeration value="OLI"/>
<xsd:enumeration value="OT"/>
<xsd:enumeration value="OWH"/>
<xsd:enumeration value="PL"/>
<xsd:enumeration value="PMS"/>
<xsd:enumeration value="PROT"/>
<xsd:enumeration value="RODX"/>
```

```
    <xsd:enumeration value="SB"/>
    <xsd:enumeration value="SBAL"/>
    <xsd:enumeration value="SBLY"/>
    <xsd:enumeration value="SBOC"/>
    <xsd:enumeration value="SC"/>
    <xsd:enumeration value="SCOR"/>
    <xsd:enumeration value="SCT"/>
    <xsd:enumeration value="SCL"/>
    <xsd:enumeration value="SG"/>
    <xsd:enumeration value="SHBN"/>
    <xsd:enumeration value="SKBN"/>
    <xsd:enumeration value="SKD"/>
    <xsd:enumeration value="SLW"/>
    <xsd:enumeration value="SMUT"/>
    <xsd:enumeration value="SMT"/>
    <xsd:enumeration value="SO"/>
    <xsd:enumeration value="SOUR"/>
    <xsd:enumeration value="SPL"/>
    <xsd:enumeration value="SS"/>
    <xsd:enumeration value="STON"/>
    <xsd:enumeration value="STND"/>
    <xsd:enumeration value="SULF"/>
    <xsd:enumeration value="THIN"/>
    <xsd:enumeration value="TOM"/>
    <xsd:enumeration value="TRET"/>
    <xsd:enumeration value="TW"/>
    <xsd:enumeration value="UMT"/>
    <xsd:enumeration value="UNCL"/>
    <xsd:enumeration value="VOMITOXIN"/>
    <xsd:enumeration value="WASH"/>
    <xsd:enumeration value="WAXY"/>
    <xsd:enumeration value="WB"/>
    <xsd:enumeration value="WBG"/>
    <xsd:enumeration value="WHAL"/>
    <xsd:enumeration value="WHT"/>
    <xsd:enumeration value="WO"/>
    <xsd:enumeration value="WOCL"/>
    <xsd:enumeration value="X"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QualityFactorName**
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass enumeration Broken Kernels enumeration Broken Kernels and Foreign Material enumeration Castor Beans

	enumeration	Castor Beans
	enumeration	Choice
	enumeration	Class
	enumeration	Coarse
	enumeration	Cockleburs
	enumeration	Commercially Objectionable Foreign Odor
	enumeration	Conspicuous Admixture
	enumeration	Contrasting Classes
	enumeration	Corn
	enumeration	Crotalaria
	enumeration	Cultivated Sunflower Seed
	enumeration	Damaged Kernels
	enumeration	Damaged Kernels (total)
	enumeration	Dark Hard and Vitreous
	enumeration	Defects (total)
	enumeration	Dehulled
	enumeration	Dent
	enumeration	Diatomaceous Earth
	enumeration	Distinctly Discolored
	enumeration	Distinctly Green Kernels
	enumeration	Distinctly Low Quality
	enumeration	Dockage
	enumeration	Dyed
	enumeration	Ergoty
	enumeration	Erucic Acid
	enumeration	Extra Heavy
	enumeration	Falling Numbers
	enumeration	Fine Foreign Material
	enumeration	Flint
	enumeration	Flint and Dent
	enumeration	Foreign Material
	enumeration	Foreign Material Other than Rye
	enumeration	Foreign Material Other than Wheat
	enumeration	Foreign Material Other than Wheat or Rye
	enumeration	Frost-damaged Kernels
	enumeration	Garlic Bulblets
	enumeration	Garlicky
	enumeration	Glucosinolates
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture
	enumeration	Mold-damaged Kernels
	enumeration	Musty
	enumeration	Not Standardized Grain

	enumeration Odor enumeration Oil enumeration Other Classes enumeration Other Colors enumeration Other Damaged Kernels enumeration Other Grains enumeration Other Live Insects Injurious to Stored Grain enumeration Other Types enumeration Other White Wheat enumeration Plump enumeration Protein enumeration Purple Mottled or Stained enumeration Rodent Excreta enumeration Sample Grade enumeration Sclerotinia enumeration Scoured enumeration Shrunken and Broken Kernels enumeration Similar Seeds enumeration Skinned and Broken Kernels enumeration Slightly Weathered enumeration Smut Balls enumeration Smutty enumeration Sound Barley enumeration Sound Oats enumeration Sour enumeration Soybeans enumeration Soybeans of Other Colors enumeration Splits enumeration Stained enumeration Stinkbug Damaged enumeration Stones enumeration Stress Cracks enumeration Subclass enumeration Suitable Malting Type enumeration Sulfured enumeration Test Weight enumeration Thin enumeration Total Other Material enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:simpleType name="QualityFactorName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Admixture"/> <xsd:enumeration value="Aflatoxin"/> <xsd:enumeration value="Angoumois Moths"/> <xsd:enumeration value="Animal Filth"/> <xsd:enumeration value="Badly Stained"/> <xsd:enumeration value="Badly Weathered"/> <xsd:enumeration value="Bird Excreta"/> <xsd:enumeration value="Bleached"/> <xsd:enumeration value="Blight"/> <xsd:enumeration value="Blue Aleurone"/> <xsd:enumeration value="Blue Barley"/> <xsd:enumeration value="Bottom Not Sampled"/> <xsd:enumeration value="Bright"/> <xsd:enumeration value="Broken Corn"/>

```
<xsd:enumeration value="Broken Corn and  Foreign Material"/>
<xsd:enumeration value="Broken Glass"/>
<xsd:enumeration value="Broken Kernels"/>
<xsd:enumeration value="Broken Kernels and Foreign Material"/>
<xsd:enumeration value="Castor Beans"/>
<xsd:enumeration value="Choice"/>
<xsd:enumeration value="Class"/>
<xsd:enumeration value="Coarse"/>
<xsd:enumeration value="Cockleburs"/>
<xsd:enumeration value="Commercially Objectionable Foreign Odor"/>
<xsd:enumeration value="Conspicuous Admixture"/>
<xsd:enumeration value="Contrasting Classes"/>
<xsd:enumeration value="Corn"/>
<xsd:enumeration value="Crotalaria"/>
<xsd:enumeration value="Cultivated Sunflower Seed"/>
<xsd:enumeration value="Damaged Kernels"/>
<xsd:enumeration value="Damaged Kernels (total)"/>
<xsd:enumeration value="Dark  Hard  and  Vitreous"/>
<xsd:enumeration value="Defects (total)"/>
<xsd:enumeration value="Dehulled"/>
<xsd:enumeration value="Dent"/>
<xsd:enumeration value="Diatomaceous Earth"/>
<xsd:enumeration value="Distinctly Discolored"/>
<xsd:enumeration value="Distinctly Green Kernels"/>
<xsd:enumeration value="Distinctly Low Quality"/>
<xsd:enumeration value="Dockage"/>
<xsd:enumeration value="Dyed"/>
<xsd:enumeration value="Ergoty"/>
<xsd:enumeration value="Erucic Acid"/>
<xsd:enumeration value="Extra Heavy"/>
<xsd:enumeration value="Falling Numbers"/>
<xsd:enumeration value="Fine Foreign Material"/>
<xsd:enumeration value="Flint"/>
<xsd:enumeration value="Flint and Dent"/>
<xsd:enumeration value="Foreign Material"/>
<xsd:enumeration value="Foreign Material Other than Rye"/>
<xsd:enumeration value="Foreign Material Other than Wheat"/>
<xsd:enumeration value="Foreign Material Other than Wheat or Rye"/>
<xsd:enumeration value="Frost-damaged Kernels"/>
<xsd:enumeration value="Garlic Bulblets"/>
<xsd:enumeration value="Garlicky"/>
<xsd:enumeration value="Glucosinolates"/>
<xsd:enumeration value="Germ"/>
<xsd:enumeration value="Grain"/>
<xsd:enumeration value="Handpicked"/>
<xsd:enumeration value="Handpicked Foreign Material"/>
<xsd:enumeration value="Hard and Vitreous Kernels of Amber Color"/>
<xsd:enumeration value="Hard Kernels"/>
<xsd:enumeration value="Heat-damaged Kernels"/>
<xsd:enumeration value="Hard Red Winter"/>
<xsd:enumeration value="Hard Red Spring"/>
<xsd:enumeration value="Heating"/>
<xsd:enumeration value="Heavy"/>
<xsd:enumeration value="Inconspicuous Admixture"/>
<xsd:enumeration value="Infested"/>
<xsd:enumeration value="Injured by Frost"/>
<xsd:enumeration value="Injured by Heat"/>
<xsd:enumeration value="Injured by Mold"/>
<xsd:enumeration value="Insect-damaged Kernels"/>
<xsd:enumeration value="Large stones  etc."/>
<xsd:enumeration value="Light Garlicky"/>
<xsd:enumeration value="Light Smutty"/>
<xsd:enumeration value="Limed"/>
<xsd:enumeration value="Machine Separated Broken Kernels and FM"/>
<xsd:enumeration value="Malting Barley"/>
<xsd:enumeration value="Materially Weathered"/>
<xsd:enumeration value="Mechanically Separated Dockage"/>
<xsd:enumeration value="Mixed"/>
```

```
    <xsd:enumeration value="Moisture"/>
    <xsd:enumeration value="Mold-damaged Kernels"/>
    <xsd:enumeration value="Musty"/>
    <xsd:enumeration value="Not Standardized Grain"/>
    <xsd:enumeration value="Odor"/>
    <xsd:enumeration value="Oil"/>
    <xsd:enumeration value="Other Classes"/>
    <xsd:enumeration value="Other Colors"/>
    <xsd:enumeration value="Other Damaged Kernels"/>
    <xsd:enumeration value="Other Grains"/>
    <xsd:enumeration value="Other Live Insects Injurious to Stored Grain"/>
    <xsd:enumeration value="Other Types"/>
    <xsd:enumeration value="Other White Wheat"/>
    <xsd:enumeration value="Plump"/>
    <xsd:enumeration value="Protein"/>
    <xsd:enumeration value="Purple Mottled or Stained"/>
    <xsd:enumeration value="Rodent Excreta"/>
    <xsd:enumeration value="Sample Grade"/>
    <xsd:enumeration value="Sclerotinia"/>
    <xsd:enumeration value="Scoured"/>
    <xsd:enumeration value="Shrunken and Broken Kernels"/>
    <xsd:enumeration value="Similar Seeds"/>
    <xsd:enumeration value="Skinned and Broken Kernels"/>
    <xsd:enumeration value="Slightly Weathered"/>
    <xsd:enumeration value="Smut Balls"/>
    <xsd:enumeration value="Smutty"/>
    <xsd:enumeration value="Sound Barley"/>
    <xsd:enumeration value="Sound Oats"/>
    <xsd:enumeration value="Sour"/>
    <xsd:enumeration value="Soybeans"/>
    <xsd:enumeration value="Soybeans of Other Colors"/>
    <xsd:enumeration value="Splits"/>
    <xsd:enumeration value="Stained"/>
    <xsd:enumeration value="Stinkbug Damaged"/>
    <xsd:enumeration value="Stones"/>
    <xsd:enumeration value="Stress Cracks"/>
    <xsd:enumeration value="Subclass"/>
    <xsd:enumeration value="Suitable Malting Type"/>
    <xsd:enumeration value="Sulfured"/>
    <xsd:enumeration value="Test Weight"/>
    <xsd:enumeration value="Thin"/>
    <xsd:enumeration value="Total Other Material"/>
    <xsd:enumeration value="Treated"/>
    <xsd:enumeration value="Unclassed Wheat"/>
    <xsd:enumeration value="Unknown Foreign Substance"/>
    <xsd:enumeration value="Unsuitable Malting Type"/>
    <xsd:enumeration value="Vomitoxin"/>
    <xsd:enumeration value="Washed"/>
    <xsd:enumeration value="Waxy"/>
    <xsd:enumeration value="Weevils (live)"/>
    <xsd:enumeration value="Wheat"/>
    <xsd:enumeration value="Wheat of Other Classes"/>
    <xsd:enumeration value="White Aleurone"/>
    <xsd:enumeration value="Wild Brome Grass Seed"/>
    <xsd:enumeration value="Wild Buckwheat"/>
    <xsd:enumeration value="Wild Oats"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute QualityFactorValue/@qualityFactorUnitOfMeasure

facets	enumeration Count enumeration Kilograms Per Hectoliter enumeration Parts Per Billion enumeration Parts Per Million enumeration Percent enumeration Pounds Per Bushel
source	<xsd:simpleType name="QualityFactorUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Count"/> <xsd:enumeration value="Kilograms Per Hectoliter"/> <xsd:enumeration value="Parts Per Billion"/> <xsd:enumeration value="Parts Per Million"/> <xsd:enumeration value="Percent"/> <xsd:enumeration value="Pounds Per Bushel"/> </xsd:restriction> </xsd:simpleType>

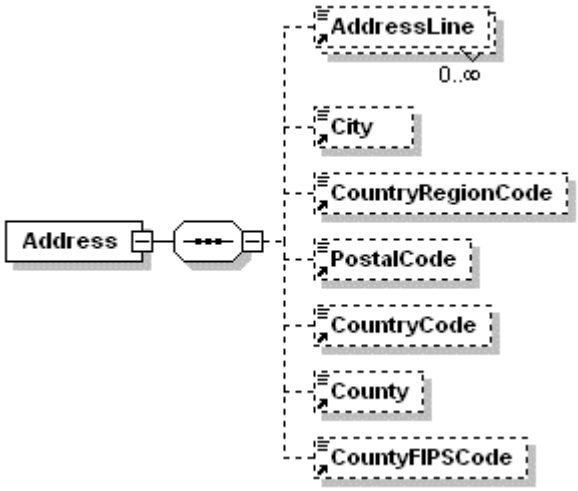
simpleType **RemarkType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Remark/@remarkType**
facets	enumeration Header enumeration Footer
source	<xsd:simpleType name="RemarkType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Header"/> <xsd:enumeration value="Footer"/> </xsd:restriction> </xsd:simpleType>

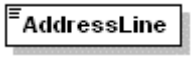
simpleType **CommunicationMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommunicationMethod**
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL
source	<xsd:simpleType name="CommunicationMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Cell Phone"/> <xsd:enumeration value="Desk Phone"/> <xsd:enumeration value="Email"/> <xsd:enumeration value="Fax"/> <xsd:enumeration value="FTP Site"/> <xsd:enumeration value="Pager"/> <xsd:enumeration value="Telex"/> <xsd:enumeration value="URL"/> </xsd:restriction> </xsd:simpleType>

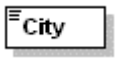
element **Address**

diagram	
namespace	http://www.agxml.org/schemas
children	AddressLine City CountryRegionCode PostalCode CountryCode County CountyFIPSCode
used by	elements EntityInformation LocationInformation
source	<xsd:element name="Address"> <xsd:complexType> <xsd:sequence> <xsd:element ref="AddressLine" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="City" minOccurs="0"/> <xsd:element ref="CountryRegionCode" minOccurs="0"/> <xsd:element ref="PostalCode" minOccurs="0"/> <xsd:element ref="CountryCode" minOccurs="0"/> <xsd:element ref="County" minOccurs="0"/> <xsd:element ref="CountyFIPSCode" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **AddressLine**

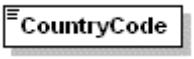
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element Address
source	<xsd:element name="AddressLine" type="xsd:string"/>

element **City**

diagram	
namespace	http://www.agxml.org/schemas

type	**xsd:string**
used by	element **Address**
source	<xsd:element name="City" type="xsd:string"/>

element **CountryCode**

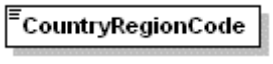
diagram	
namespace	http://www.agxml.org/schemas
type	**CountryCode**
used by	element **Address**
facets	enumeration AF enumeration AL enumeration DZ enumeration AS enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG enumeration BF enumeration BI enumeration KH enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN enumeration CX enumeration CC enumeration CO enumeration KM enumeration CG enumeration CD

	enumeration CK enumeration CR enumeration CI enumeration HR enumeration CU enumeration CY enumeration CZ enumeration DK enumeration DJ enumeration DM enumeration DO enumeration TP enumeration EC enumeration EG enumeration SV enumeration GQ enumeration ER enumeration EE enumeration ET enumeration FK enumeration FO enumeration FJ enumeration FI enumeration FR enumeration GF enumeration PF enumeration TF enumeration GA enumeration GM enumeration GE enumeration DE enumeration GH enumeration GI enumeration GR enumeration GL enumeration GD enumeration GP enumeration GU enumeration GT enumeration GN enumeration GW enumeration GY enumeration HT enumeration HM enumeration VA enumeration HN enumeration HK enumeration HU enumeration IS enumeration IN enumeration ID enumeration IR enumeration IQ enumeration IE enumeration IL enumeration IT enumeration JM enumeration JP enumeration JO enumeration KZ enumeration KE enumeration KI enumeration KP enumeration KR enumeration KW enumeration KG enumeration LA enumeration LV

	enumeration LB enumeration LS enumeration LR enumeration LY enumeration LI enumeration LT enumeration LU enumeration MO enumeration MK enumeration MG enumeration MW enumeration MY enumeration MV enumeration ML enumeration MT enumeration MH enumeration MQ enumeration MR enumeration MU enumeration YT enumeration MX enumeration FM enumeration MD enumeration MC enumeration MN enumeration MS enumeration MA enumeration MZ enumeration MM enumeration NA enumeration NR enumeration NP enumeration NL enumeration AN enumeration NC enumeration NZ enumeration NI enumeration NE enumeration NG enumeration NU enumeration NF enumeration MP enumeration NO enumeration OM enumeration K enumeration PW enumeration PS enumeration PA enumeration PG enumeration PY enumeration PE enumeration PH enumeration PN enumeration PL enumeration PT enumeration PR enumeration QA enumeration RE enumeration RO enumeration RU enumeration RW enumeration SH enumeration KN enumeration LC enumeration PM enumeration VC enumeration WS enumeration SM

	enumeration ST enumeration SA enumeration SN enumeration SC enumeration SL enumeration SG enumeration SK enumeration SI enumeration SB enumeration SO enumeration ZA enumeration GS enumeration ES enumeration LK enumeration SD enumeration SR enumeration SJ enumeration SZ enumeration SE enumeration CH enumeration SY enumeration TW enumeration TJ enumeration TZ enumeration TH enumeration TG enumeration TK enumeration TO enumeration TT enumeration TN enumeration TR enumeration TM enumeration TC enumeration TV enumeration UG enumeration UA enumeration AE enumeration GB enumeration US enumeration UM enumeration UY enumeration UZ enumeration VU enumeration VE enumeration VN enumeration VG enumeration VI enumeration WF enumeration EH enumeration YE enumeration YU enumeration ZM enumeration ZW
source	<xsd:element name="CountryCode" type="CountryCode"/>

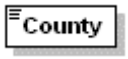
element **CountryRegionCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**CountryRegionCode**
used by	element **Address**

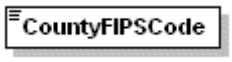
facets	enumeration	AL
	enumeration	BCN
	enumeration	BCS
	enumeration	CAN
	enumeration	CHIS
	enumeration	CHIH
	enumeration	COAH
	enumeration	COL
	enumeration	DF
	enumeration	DGO'
	enumeration	GTO
	enumeration	GRO
	enumeration	HGO
	enumeration	JAL
	enumeration	MEX
	enumeration	MICH
	enumeration	MOR
	enumeration	NAY
	enumeration	NLO
	enumeration	OAX
	enumeration	PUE
	enumeration	QRO
	enumeration	QROO
	enumeration	SLP
	enumeration	SIN
	enumeration	SON
	enumeration	TAB
	enumeration	TAMPS
	enumeration	TLAX
	enumeration	VER
	enumeration	YUC
	enumeration	ZAC
	enumeration	AB
	enumeration	BC
	enumeration	MB
	enumeration	NB
	enumeration	NF
	enumeration	NT
	enumeration	NS
	enumeration	NU
	enumeration	ON
	enumeration	PE
	enumeration	QC
	enumeration	SK
	enumeration	YT
	enumeration	AK
	enumeration	AZ
	enumeration	AR
	enumeration	CA
	enumeration	CO
	enumeration	CT
	enumeration	DE
	enumeration	DC
	enumeration	FL
	enumeration	GA
	enumeration	HI
	enumeration	ID
	enumeration	IL
	enumeration	IN
	enumeration	IA
	enumeration	KS
	enumeration	KY
	enumeration	LA
	enumeration	ME
	enumeration	MD
	enumeration	MA
	enumeration	MI
	enumeration	MN

	enumeration MS enumeration MO enumeration MT enumeration NE enumeration NV enumeration NH enumeration NJ enumeration NM enumeration NY enumeration NC enumeration ND enumeration OH enumeration OK enumeration OR enumeration PA enumeration PR enumeration RI enumeration SC enumeration SD enumeration TN enumeration TX enumeration UT enumeration VT enumeration VA enumeration WA enumeration WV enumeration WI enumeration WY enumeration AGS
source	<xsd:element name="CountryRegionCode" type="CountryRegionCode"/>

element **County**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="County" type="xsd:string"/>

element **CountyFIPSCode**

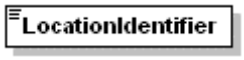
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="CountyFIPSCode" type="xsd:string"/>

element **PostalCode**

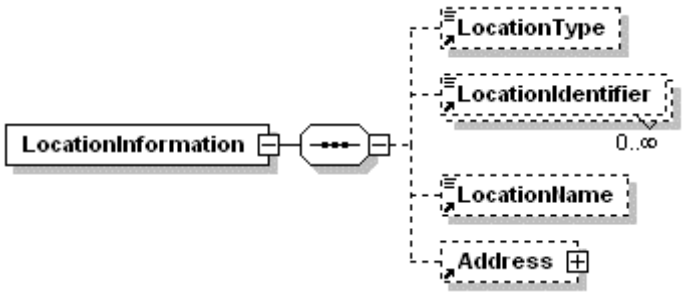
diagram	

namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="PostalCode" type="xsd:string"/>

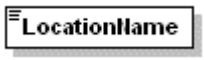
element **LocationIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **LocationInformation**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="LocationIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

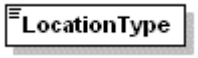
element **LocationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**LocationType** **LocationIdentifier** **LocationName** **Address**
used by	elements **CommodityLocation** **IssuedFrom**
source	<xsd:element name="LocationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationType" minOccurs="0"/> <xsd:element ref="LocationIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="LocationName" minOccurs="0"/> <xsd:element ref="Address" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **LocationName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **EntityInformation** **LocationInformation**
source	<xsd:element name="LocationName" type="xsd:string"/>

element **LocationType**

diagram	
namespace	http://www.agxml.org/schemas
type	**LocationType**
used by	element **LocationInformation**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location
source	<xsd:element name="LocationType" type="LocationType"/>

simpleType **EntityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **EntityType**
facets	enumeration Organization enumeration Person
source	<xsd:simpleType name="EntityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Organization"/> <xsd:enumeration value="Person"/> </xsd:restriction> </xsd:simpleType>

simpleType **ApplicationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Deferred Price enumeration Grain Bank enumeration Hold Payment enumeration Open Contract enumeration Specific Contract enumeration Spot End of Day enumeration Spot Immediate enumeration Storage enumeration Warehouse Receipt

	enumeration Unapplied/Hold
source	<xsd:simpleType name="ApplicationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Deferred Price"/> <xsd:enumeration value="Grain Bank"/> <xsd:enumeration value="Hold Payment"/> <xsd:enumeration value="Open Contract"/> <xsd:enumeration value="Specific Contract"/> <xsd:enumeration value="Spot End of Day"/> <xsd:enumeration value="Spot Immediate"/> <xsd:enumeration value="Storage"/> <xsd:enumeration value="Warehouse Receipt"/> <xsd:enumeration value="Unapplied/Hold"/> </xsd:restriction> </xsd:simpleType>

simpleType **BasisLocationMarket**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Atlantic Port enumeration Cedar River Railroad enumeration Central Kansas enumeration Chicago for Beyond enumeration Chicago including Burns Harbor enumeration Columbus for Beyond enumeration Columbia River District including Portland enumeration Columbia River District including Portland sellers option Pudget Sound District enumeration Commodity Credit Corporation enumeration Duluth/Superior enumeration East Texas Plains enumeration Evansville for Beyond enumeration Great Lakes enumeration Hanford/Tulare/Visalia enumeration Houston/Galveston/Beaumont enumeration Illinois Central Gulf enumeration Illinois River North enumeration Iowa & Minnesota Rail Link enumeration Kansas City enumeration Kansas City for Beyond enumeration Lower Mississippi River enumeration Lower Ohio River enumeration Mid-Bridge Brownsville enumeration Mid-Bridge Eagle Pass enumeration Mid-Bridge Laredo enumeration Mid-Bridge Nogales enumeration Mid-Bridge Presideo enumeration Mid-Mississippi River enumeration Minneapolis/Duluth enumeration Mississippi River enumeration Mississippi River Excluding Baton Rouge enumeration Modesto/Oakdale/Turlock enumeration North Kansas enumeration North Texas Plains enumeration Northeast Colorado enumeration Ohio River enumeration Pacific Northwest enumeration Pudget Sound District enumeration South Kansas enumeration South Texas Plains enumeration Southcentral Kansas enumeration Southeast Colorado enumeration Southeast Processors enumeration Southwest Kansas enumeration Stockton/San Joaquin Valley enumeration Tennessee River

	enumeration Tennessee River enumeration Texas Gulf enumeration Texas Gulf Excluding Brownsville enumeration Toledo/Maumee enumeration Track Nebraska enumeration Upper Mississippi River enumeration Upper Ohio River enumeration Union Pacific Group 3 enumeration Union Pacific Group 6 enumeration Union Pacific Group 9 enumeration United States Center Gulf enumeration United States Gulf enumeration United States Louisiana Gulf enumeration Washington Courthouse enumeration Western Kansas
source	<xsd:simpleType name="BasisLocationMarket"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Atlantic Port"/> <xsd:enumeration value="Cedar River Railroad"/> <xsd:enumeration value="Central Kansas"/> <xsd:enumeration value="Chicago for Beyond"/> <xsd:enumeration value="Chicago including Burns Harbor"/> <xsd:enumeration value="Columbus for Beyond"/> <xsd:enumeration value="Columbia River District including Portland"/> <xsd:enumeration value="Columbia River District including Portland sellers option Pudget Sound District"/> <xsd:enumeration value="Commodity Credit Corporation"/> <xsd:enumeration value="Duluth/Superior"/> <xsd:enumeration value="East Texas Plains"/> <xsd:enumeration value="Evansville for Beyond"/> <xsd:enumeration value="Great Lakes"/> <xsd:enumeration value="Hanford/Tulare/Visalia"/> <xsd:enumeration value="Houston/Galveston/Beaumont"/> <xsd:enumeration value="Illinois Central Gulf"/> <xsd:enumeration value="Illinois River North"/> <xsd:enumeration value="Iowa & Minnesota Rail Link"/> <xsd:enumeration value="Kansas City"/> <xsd:enumeration value="Kansas City for Beyond"/> <xsd:enumeration value="Lower Mississippi River"/> <xsd:enumeration value="Lower Ohio River"/> <xsd:enumeration value="Mid-Bridge Brownsville"/> <xsd:enumeration value="Mid-Bridge Eagle Pass"/> <xsd:enumeration value="Mid-Bridge Laredo"/> <xsd:enumeration value="Mid-Bridge Nogales"/> <xsd:enumeration value="Mid-Bridge Presideo"/> <xsd:enumeration value="Mid-Mississippi River"/> <xsd:enumeration value="Minneapolis/Duluth"/> <xsd:enumeration value="Mississippi River"/> <xsd:enumeration value="Mississippi River Excluding Baton Rouge"/> <xsd:enumeration value="Modesto/Oakdale/Turlock"/> <xsd:enumeration value="North Kansas"/> <xsd:enumeration value="North Texas Plains"/> <xsd:enumeration value="Northeast Colorado"/> <xsd:enumeration value="Ohio River"/> <xsd:enumeration value="Pacific Northwest"/> <xsd:enumeration value="Pudget Sound District"/> <xsd:enumeration value="South Kansas"/> <xsd:enumeration value="South Texas Plains"/> <xsd:enumeration value="Southcentral Kansas"/> <xsd:enumeration value="Southeast Colorado"/> <xsd:enumeration value="Southeast Processors"/> <xsd:enumeration value="Southwest Kansas"/> <xsd:enumeration value="Stockton/San Joaquin Valley"/> <xsd:enumeration value="Tennessee River"/> <xsd:enumeration value="Texas Gulf"/> <xsd:enumeration value="Texas Gulf Excluding Brownsville"/> <xsd:enumeration value="Toledo/Maumee"/> <xsd:enumeration value="Track Nebraska"/> <xsd:enumeration value="Upper Mississippi River"/>

```
    <xsd:enumeration value="Upper Ohio River"/>
    <xsd:enumeration value="Union Pacific Group 3"/>
    <xsd:enumeration value="Union Pacific Group 6"/>
    <xsd:enumeration value="Union Pacific Group 9"/>
    <xsd:enumeration value="United States Center Gulf"/>
    <xsd:enumeration value="United States Gulf"/>
    <xsd:enumeration value="United States Louisiana Gulf"/>
    <xsd:enumeration value="Washington Courthouse"/>
    <xsd:enumeration value="Western Kansas"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BillOfLadingIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Agent enumeration Delivery enumeration Shipper enumeration Waybill or Lading

source

```
<xsd:simpleType name="BillOfLadingIdentifierType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Agent"/>
    <xsd:enumeration value="Delivery"/>
    <xsd:enumeration value="Shipper"/>
    <xsd:enumeration value="Waybill or Lading"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BillOfLadingType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Order enumeration Straight

source

```
<xsd:simpleType name="BillOfLadingType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Order"/>
    <xsd:enumeration value="Straight"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BuyerSellerCall**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Seller

source

```
<xsd:simpleType name="BuyerSellerCall">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Buyer"/>
    <xsd:enumeration value="Seller"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CommodityUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **LotQuantity/@commodityUnitOfMeasure**
facets	enumeration Barge enumeration Bushel enumeration Car Load enumeration Hundred Weight enumeration Kilogram enumeration Long Ton enumeration Metric Ton enumeration Pound enumeration Shipment enumeration Short Ton enumeration Truck enumeration Vessel
source	<xsd:simpleType name="CommodityUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bushel"/> <xsd:enumeration value="Car Load"/> <xsd:enumeration value="Hundred Weight"/> <xsd:enumeration value="Kilogram"/> <xsd:enumeration value="Long Ton"/> <xsd:enumeration value="Metric Ton"/> <xsd:enumeration value="Pound"/> <xsd:enumeration value="Shipment"/> <xsd:enumeration value="Short Ton"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Vessel"/> </xsd:restriction> </xsd:simpleType>

simpleType **ContractOriginator**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Seller enumeration Agent
source	<xsd:simpleType name="ContractOriginator"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> <xsd:enumeration value="Agent"/> </xsd:restriction> </xsd:simpleType>

simpleType **CountryCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryCode**
facets	enumeration AF enumeration AL

	enumeration DZ enumeration AS enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG enumeration BF enumeration BI enumeration KH enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN enumeration CX enumeration CC enumeration CO enumeration KM enumeration CG enumeration CD enumeration CK enumeration CR enumeration CI enumeration HR enumeration CU enumeration CY enumeration CZ enumeration DK enumeration DJ enumeration DM enumeration DO enumeration TP enumeration EC enumeration EG enumeration SV enumeration GQ enumeration ER enumeration EE enumeration ET enumeration FK

	enumeration FO enumeration FJ enumeration FI enumeration FR enumeration GF enumeration PF enumeration TF enumeration GA enumeration GM enumeration GE enumeration DE enumeration GH enumeration GI enumeration GR enumeration GL enumeration GD enumeration GP enumeration GU enumeration GT enumeration GN enumeration GW enumeration GY enumeration HT enumeration HM enumeration VA enumeration HN enumeration HK enumeration HU enumeration IS enumeration IN enumeration ID enumeration IR enumeration IQ enumeration IE enumeration IL enumeration IT enumeration JM enumeration JP enumeration JO enumeration KZ enumeration KE enumeration KI enumeration KP enumeration KR enumeration KW enumeration KG enumeration LA enumeration LV enumeration LB enumeration LS enumeration LR enumeration LY enumeration LI enumeration LT enumeration LU enumeration MO enumeration MK enumeration MG enumeration MW enumeration MY enumeration MV enumeration ML enumeration MT enumeration MH enumeration MQ enumeration MR enumeration MU enumeration YT

	enumeration MX enumeration FM enumeration MD enumeration MC enumeration MN enumeration MS enumeration MA enumeration MZ enumeration MM enumeration NA enumeration NR enumeration NP enumeration NL enumeration AN enumeration NC enumeration NZ enumeration NI enumeration NE enumeration NG enumeration NU enumeration NF enumeration MP enumeration NO enumeration OM enumeration K enumeration PW enumeration PS enumeration PA enumeration PG enumeration PY enumeration PE enumeration PH enumeration PN enumeration PL enumeration PT enumeration PR enumeration QA enumeration RE enumeration RO enumeration RU enumeration RW enumeration SH enumeration KN enumeration LC enumeration PM enumeration VC enumeration WS enumeration SM enumeration ST enumeration SA enumeration SN enumeration SC enumeration SL enumeration SG enumeration SK enumeration SI enumeration SB enumeration SO enumeration ZA enumeration GS enumeration ES enumeration LK enumeration SD enumeration SR enumeration SJ enumeration SZ enumeration SE enumeration CH

	enumeration SY enumeration TW enumeration TJ enumeration TZ enumeration TH enumeration TG enumeration TK enumeration TO enumeration TT enumeration TN enumeration TR enumeration TM enumeration TC enumeration TV enumeration UG enumeration UA enumeration AE enumeration GB enumeration US enumeration UM enumeration UY enumeration UZ enumeration VU enumeration VE enumeration VN enumeration VG enumeration VI enumeration WF enumeration EH enumeration YE enumeration YU enumeration ZM enumeration ZW
source	<xsd:simpleType name="CountryCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="AF"/> <xsd:enumeration value="AL"/> <xsd:enumeration value="DZ"/> <xsd:enumeration value="AS"/> <xsd:enumeration value="AD"/> <xsd:enumeration value="AO"/> <xsd:enumeration value="AI"/> <xsd:enumeration value="AQ"/> <xsd:enumeration value="AG"/> <xsd:enumeration value="AR"/> <xsd:enumeration value="AM"/> <xsd:enumeration value="AW"/> <xsd:enumeration value="AU"/> <xsd:enumeration value="AT"/> <xsd:enumeration value="AZ"/> <xsd:enumeration value="BS"/> <xsd:enumeration value="BH"/> <xsd:enumeration value="BD"/> <xsd:enumeration value="BB"/> <xsd:enumeration value="BY"/> <xsd:enumeration value="BE"/> <xsd:enumeration value="BZ"/> <xsd:enumeration value="BJ"/> <xsd:enumeration value="BM"/> <xsd:enumeration value="BT"/> <xsd:enumeration value="BO"/> <xsd:enumeration value="BA"/> <xsd:enumeration value="BW"/> <xsd:enumeration value="BV"/> <xsd:enumeration value="BR"/> <xsd:enumeration value="IO"/> <xsd:enumeration value="BN"/> <xsd:enumeration value="BG"/>

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```

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<xsd:enumeration value="VI"/>
<xsd:enumeration value="WF"/>
<xsd:enumeration value="EH"/>
<xsd:enumeration value="YE"/>
<xsd:enumeration value="YU"/>
```

```
    <xsd:enumeration value="ZM"/>
    <xsd:enumeration value="ZW"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CountryRegionCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryRegionCode**
facets	enumeration AL enumeration BCN enumeration BCS enumeration CAN enumeration CHIS enumeration CHIH enumeration COAH enumeration COL enumeration DF enumeration DGO' enumeration GTO enumeration GRO enumeration HGO enumeration JAL enumeration MEX enumeration MICH enumeration MOR enumeration NAY enumeration NLO enumeration OAX enumeration PUE enumeration QRO enumeration QROO enumeration SLP enumeration SIN enumeration SON enumeration TAB enumeration TAMPS enumeration TLAX enumeration VER enumeration YUC enumeration ZAC enumeration AB enumeration BC enumeration MB enumeration NB enumeration NF enumeration NT enumeration NS enumeration NU enumeration ON enumeration PE enumeration QC enumeration SK enumeration YT enumeration AK enumeration AZ enumeration AR enumeration CA enumeration CO enumeration CT enumeration DE enumeration DC enumeration FL enumeration GA

	enumeration GA enumeration HI enumeration ID enumeration IL enumeration IN enumeration IA enumeration KS enumeration KY enumeration LA enumeration ME enumeration MD enumeration MA enumeration MI enumeration MN enumeration MS enumeration MO enumeration MT enumeration NE enumeration NV enumeration NH enumeration NJ enumeration NM enumeration NY enumeration NC enumeration ND enumeration OH enumeration OK enumeration OR enumeration PA enumeration PR enumeration RI enumeration SC enumeration SD enumeration TN enumeration TX enumeration UT enumeration VT enumeration VA enumeration WA enumeration WV enumeration WI enumeration WY enumeration AGS
source	<xsd:simpleType name="CountryRegionCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="AL"/> <xsd:enumeration value="BCN"/> <xsd:enumeration value="BCS"/> <xsd:enumeration value="CAN"/> <xsd:enumeration value="CHIS"/> <xsd:enumeration value="CHIH"/> <xsd:enumeration value="COAH"/> <xsd:enumeration value="COL"/> <xsd:enumeration value="DF"/> <xsd:enumeration value="DGO"'/> <xsd:enumeration value="GTO"/> <xsd:enumeration value="GRO"/> <xsd:enumeration value="HGO"/> <xsd:enumeration value="JAL"/> <xsd:enumeration value="MEX"/> <xsd:enumeration value="MICH"/> <xsd:enumeration value="MOR"/> <xsd:enumeration value="NAY"/> <xsd:enumeration value="NLO"/> <xsd:enumeration value="OAX"/> <xsd:enumeration value="PUE"/> <xsd:enumeration value="QRO"/> <xsd:enumeration value="QROO"/>

```
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<xsd:enumeration value="SIN"/>
<xsd:enumeration value="SON"/>
<xsd:enumeration value="TAB"/>
<xsd:enumeration value="TAMPS"/>
<xsd:enumeration value="TLAX"/>
<xsd:enumeration value="VER"/>
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```

```
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    <xsd:enumeration value="WA"/>
    <xsd:enumeration value="WV"/>
    <xsd:enumeration value="WI"/>
    <xsd:enumeration value="WY"/>
    <xsd:enumeration value="AGS"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CurrencyCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration USD

source

```
<xsd:simpleType name="CurrencyCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="USD"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **DeliveryBasis**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CIF enumeration CIFFO enumeration CNF enumeration CNFFO enumeration Delivered enumeration FAS enumeration FOB enumeration FOB Farm enumeration FST enumeration In-store

source

```
<xsd:simpleType name="DeliveryBasis">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="CIF"/>
    <xsd:enumeration value="CIFFO"/>
    <xsd:enumeration value="CNF"/>
    <xsd:enumeration value="CNFFO"/>
    <xsd:enumeration value="Delivered"/>
    <xsd:enumeration value="FAS"/>
    <xsd:enumeration value="FOB"/>
    <xsd:enumeration value="FOB Farm"/>
    <xsd:enumeration value="FST"/>
    <xsd:enumeration value="In-store"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **DistanceUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **ProbeSampleDepth/@distanceUnitOfMeasure**
facets	enumeration Centimeters enumeration Feet enumeration Inches enumeration Meters

	enumeration Meters enumeration Yards
source	<xsd:simpleType name="DistanceUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Centimeters"/> <xsd:enumeration value="Feet"/> <xsd:enumeration value="Inches"/> <xsd:enumeration value="Meters"/> <xsd:enumeration value="Yards"/> </xsd:restriction> </xsd:simpleType>

simpleType **EquipmentType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **EquipmentType**
facets	enumeration Auger enumeration Barge enumeration Box enumeration Container enumeration Covered Hopper enumeration Double Trailer enumeration Flat-Bed enumeration Hi-Cube enumeration Hydrolic enumeration Lash Barge enumeration Laker enumeration Open Hopper enumeration Other enumeration Panamax enumeration Rake enumeration Rail enumeration Sacked enumeration Self-Trimming enumeration Self-Unloader enumeration Ship enumeration Small-Cube enumeration Tanker enumeration Truck enumeration Tween-Decker enumeration Unit Train
source	<xsd:simpleType name="EquipmentType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Auger"/> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Box"/> <xsd:enumeration value="Container"/> <xsd:enumeration value="Covered Hopper"/> <xsd:enumeration value="Double Trailer"/> <xsd:enumeration value="Flat-Bed"/> <xsd:enumeration value="Hi-Cube"/> <xsd:enumeration value="Hydrolic"/> <xsd:enumeration value="Lash Barge"/> <xsd:enumeration value="Laker"/> <xsd:enumeration value="Open Hopper"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Panamax"/> <xsd:enumeration value="Rake"/> <xsd:enumeration value="Rail"/> <xsd:enumeration value="Sacked"/> <xsd:enumeration value="Self-Trimming"/> <xsd:enumeration value="Self-Unloader"/>

```
    <xsd:enumeration value="Ship"/>
    <xsd:enumeration value="Small-Cube"/>
    <xsd:enumeration value="Tanker"/>
    <xsd:enumeration value="Truck"/>
    <xsd:enumeration value="Tween-Decker"/>
    <xsd:enumeration value="Unit Train"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FreightPaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Collect enumeration Prepaid

source

```
<xsd:simpleType name="FreightPaymentTermType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Collect"/>
    <xsd:enumeration value="Prepaid"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FreightRateAuthorityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Contract enumeration Quote enumeration Rate enumeration Tariff

source

```
<xsd:simpleType name="FreightRateAuthorityType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Contract"/>
    <xsd:enumeration value="Quote"/>
    <xsd:enumeration value="Rate"/>
    <xsd:enumeration value="Tariff"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FuturesCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration C enumeration DW enumeration KW enumeration MW enumeration NW enumeration O enumeration S enumeration SM enumeration W enumeration XC enumeration XE enumeration XO enumeration XS enumeration XW

source	<xsd:simpleType name="FuturesCommodityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="C"/> <xsd:enumeration value="DW"/> <xsd:enumeration value="KW"/> <xsd:enumeration value="MW"/> <xsd:enumeration value="NW"/> <xsd:enumeration value="O"/> <xsd:enumeration value="S"/> <xsd:enumeration value="SM"/> <xsd:enumeration value="W"/> <xsd:enumeration value="XC"/> <xsd:enumeration value="XE"/> <xsd:enumeration value="XO"/> <xsd:enumeration value="XS"/> <xsd:enumeration value="XW"/> </xsd:restriction> </xsd:simpleType>

simpleType **FuturesCommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Oats enumeration Soft Red Winter Wheat enumeration Soybean Meal enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="FuturesCommodityName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soybean Meal"/> <xsd:enumeration value="White Wheat"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **FuturesExchangeCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CBOT enumeration KCBOT enumeration MGE enumeration MIDAM
source	<xsd:simpleType name="FuturesExchangeCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CBOT"/> <xsd:enumeration value="KCBOT"/> <xsd:enumeration value="MGE"/> <xsd:enumeration value="MIDAM"/> </xsd:restriction>

	</xsd:simpleType>

simpleType **GoverningTradeRules**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration FOSFA enumeration GAFTA enumeration KCBOT enumeration MGE enumeration NAEGA 2 enumeration NCPA enumeration NGFA enumeration NOPA enumeration PME
source	<xsd:simpleType name="GoverningTradeRules"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="FOSFA"/> <xsd:enumeration value="GAFTA"/> <xsd:enumeration value="KCBOT"/> <xsd:enumeration value="MGE"/> <xsd:enumeration value="NAEGA 2"/> <xsd:enumeration value="NCPA"/> <xsd:enumeration value="NGFA"/> <xsd:enumeration value="NOPA"/> <xsd:enumeration value="PME"/> </xsd:restriction> </xsd:simpleType>

simpleType **GradesToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Destination House enumeration Destination Official enumeration Destination Submit enumeration First Certified enumeration First Official enumeration Origin House enumeration Origin Official enumeration Origin Submit
source	<xsd:simpleType name="GradesToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Destination House"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination Submit"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="Origin House"/> <xsd:enumeration value="Origin Official"/> <xsd:enumeration value="Origin Submit"/> </xsd:restriction> </xsd:simpleType>

simpleType **IdentifierSource**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

used by	attributes SampleIdentifier/@identifierSource CommodityMovementIdentifier/@identifierSource EntityIdentifier/@identifierSource LocationIdentifier/@identifierSource
facets	enumeration Agent Internal enumeration Buyer Internal enumeration Dunn & Bradstreet enumeration GIPSA Internal enumeration RapidNet enumeration Seller Internal enumeration Service Provider Internal
source	<xsd:simpleType name="IdentifierSource"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent Internal"/> <xsd:enumeration value="Buyer Internal"/> <xsd:enumeration value="Dunn & Bradstreet"/> <xsd:enumeration value="GIPSA Internal"/> <xsd:enumeration value="RapidNet"/> <xsd:enumeration value="Seller Internal"/> <xsd:enumeration value="Service Provider Internal"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element InspectionClassCode
facets	enumeration Affidavit enumeration A enumeration B enumeration C enumeration D enumeration E enumeration Other enumeration State Warehouse enumeration U.S. Warehouse Act
source	<xsd:simpleType name="InspectionClassCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Affidavit"/> <xsd:enumeration value="A"/> <xsd:enumeration value="B"/> <xsd:enumeration value="C"/> <xsd:enumeration value="D"/> <xsd:enumeration value="E"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="State Warehouse"/> <xsd:enumeration value="U.S. Warehouse Act"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionLevelType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element InspectionLevelType
facets	enumeration Appeal enumeration Board Appeal enumeration Original enumeration Reinspection enumeration Supervision

source	<xsd:simpleType name="InspectionLevelType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Appeal"/> <xsd:enumeration value="Board Appeal"/> <xsd:enumeration value="Original"/> <xsd:enumeration value="Reinspection"/> <xsd:enumeration value="Supervision"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionProviderType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **InspectionProviderType**
facets	enumeration Federal enumeration House enumeration State enumeration Third Party
source	<xsd:simpleType name="InspectionProviderType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Federal"/> <xsd:enumeration value="House"/> <xsd:enumeration value="State"/> <xsd:enumeration value="Third Party"/> </xsd:restriction> </xsd:simpleType>

simpleType **LocationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **LocationType**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location
source	<xsd:simpleType name="LocationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Facility"/> <xsd:enumeration value="Farm"/> <xsd:enumeration value="Field"/> <xsd:enumeration value="Storage Location"/> </xsd:restriction> </xsd:simpleType>

simpleType **MonthsOfYear**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration January enumeration February enumeration March enumeration April enumeration May enumeration June

	enumeration July enumeration August enumeration September enumeration October enumeration November enumeration December
source	<xsd:simpleType name="MonthsOfYear"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="January"/> <xsd:enumeration value="February"/> <xsd:enumeration value="March"/> <xsd:enumeration value="April"/> <xsd:enumeration value="May"/> <xsd:enumeration value="June"/> <xsd:enumeration value="July"/> <xsd:enumeration value="August"/> <xsd:enumeration value="September"/> <xsd:enumeration value="October"/> <xsd:enumeration value="November"/> <xsd:enumeration value="December"/> </xsd:restriction> </xsd:simpleType>

simpleType **PaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration At Time of Settlement enumeration Bill of Lading enumeration Bonded by Warehouse enumeration Cash Against Documents enumeration Cash Against Mates Receipt enumeration Cash in Advance enumeration Draft Bill of Lading enumeration Letter of Credit enumeration Letter of Credit Draft Bill of Lading enumeration Inter-Department Transfer enumeration Net enumeration Prepay enumeration Sight Draft enumeration Wire Transfer enumeration Wire Transfer Against Invoice and Documents enumeration Usual Terms
source	<xsd:simpleType name="PaymentTermType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="At Time of Settlement"/> <xsd:enumeration value="Bill of Lading"/> <xsd:enumeration value="Bonded by Warehouse"/> <xsd:enumeration value="Cash Against Documents"/> <xsd:enumeration value="Cash Against Mates Receipt"/> <xsd:enumeration value="Cash in Advance"/> <xsd:enumeration value="Draft Bill of Lading"/> <xsd:enumeration value="Letter of Credit"/> <xsd:enumeration value="Letter of Credit Draft Bill of Lading"/> <xsd:enumeration value="Inter-Department Transfer"/> <xsd:enumeration value="Net"/> <xsd:enumeration value="Prepay"/> <xsd:enumeration value="Sight Draft"/> <xsd:enumeration value="Wire Transfer"/> <xsd:enumeration value="Wire Transfer Against Invoice and Documents"/> <xsd:enumeration value="Usual Terms"/> </xsd:restriction> </xsd:simpleType>

simpleType **PermitIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CLOCK enumeration COT enumeration GEEP enumeration Grain Authorization enumeration Lease enumeration PERX enumeration Pool enumeration Permit enumeration SCO enumeration Voucher
source	<xsd:simpleType name="PermitIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CLOCK"/> <xsd:enumeration value="COT"/> <xsd:enumeration value="GEEP"/> <xsd:enumeration value="Grain Authorization"/> <xsd:enumeration value="Lease"/> <xsd:enumeration value="PERX"/> <xsd:enumeration value="Pool"/> <xsd:enumeration value="Permit"/> <xsd:enumeration value="SCO"/> <xsd:enumeration value="Voucher"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountLimitCondition**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Negotiate enumeration Reject enumeration Subject to Rejection
source	<xsd:simpleType name="PremiumAndDiscountLimitCondition"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Negotiate"/> <xsd:enumeration value="Reject"/> <xsd:enumeration value="Subject to Rejection"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountMeasurementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Quality Factor enumeration Grade
source	<xsd:simpleType name="PremiumAndDiscountMeasurementType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Quality Factor"/> <xsd:enumeration value="Grade"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountQuantityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Percent of Gross Bushels enumeration Percent of Gross Weight enumeration Percent of Net Bushels enumeration Percent of Net Weight
source	<xsd:simpleType name="PremiumAndDiscountQuantityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Percent of Gross Bushels"/> <xsd:enumeration value="Percent of Gross Weight"/> <xsd:enumeration value="Percent of Net Bushels"/> <xsd:enumeration value="Percent of Net Weight"/> </xsd:restriction> </xsd:simpleType>

simpleType **PricingCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Pricing enumeration Pricing Reversal
source	<xsd:simpleType name="PricingCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Pricing"/> <xsd:enumeration value="Pricing Reversal"/> </xsd:restriction> </xsd:simpleType>

simpleType **PricingMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Exchange enumeration Order enumeration Spot
source	<xsd:simpleType name="PricingMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Exchange"/> <xsd:enumeration value="Order"/> <xsd:enumeration value="Spot"/> </xsd:restriction> </xsd:simpleType>

simpleType **PriceType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Basis enumeration Delayed Price enumeration Flat enumeration Futures
source	<xsd:simpleType name="PriceType">

```
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Basis"/>
    <xsd:enumeration value="Delayed Price"/>
    <xsd:enumeration value="Flat"/>
    <xsd:enumeration value="Futures"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityCertificateStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QualityCertificateStatus**
facets	enumeration Canceled enumeration Corrected enumeration Original enumeration Re-issued enumeration Verified

source

```
<xsd:simpleType name="QualityCertificateStatus">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Canceled"/>
    <xsd:enumeration value="Corrected"/>
    <xsd:enumeration value="Original"/>
    <xsd:enumeration value="Re-issued"/>
    <xsd:enumeration value="Verified"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityGrouping**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Average per 5-Car Unit enumeration Average per 3-Car Unit enumeration Contract enumeration Cumulative Sum enumeration Hold enumeration Shipment enumeration Sublot enumeration Unit

source

```
<xsd:simpleType name="QualityGrouping">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Average per 5-Car Unit"/>
    <xsd:enumeration value="Average per 3-Car Unit"/>
    <xsd:enumeration value="Contract"/>
    <xsd:enumeration value="Cumulative Sum"/>
    <xsd:enumeration value="Hold"/>
    <xsd:enumeration value="Shipment"/>
    <xsd:enumeration value="Sublot"/>
    <xsd:enumeration value="Unit"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QuantityDeterminationMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

facets	enumeration Actual enumeration Draft enumeration Estimated
source	<xsd:simpleType name="QuantityDeterminationMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Actual"/> <xsd:enumeration value="Draft"/> <xsd:enumeration value="Estimated"/> </xsd:restriction> </xsd:simpleType>

simpleType **RouteCarrierSequence**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration 1st Carrier after Origin Carrier enumeration 2nd Carrier after Origin Carrier enumeration 3rd Carrier after Origin Carrier enumeration 4th Carrier after Origin Carrier enumeration 5th Carrier after Origin Carrier enumeration 6th Carrier after Origin Carrier enumeration 7th Carrier after Origin Carrier enumeration 8th Carrier after Origin Carrier enumeration 9th Carrier after Origin Carrier enumeration Delivery Carrier enumeration Delivery Switch Carrier enumeration Origin Carrier enumeration Origin Switch Carrier
source	<xsd:simpleType name="RouteCarrierSequence"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="1st Carrier after Origin Carrier"/> <xsd:enumeration value="2nd Carrier after Origin Carrier"/> <xsd:enumeration value="3rd Carrier after Origin Carrier"/> <xsd:enumeration value="4th Carrier after Origin Carrier"/> <xsd:enumeration value="5th Carrier after Origin Carrier"/> <xsd:enumeration value="6th Carrier after Origin Carrier"/> <xsd:enumeration value="7th Carrier after Origin Carrier"/> <xsd:enumeration value="8th Carrier after Origin Carrier"/> <xsd:enumeration value="9th Carrier after Origin Carrier"/> <xsd:enumeration value="Delivery Carrier"/> <xsd:enumeration value="Delivery Switch Carrier"/> <xsd:enumeration value="Origin Carrier"/> <xsd:enumeration value="Origin Switch Carrier"/> </xsd:restriction> </xsd:simpleType>

simpleType **RouteType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Carrier enumeration Shipper
source	<xsd:simpleType name="RouteType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Carrier"/> <xsd:enumeration value="Shipper"/> </xsd:restriction> </xsd:simpleType>

simpleType **SampleMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **SampleMethod**
facets	enumeration Belt enumeration Diverter enumeration Door enumeration Ellis Cup enumeration Mechanical Diverter enumeration Other enumeration Pelican enumeration Probe enumeration Shallow Probe enumeration Woodside
source	<xsd:simpleType name="SampleMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Belt"/> <xsd:enumeration value="Diverter"/> <xsd:enumeration value="Door"/> <xsd:enumeration value="Ellis Cup"/> <xsd:enumeration value="Mechanical Diverter"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Pelican"/> <xsd:enumeration value="Probe"/> <xsd:enumeration value="Shallow Probe"/> <xsd:enumeration value="Woodside"/> </xsd:restriction> </xsd:simpleType>

simpleType **SampleOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **SampleOfficialCategory**
facets	enumeration Official enumeration Submitted
source	<xsd:simpleType name="SampleOfficialCategory"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Official"/> <xsd:enumeration value="Submitted"/> </xsd:restriction> </xsd:simpleType>

simpleType **ScheduleEvent**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration At Time of Contract Creation enumeration At Time of Load enumeration At Time of Pricing enumeration At Time of Settlement enumeration At Time of Shipment enumeration At Time of Unload
source	<xsd:simpleType name="ScheduleEvent"> <xsd:restriction base="xsd:string">

```
    <xsd:enumeration value="At Time of Contract Creation"/>
    <xsd:enumeration value="At Time of Load"/>
    <xsd:enumeration value="At Time of Pricing"/>
    <xsd:enumeration value="At Time of Settlement"/>
    <xsd:enumeration value="At Time of Shipment"/>
    <xsd:enumeration value="At Time of Unload"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **ServiceEvent**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **ServiceEvent**
facets	enumeration Export enumeration Inbound enumeration Outbound enumeration Submitted enumeration Track

source

```
<xsd:simpleType name="ServiceEvent">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Export"/>
    <xsd:enumeration value="Inbound"/>
    <xsd:enumeration value="Outbound"/>
    <xsd:enumeration value="Submitted"/>
    <xsd:enumeration value="Track"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **ServiceOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **ServiceOfficialCategory**
facets	enumeration Certified enumeration Official enumeration Unofficial

source

```
<xsd:simpleType name="ServiceOfficialCategory">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Certified"/>
    <xsd:enumeration value="Official"/>
    <xsd:enumeration value="Unofficial"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **SpecialHandlingService**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Destination Weights enumeration Destination Grades enumeration First Official Grades enumeration First Official Weights enumeration LFVC enumeration Official Grades enumeration Official Weights enumeration Origin Weights enumeration Origin Grades

	enumeration Origin Grades enumeration Track Scale Weights enumeration WD enumeration WI enumeration WISD enumeration XP
source	<xsd:simpleType name="SpecialHandlingService"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Destination Weights"/> <xsd:enumeration value="Destination Grades"/> <xsd:enumeration value="First Official Grades"/> <xsd:enumeration value="First Official Weights"/> <xsd:enumeration value="LFVC"/> <xsd:enumeration value="Official Grades"/> <xsd:enumeration value="Official Weights"/> <xsd:enumeration value="Origin Weights"/> <xsd:enumeration value="Origin Grades"/> <xsd:enumeration value="Track Scale Weights"/> <xsd:enumeration value="WD"/> <xsd:enumeration value="WI"/> <xsd:enumeration value="WISD"/> <xsd:enumeration value="XP"/> </xsd:restriction> </xsd:simpleType>

simpleType **SpecialTermName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Advance Rate enumeration Broker Rate enumeration Cancellation Fee enumeration Carrying Charge enumeration Days Load Notice enumeration Demurrage Charge enumeration Despatch Charge enumeration Delayed Price In Charge enumeration Delayed Price Monthly Charge enumeration Fumigation Charge enumeration Interest Charge enumeration Issue Fee enumeration Load Guarantee enumeration Load Port Declaration enumeration Other enumeration Price By Date enumeration Re-price Charge enumeration Roll Fee enumeration Service Charge enumeration Shipment Period Declaration enumeration Special Contract Information enumeration Storage In Charge enumeration Storage Monthly Charge
source	<xsd:simpleType name="SpecialTermName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Advance Rate"/> <xsd:enumeration value="Broker Rate"/> <xsd:enumeration value="Cancellation Fee"/> <xsd:enumeration value="Carrying Charge"/> <xsd:enumeration value="Days Load Notice"/> <xsd:enumeration value="Demurrage Charge"/> <xsd:enumeration value="Despatch Charge"/> <xsd:enumeration value="Delayed Price In Charge"/> <xsd:enumeration value="Delayed Price Monthly Charge"/> <xsd:enumeration value="Fumigation Charge"/>

```
    <xsd:enumeration value="Interest Charge"/>
    <xsd:enumeration value="Issue Fee"/>
    <xsd:enumeration value="Load Guarantee"/>
    <xsd:enumeration value="Load Port Declaration"/>
    <xsd:enumeration value="Other"/>
    <xsd:enumeration value="Price By Date"/>
    <xsd:enumeration value="Re-price Charge"/>
    <xsd:enumeration value="Roll Fee"/>
    <xsd:enumeration value="Service Charge"/>
    <xsd:enumeration value="Shipment Period Declaration"/>
    <xsd:enumeration value="Special Contract Information"/>
    <xsd:enumeration value="Storage In Charge"/>
    <xsd:enumeration value="Storage Monthly Charge"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **StandardTransportationCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration 01-131 Barley enumeration 01-132 Corn enumeration 01-133 Oats enumeration 01-135 Rye enumeration 01-136 Sorghum Grains enumeration 01-137 Wheat enumeration 01-139 Grain, NEC enumeration 01-141 Cottonseeds enumeration 01-142 Flaxseeds enumeration 01-144 Soybeans enumeration 01-149 Oil Kernals, nuts or seeds enumeration 01-152 Popcorn enumeration 01-159 Seeds enumeration 01-191 Fodder Hay or Roughage enumeration 01-341 Beans, Dry Ripe enumeration 01-342 Peas, Dry enumeration 01-343 Cowpeas, Lentils or Lupines enumeration 01-992 Alfalfa Meal enumeration 20-411 Wheat Flour enumeration 20-412 Wheat bran, middlings enumeration 20-413 Corn meal or flour enumeration 20-414 Rye flour enumeration 20-415 Oat flour enumeration 20-418 Grain mill by-products enumeration 20-419 Flour or other grain mill products, NEC enumeration 20-421 Prepared Feeds enumeration 20-461 Corn syrup enumeration 20-462 Corn starch enumeration 20-463 Corn sugar enumeration 20-464 Dextrine, corn, tapioca or other enumeration 20-465 Corn oil enumeration 20-466 Other starch enumeration 20-467 Wet process corn or similar mill by-products enumeration 20-469 Wet process corn milling or by-products enumeration 20-471 Bird Food or Seed,Domestic enumeration 20-619 Beet Pulp Pellets enumeration 20-823 Spent Grains enumeration 20-831 Malt enumeration 20-839 Malt Products enumeration 20-859 Distillers By-Products enumeration 20-914 Cottonseed Meal or By-Products enumeration 20-921 Soybean oil enumeration 20-923 Soybean meal and hulls enumeration 20-933 Nut or Vegetable Oils enumeration 20-939 Oil Seed Meals & By-Products, NEC enumeration 20-942 Fish Meal

	enumeration 20-942 Fish Meal enumeration 20-144 Animal Protein Products enumeration 01-134 Rough Rice enumeration 20-449 Milled Rice, Rice By-Products, etc. enumeration 20-442 Rice Flour enumeration 20-933 Rice Oil enumeration 20-442 Rice Bran enumeration 37-422 Freight cars moving on own-wheels enumeration
source	<xsd:simpleType name="StandardTransportationCommodityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="01-131 Barley"/> <xsd:enumeration value="01-132 Corn"/> <xsd:enumeration value="01-133 Oats"/> <xsd:enumeration value="01-135 Rye"/> <xsd:enumeration value="01-136 Sorghum Grains"/> <xsd:enumeration value="01-137 Wheat"/> <xsd:enumeration value="01-139 Grain, NEC"/> <xsd:enumeration value="01-141 Cottonseeds"/> <xsd:enumeration value="01-142 Flaxseeds"/> <xsd:enumeration value="01-144 Soybeans"/> <xsd:enumeration value="01-149 Oil Kernals, nuts or seeds"/> <xsd:enumeration value="01-152 Popcorn"/> <xsd:enumeration value="01-159 Seeds"/> <xsd:enumeration value="01-191 Fodder Hay or Roughage"/> <xsd:enumeration value="01-341 Beans, Dry Ripe"/> <xsd:enumeration value="01-342 Peas, Dry"/> <xsd:enumeration value="01-343 Cowpeas, Lentils or Lupines"/> <xsd:enumeration value="01-992 Alfalfa Meal"/> <xsd:enumeration value="20-411 Wheat Flour"/> <xsd:enumeration value="20-412 Wheat bran, middlings"/> <xsd:enumeration value="20-413 Corn meal or flour"/> <xsd:enumeration value="20-414 Rye flour"/> <xsd:enumeration value="20-415 Oat flour"/> <xsd:enumeration value="20-418 Grain mill by-products"/> <xsd:enumeration value="20-419 Flour or other grain mill products, NEC"/> <xsd:enumeration value="20-421 Prepared Feeds"/> <xsd:enumeration value="20-461 Corn syrup"/> <xsd:enumeration value="20-462 Corn starch"/> <xsd:enumeration value="20-463 Corn sugar"/> <xsd:enumeration value="20-464 Dextrine, corn, tapioca or other"/> <xsd:enumeration value="20-465 Corn oil"/> <xsd:enumeration value="20-466 Other starch"/> <xsd:enumeration value="20-467 Wet process corn or similar mill by-products"/> <xsd:enumeration value="20-469 Wet process corn milling or by-products"/> <xsd:enumeration value="20-471 Bird Food or Seed,Domestic"/> <xsd:enumeration value="20-619 Beet Pulp Pellets"/> <xsd:enumeration value="20-823 Spent Grains"/> <xsd:enumeration value="20-831 Malt"/> <xsd:enumeration value="20-839 Malt Products"/> <xsd:enumeration value="20-859 Distillers By-Products"/> <xsd:enumeration value="20-914 Cottonseed Meal or By-Products"/> <xsd:enumeration value="20-921 Soybean oil"/> <xsd:enumeration value="20-923 Soybean meal and hulls"/> <xsd:enumeration value="20-933 Nut or Vegetable Oils"/> <xsd:enumeration value="20-939 Oil Seed Meals & By-Products, NEC"/> <xsd:enumeration value="20-942 Fish Meal"/> <xsd:enumeration value="20-144 Animal Protein Products"/> <xsd:enumeration value="01-134 Rough Rice"/> <xsd:enumeration value="20-449 Milled Rice, Rice By-Products, etc."/> <xsd:enumeration value="20-442 Rice Flour"/> <xsd:enumeration value="20-933 Rice Oil"/> <xsd:enumeration value="20-442 Rice Bran"/> <xsd:enumeration value="37-422 Freight cars moving on own-wheels"/> <xsd:enumeration value=""/> </xsd:restriction> </xsd:simpleType>

simpleType **TimeUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Day enumeration Hour enumeration Minute enumeration Month enumeration Second enumeration Week enumeration Year
source	<xsd:simpleType name="TimeUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Day"/> <xsd:enumeration value="Hour"/> <xsd:enumeration value="Minute"/> <xsd:enumeration value="Month"/> <xsd:enumeration value="Second"/> <xsd:enumeration value="Week"/> <xsd:enumeration value="Year"/> </xsd:restriction> </xsd:simpleType>

simpleType **TolerancePricingTerm**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Contract Basis enumeration Contract Flat Price enumeration Market Day After Unload enumeration Market Day of Load
source	<xsd:simpleType name="TolerancePricingTerm"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Contract Basis"/> <xsd:enumeration value="Contract Flat Price"/> <xsd:enumeration value="Market Day After Unload"/> <xsd:enumeration value="Market Day of Load"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationMode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **TransportationMode**
facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck enumeration Vessel
source	<xsd:simpleType name="TransportationMode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="In-store"/> <xsd:enumeration value="Rail"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Vessel"/>

	</xsd:restriction> </xsd:simpleType>

simpleType **TransportationProvider**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Agent enumeration Buyer enumeration Seller
source	<xsd:simpleType name="TransportationProvider"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent"/> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Barges enumeration Cars enumeration Holds enumeration Trucks enumeration
source	<xsd:simpleType name="TransportationUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barges"/> <xsd:enumeration value="Cars"/> <xsd:enumeration value="Holds"/> <xsd:enumeration value="Trucks"/> <xsd:enumeration value=""/> </xsd:restriction> </xsd:simpleType>

simpleType **TruckDriverStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Off enumeration On enumeration Unknown
source	<xsd:simpleType name="TruckDriverStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Off"/> <xsd:enumeration value="On"/> <xsd:enumeration value="Unknown"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityMovementStatus**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
facets	enumeration Complete Notification enumeration Disposition Notification enumeration Quality Notification enumeration Weight and Quality Notification enumeration Weight Notification
source	<xsd:simpleType name="CommodityMovementStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Complete Notification"/> <xsd:enumeration value="Disposition Notification"/> <xsd:enumeration value="Quality Notification"/> <xsd:enumeration value="Weight and Quality Notification"/> <xsd:enumeration value="Weight Notification"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityMovementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Inbound enumeration In-store enumeration Outbound enumeration Paper Trade
source	<xsd:simpleType name="CommodityMovementType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Inbound"/> <xsd:enumeration value="In-store"/> <xsd:enumeration value="Outbound"/> <xsd:enumeration value="Paper Trade"/> </xsd:restriction> </xsd:simpleType>

simpleType **VehicleIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **VehicleIdentifierType**
facets	enumeration Barge enumeration Bar Code enumeration Bill of Lading enumeration Contract enumeration Description enumeration Driver Name enumeration Load Order enumeration Rail Car enumeration Scale Ticket enumeration Trailer License enumeration Truck License enumeration Vessel Hold enumeration Vessel Name
source	<xsd:simpleType name="VehicleIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bar Code"/> <xsd:enumeration value="Bill of Lading"/> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Description"/> <xsd:enumeration value="Driver Name"/>

```
    <xsd:enumeration value="Load Order"/>
    <xsd:enumeration value="Rail Car"/>
    <xsd:enumeration value="Scale Ticket"/>
    <xsd:enumeration value="Trailer License"/>
    <xsd:enumeration value="Truck License"/>
    <xsd:enumeration value="Vessel Hold"/>
    <xsd:enumeration value="Vessel Name"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **WeightClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Affidavit enumeration House enumeration X enumeration Y enumeration 1 enumeration 2 enumeration 3
source	<xsd:simpleType name="WeightClassCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Affidavit"/> <xsd:enumeration value="House"/> <xsd:enumeration value="X"/> <xsd:enumeration value="Y"/> <xsd:enumeration value="1"/> <xsd:enumeration value="2"/> <xsd:enumeration value="3"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightsToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Certified enumeration Destination Certified enumeration Destination Official enumeration Destination or Railroad enumeration First Certified enumeration First Official enumeration First Official or Certified enumeration First Official or Destination enumeration First Official or Railroad enumeration Origin Certified enumeration Origin House enumeration Origin Official
source	<xsd:simpleType name="WeightsToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Certified"/> <xsd:enumeration value="Destination Certified"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination or Railroad"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="First Official or Certified"/> <xsd:enumeration value="First Official or Destination"/> <xsd:enumeration value="First Official or Railroad"/> <xsd:enumeration value="Origin Certified"/>

```
    <xsd:enumeration value="Origin House"/>
    <xsd:enumeration value="Origin Official"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **WeightUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Weight/@weightUnitOfMeasure**
facets	enumeration Hundred Weight enumeration Kilograms enumeration Long tons enumeration Metric tons enumeration Pounds enumeration Short tons

source

```
<xsd:simpleType name="WeightUnitOfMeasure">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Hundred Weight"/>
    <xsd:enumeration value="Kilograms"/>
    <xsd:enumeration value="Long tons"/>
    <xsd:enumeration value="Metric tons"/>
    <xsd:enumeration value="Pounds"/>
    <xsd:enumeration value="Short tons"/>
  </xsd:restriction>
</xsd:simpleType>
```

12.2 Sample XML Instance Document

```
<?xml version="1.0" encoding="UTF-8" ?>
- <QualityCertificate xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:noNamespaceSchemaLocation="file:///C:/AgXML/schemas/QualityCertificate.xsd">
   - <QualityCertificateHeader>
      - <VehicleIdentification>
            <VehicleIdentifierType>Rail Car</VehicleIdentifierType>
            <RailOrBargeAlphaPrefix>CGAX</RailOrBargeAlphaPrefix>
            <VehicleIdentifier>9125</VehicleIdentifier>
        </VehicleIdentification>
      - <IssueDateTime>
            <Date>2001-06-08</Date>
        </IssueDateTime>
        <QualityCertificateIdentifier>CGAX 9125</QualityCertificateIdentifier>
      - <InspectionServiceProvider>
         - <EntityInformation>
               <EntityName>ADM/Growmark</EntityName>
            - <Address>
                  <City>Memphis</City>
                  <CountryRegionCode>TN</CountryRegionCode>
               </Address>
           </EntityInformation>
         - <IssuedFrom>
            - <LocationInformation>
                  <LocationName>ADM/Growmark</LocationName>
               - <Address>
                     <City>Memphis</City>
                     <CountryRegionCode>TN</CountryRegionCode>
                  </Address>
               </LocationInformation>
           </IssuedFrom>
        </InspectionServiceProvider>
        <ServiceRequester />
      - <CommodityInformation>
            <CommodityGroup>Corn</CommodityGroup>
            <CommodityClass>Yellow Corn</CommodityClass>
            <CommodityStandardGrade>U.S. No 2</CommodityStandardGrade>
        </CommodityInformation>
        <CommodityLocation />
        <ServiceOfficialCategory>Unofficial</ServiceOfficialCategory>
        <InspectionProviderType>House</InspectionProviderType>
        <InspectionLevelType>Original</InspectionLevelType>
    </QualityCertificateHeader>
   - <QualityCertificateDetail>
      - <QualityCertificateLine>
         - <QualityInformation>
               <QualityFactorCode>TW</QualityFactorCode>
               <CommodityStandardsAuthorityCode>GIPSA</CommodityStandardsAuthorityCode>
            - <QualityFactorMeasurement>
                  <QualityFactorValue qualityFactorUnitOfMeasure="Pounds Per
                        Bushel">58.9</QualityFactorValue>
               </QualityFactorMeasurement>
           </QualityInformation>
        </QualityCertificateLine>
      - <QualityCertificateLine>
         - <QualityInformation>
               <QualityFactorCode>M</QualityFactorCode>
               <CommodityStandardsAuthorityCode>GIPSA</CommodityStandardsAuthorityCode>
            - <QualityFactorMeasurement>
                  <QualityFactorValue
                        qualityFactorUnitOfMeasure="Percent">13.6</QualityFactorValue>
               </QualityFactorMeasurement>
           </QualityInformation>
        </QualityCertificateLine>
      - <QualityCertificateLine>
```

```
        - <QualityInformation>
            <QualityFactorCode>DKT</QualityFactorCode>
            <CommodityStandardsAuthorityCode>GIPSA</CommodityStandardsAuthorityCode>
          - <QualityFactorMeasurement>
              <QualityFactorValue qualityFactorUnitOfMeasure="Percent">1.4</QualityFactorValue>
            </QualityFactorMeasurement>
          </QualityInformation>
        </QualityCertificateLine>
      - <QualityCertificateLine>
          - <QualityInformation>
              <QualityFactorCode>HT</QualityFactorCode>
              <CommodityStandardsAuthorityCode>GIPSA</CommodityStandardsAuthorityCode>
            - <QualityFactorMeasurement>
                <QualityFactorValue qualityFactorUnitOfMeasure="Percent">0.0</QualityFactorValue>
              </QualityFactorMeasurement>
            </QualityInformation>
        </QualityCertificateLine>
      - <QualityCertificateLine>
          - <QualityInformation>
              <QualityFactorCode>FM</QualityFactorCode>
              <CommodityStandardsAuthorityCode>GIPSA</CommodityStandardsAuthorityCode>
            - <QualityFactorMeasurement>
                <QualityFactorValue qualityFactorUnitOfMeasure="Percent">1.5</QualityFactorValue>
              </QualityFactorMeasurement>
            </QualityInformation>
        </QualityCertificateLine>
    </QualityCertificateDetail>
</QualityCertificate>
```

13 Commodity Weight Certificate

13.1 Schema Documentation

schema location: C:\AgXML\Schemas\WeightCertificate.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommodityOwner
EstimatedWeightIndicator
GrossWeight
NetWeight
TareWeight
TruckDriverStatus
WeighMaster
WeightCertificate
WeightCertificateDetail
WeightCertificateHeader
WeightCertificateLine
WeightClassCode
WeightEndDateTime
WeightServiceProvider
WeightStartDateTime

schema location: C:\AgXML\Schemas\cCertificateInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
BatchIndicator
CommodityLocation
CommodityMovementIdentifier
Date
EquipmentType
FormIdentifier
FormIdentifierSource
FormInformation
FormVersion
IssueDateTime
IssuedFrom
RailOrBargeAlphaPrefix
RailShipmentIdentifier
ServiceEvent
ServiceOfficialCategory
Time
TransportationMode
VehicleIdentification
VehicleIdentifier
VehicleIdentifierType
Weight
WeightCertificateIdentifier

schema location: C:\AgXML\Schemas\cCommodityInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommodityClass
CommodityGroup
CommodityInformation
CommodityName
CommodityNameCode
CommoditySpecialGrade
CommodityStandardGrade
CommodityStandardGradeOptionalDesignation
CommodityStandardsAuthorityCode
CommoditySubClass
ConditionExistsFlag
QualityFactorCode
QualityFactorMeasurement
QualityFactorName
QualityFactorValue
QualityInformation
Remark
StandardTransportationCommodityCode

schema location: C:\AgXML\Schemas\cContactInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommunicationCode
CommunicationInformation
CommunicationMethod
ContactInformation
ContactName
JobTitle

schema location: C:\AgXML\Schemas\cEntityInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
EntityIdentifier
EntityInformation
EntityName
EntityType

schema location: C:\AgXML\Schemas\Glossary.xsd
targetNamespace: **http://www.agxml.org/schemas**

schema location: C:\AgXML\Schemas\dtCommodityClass.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityClass

schema location: C:\AgXML\Schemas\dtCommodityGroup.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityGroup

schema location: C:\AgXML\Schemas\dtCommodityName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityName

schema location: C:\AgXML\Schemas\dtCommodityNameCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityNameCode

schema location: C:\AgXML\Schemas\dtCommoditySpecialGrade.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySpecialGrade

schema location: C:\AgXML\Schemas\dtCommodityStandardGrade.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGrade

schema location: C:\AgXML\Schemas\dtCommodityStandardGradeOptionalDesignation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGradeOptionalDesignation

schema location: C:\AgXML\Schemas\dtCommodityStandardsAuthorityCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardsAuthorityCode

schema location: C:\AgXML\Schemas\dtCommoditySubClass.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySubClass

schema location: C:\AgXML\Schemas\dtQualityFactorCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorCode

schema location: C:\AgXML\Schemas\dtQualityFactorName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorName

schema location: C:\AgXML\Schemas\dtQualityFactorUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorUnitOfMeasure

schema location: C:\AgXML\Schemas\dtRemarkType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RemarkType

schema location: C:\AgXML\Schemas\dtCommunicationMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommunicationMethod

schema location: **C:\AgXML\Schemas\cAddress.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Elements
Address
AddressLine
City
CountryCode
CountryRegionCode
County
CountyFIPSCode
PostalCode

schema location: **C:\AgXML\Schemas\cLocationInformation.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Elements
LocationIdentifier
LocationInformation
LocationName
LocationType

schema location: **C:\AgXML\Schemas\dtEntityType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
EntityType

schema location: **C:\AgXML\Schemas\dtApplicationType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ApplicationType

schema location: **C:\AgXML\Schemas\dtBasisLocationMarket.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types

BasisLocationMarket

schema location: C:\AgXML\Schemas\dtBillOfLadingIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingIdentifierType

schema location: C:\AgXML\Schemas\dtBillOfLadingType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingType

schema location: C:\AgXML\Schemas\dtBuyerSellerCall.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BuyerSellerCall

schema location: C:\AgXML\Schemas\dtCommodityUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityUnitOfMeasure

schema location: C:\AgXML\Schemas\dtContractOriginator.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ContractOriginator

schema location: C:\AgXML\Schemas\dtCountryCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryCode

schema location: C:\AgXML\Schemas\dtCountryRegionCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryRegionCode

schema location: C:\AgXML\Schemas\dtCurrencyCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CurrencyCode

schema location: C:\AgXML\Schemas\dtDeliveryBasis.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DeliveryBasis

schema location: C:\AgXML\Schemas\dtDistanceUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DistanceUnitOfMeasure

schema location: C:\AgXML\Schemas\dtEquipmentType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
EquipmentType

schema location: C:\AgXML\Schemas\dtFreightPaymentTermType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightPaymentTermType

schema location: C:\AgXML\Schemas\dtFreightRateAuthorityType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightRateAuthorityType

schema location: C:\AgXML\Schemas\dtFuturesCommodityCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityCode

schema location: C:\AgXML\Schemas\dtFuturesCommodityName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityName

schema location: C:\AgXML\Schemas\dtFuturesExchangeCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesExchangeCode

schema location: C:\AgXML\Schemas\dtGoverningTradeRules.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GoverningTradeRules

schema location: C:\AgXML\Schemas\dtGradesToGovern.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GradesToGovern

schema location: C:\AgXML\Schemas\dtIdentifierSource.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
IdentifierSource

schema location: **C:\AgXML\Schemas\dtInspectionClassCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionClassCode

schema location: **C:\AgXML\Schemas\dtInspectionLevelType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionLevelType

schema location: **C:\AgXML\Schemas\dtInspectionProviderType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionProviderType

schema location: **C:\AgXML\Schemas\dtLocationType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
LocationType

schema location: **C:\AgXML\Schemas\dtMonthsOfYear.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
MonthsOfYear

schema location: **C:\AgXML\Schemas\dtPaymentTermType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PaymentTermType

schema location: C:\AgXML\Schemas\dtPermitIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PermitIdentifierType

schema location: C:\AgXML\Schemas\dtPremiumAndDiscountLimitCondition.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountLimitCondition

schema location: C:\AgXML\Schemas\dtPremiumAndDiscountMeasurementType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountMeasurementType

schema location: C:\AgXML\Schemas\dtPremiumAndDiscountQuantityType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountQuantityType

schema location: C:\AgXML\Schemas\dtPricingCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingCode

schema location: C:\AgXML\Schemas\dtPricingMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingMethod

schema location: C:\AgXML\Schemas\dtPriceType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PriceType

schema location: C:\AgXML\Schemas\dtQualityCertificateStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityCertificateStatus

schema location: C:\AgXML\Schemas\dtQualityGrouping.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityGrouping

schema location: C:\AgXML\Schemas\dtQuantityDeterminationMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QuantityDeterminationMethod

schema location: C:\AgXML\Schemas\dtRouteCarrierSequence.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteCarrierSequence

schema location: C:\AgXML\Schemas\dtRouteType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteType

schema location: C:\AgXML\Schemas\dtSampleMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleMethod

schema location: **C:\AgXML\Schemas\dtSampleOfficialCategory.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleOfficialCategory

schema location: **C:\AgXML\Schemas\dtScheduleEvent.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ScheduleEvent

schema location: **C:\AgXML\Schemas\dtServiceEvent.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceEvent

schema location: **C:\AgXML\Schemas\dtServiceOfficialCategory.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceOfficialCategory

schema location: **C:\AgXML\Schemas\dtSpecialHandlingService.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialHandlingService

schema location: **C:\AgXML\Schemas\dtSpecialTermName.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialTermName

schema location: **C:\AgXML\Schemas\dtStandardTransportationCommodityCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
StandardTransportationCommodityCode

schema location: **C:\AgXML\Schemas\dtTimeUnitOfMeasure.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TimeUnitOfMeasure

schema location: **C:\AgXML\Schemas\dtTolerancePricingTerm.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TolerancePricingTerm

schema location: **C:\AgXML\Schemas\dtTransportationMode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationMode

schema location: **C:\AgXML\Schemas\dtTransportationProvider.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationProvider

schema location: **C:\AgXML\Schemas\dtTransportationUnitOfMeasure.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationUnitOfMeasure

schema location: C:\AgXML\Schemas\dtTruckDriverStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TruckDriverStatus

schema location: C:\AgXML\Schemas\dtCommodityMovementStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementStatus

schema location: C:\AgXML\Schemas\dtCommodityMovementType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementType

schema location: C:\AgXML\Schemas\dtVehicleIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
VehicleIdentifierType

schema location: C:\AgXML\Schemas\dtWeightClassCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightClassCode

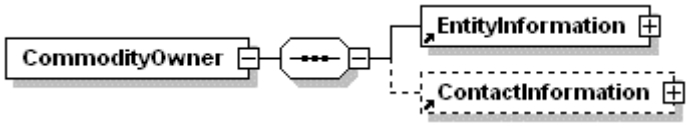
schema location: C:\AgXML\Schemas\dtWeightsToGovern.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightsToGovern

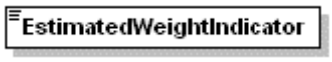
schema location: C:\AgXML\Schemas\dtWeightUnitofMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightUnitOfMeasure

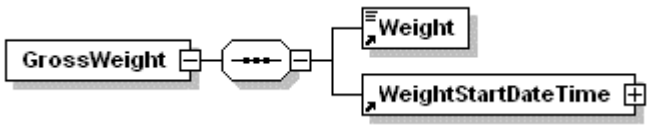
element **CommodityOwner**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation** **ContactInformation**
used by	element **WeightCertificateHeader**
source	<xsd:element name="CommodityOwner"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **EstimatedWeightIndicator**

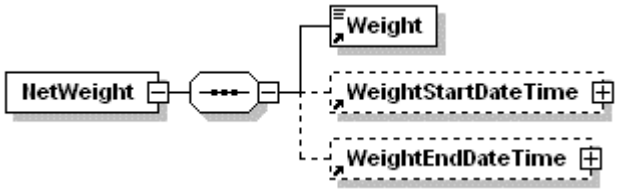
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **WeightCertificateHeader**
source	<xsd:element name="EstimatedWeightIndicator" type="xsd:boolean"/>

element **GrossWeight**

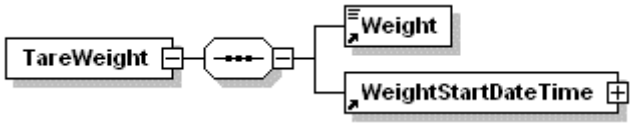
diagram	
namespace	http://www.agxml.org/schemas
children	**Weight** **WeightStartDateTime**
used by	element **WeightCertificateLine**
source	<xsd:element name="GrossWeight"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Weight"/> <xsd:element ref="WeightStartDateTime"/>

```
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>
```

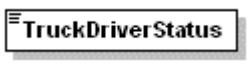
element **NetWeight**

diagram	
namespace	http://www.agxml.org/schemas
children	**Weight** **WeightStartDateTime** **WeightEndDateTime**
used by	element **WeightCertificateLine**
source	<xsd:element name="NetWeight"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Weight"/> <xsd:element ref="WeightStartDateTime" minOccurs="0"/> <xsd:element ref="WeightEndDateTime" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **TareWeight**

diagram	
namespace	http://www.agxml.org/schemas
children	**Weight** **WeightStartDateTime**
used by	element **WeightCertificateLine**
source	<xsd:element name="TareWeight"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Weight"/> <xsd:element ref="WeightStartDateTime"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **TruckDriverStatus**

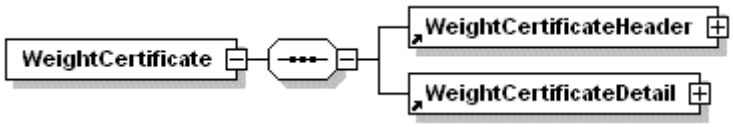
diagram	
namespace	http://www.agxml.org/schemas
type	**TruckDriverStatus**
used by	element **WeightCertificateHeader**

facets	enumeration Off enumeration On enumeration Unknown
source	<xsd:element name="TruckDriverStatus" type="TruckDriverStatus"/>

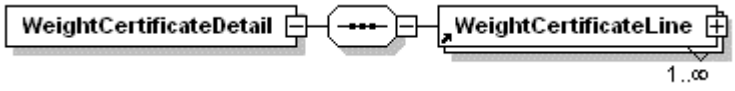
element **WeighMaster**

diagram	
namespace	http://www.agxml.org/schemas
children	EntityName
used by	element WeightServiceProvider
source	<xsd:element name="WeighMaster"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityName"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **WeightCertificate**

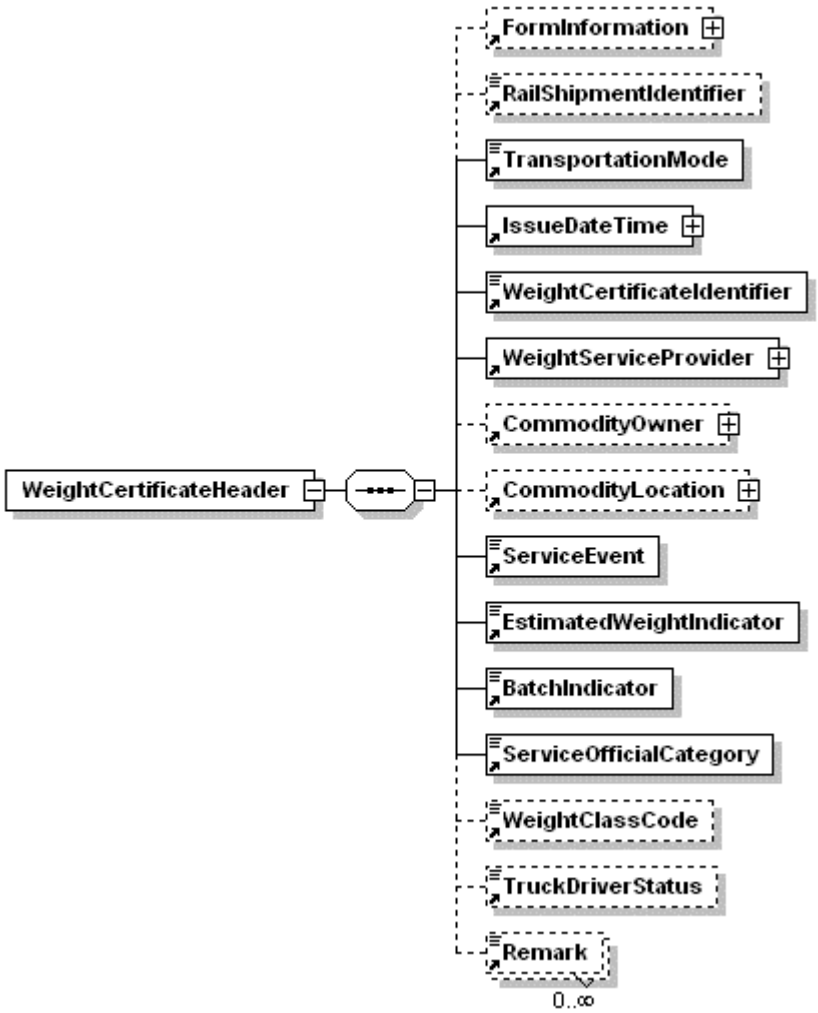
diagram	
namespace	http://www.agxml.org/schemas
children	WeightCertificateHeader WeightCertificateDetail
source	<xsd:element name="WeightCertificate"> <xsd:complexType> <xsd:sequence> <xsd:element ref="WeightCertificateHeader"/> <xsd:element ref="WeightCertificateDetail"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **WeightCertificateDetail**

diagram	
namespace	http://www.agxml.org/schemas
children	WeightCertificateLine
used by	element WeightCertificate
source	<xsd:element name="WeightCertificateDetail"> <xsd:complexType> <xsd:sequence> <xsd:element ref="WeightCertificateLine" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType>

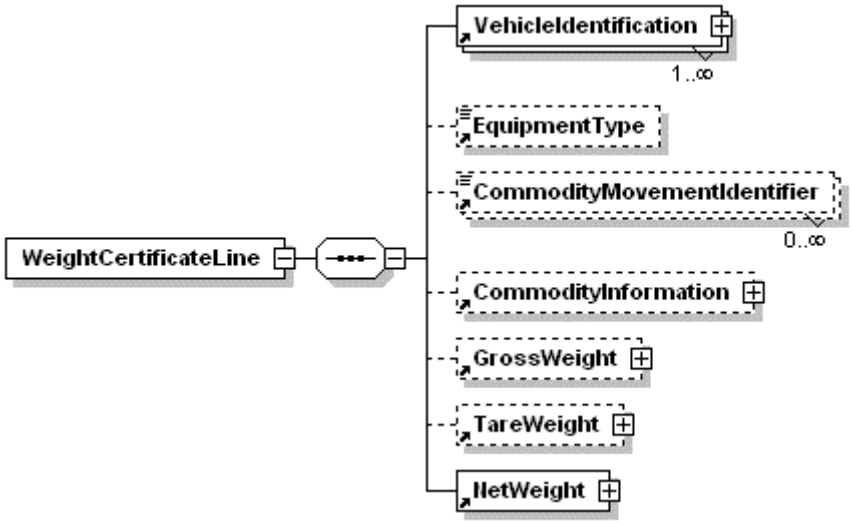
	</xsd:element>

element **WeightCertificateHeader**

diagram	
namespace	http://www.agxml.org/schemas
children	FormInformation RailShipmentIdentifier TransportationMode IssueDateTime WeightCertificateIdentifier WeightServiceProvider CommodityOwner CommodityLocation ServiceEvent EstimatedWeightIndicator BatchIndicator ServiceOfficialCategory WeightClassCode TruckDriverStatus Remark
used by	element WeightCertificate
source	<xsd:element name="WeightCertificateHeader"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FormInformation" minOccurs="0"/> <xsd:element ref="RailShipmentIdentifier" minOccurs="0"/> <xsd:element ref="TransportationMode"/> <xsd:element ref="IssueDateTime"/> <xsd:element ref="WeightCertificateIdentifier"/> <xsd:element ref="WeightServiceProvider"/> <xsd:element ref="CommodityOwner" minOccurs="0"/> <xsd:element ref="CommodityLocation" minOccurs="0"/> <xsd:element ref="ServiceEvent"/> <xsd:element ref="EstimatedWeightIndicator"/>

```
    <xsd:element ref="BatchIndicator"/>
    <xsd:element ref="ServiceOfficialCategory"/>
    <xsd:element ref="WeightClassCode" minOccurs="0"/>
    <xsd:element ref="TruckDriverStatus" minOccurs="0"/>
    <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

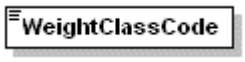
element **WeightCertificateLine**

diagram	
namespace	http://www.agxml.org/schemas
children	VehicleIdentification EquipmentType CommodityMovementIdentifier CommodityInformation GrossWeight TareWeight NetWeight
used by	element WeightCertificateDetail

source

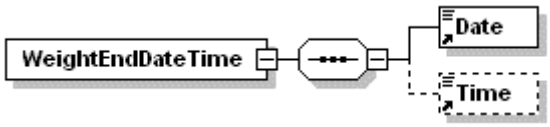
```
<xsd:element name="WeightCertificateLine">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="VehicleIdentification" maxOccurs="unbounded"/>
   <xsd:element ref="EquipmentType" minOccurs="0"/>
   <xsd:element ref="CommodityMovementIdentifier" minOccurs="0" maxOccurs="unbounded"/>
   <xsd:element ref="CommodityInformation" minOccurs="0"/>
   <xsd:element ref="GrossWeight" minOccurs="0"/>
   <xsd:element ref="TareWeight" minOccurs="0"/>
   <xsd:element ref="NetWeight"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>
```

element **WeightClassCode**

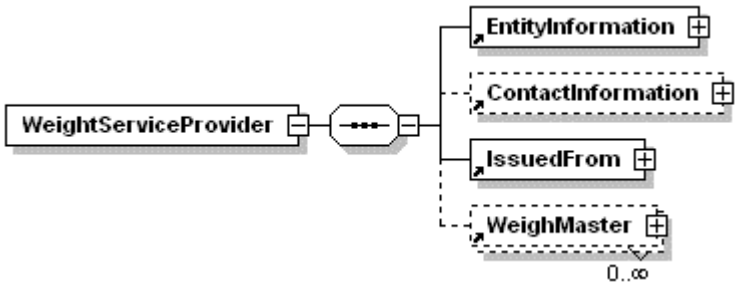
diagram	
namespace	http://www.agxml.org/schemas
type	WeightClassCode
used by	element WeightCertificateHeader

facets	enumeration Affidavit enumeration House enumeration X enumeration Y enumeration 1 enumeration 2 enumeration 3
source	<xsd:element name="WeightClassCode" type="WeightClassCode"/>

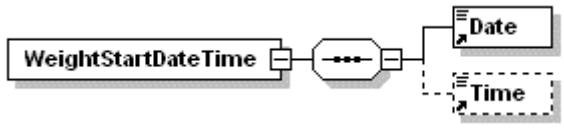
element **WeightEndDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	Date Time
used by	element NetWeight
source	<xsd:element name="WeightEndDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **WeightServiceProvider**

diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation IssuedFrom WeighMaster
used by	element WeightCertificateHeader
source	<xsd:element name="WeightServiceProvider"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0"/> <xsd:element ref="IssuedFrom"/> <xsd:element ref="WeighMaster" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

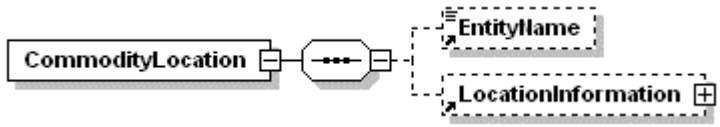
element **WeightStartDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	**Date** **Time**
used by	elements **GrossWeight** **NetWeight** **TareWeight**
source	<xsd:element name="WeightStartDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **BatchIndicator**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **WeightCertificateHeader**
source	<xsd:element name="BatchIndicator" type="xsd:boolean"/>

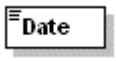
element **CommodityLocation**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityName** **LocationInformation**
used by	element **WeightCertificateHeader**
source	<xsd:element name="CommodityLocation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityName" minOccurs="0"/> <xsd:element ref="LocationInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityMovementIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **WeightCertificateLine**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="CommodityMovementIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **Date**

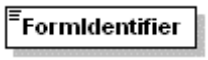
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:date**
used by	elements **IssueDateTime** **WeightEndDateTime** **WeightStartDateTime**
source	<xsd:element name="Date" type="xsd:date"/>

element **EquipmentType**

diagram	
namespace	http://www.agxml.org/schemas
type	**EquipmentType**
used by	element **WeightCertificateLine**
facets	enumeration Auger enumeration Barge enumeration Box enumeration Container enumeration Covered Hopper enumeration Double Trailer enumeration Flat-Bed enumeration Hi-Cube enumeration Hydrolic enumeration Lash Barge enumeration Laker enumeration Open Hopper enumeration Other enumeration Panamax enumeration Rake enumeration Rail

	enumeration Sacked enumeration Self-Trimming enumeration Self-Unloader enumeration Ship enumeration Small-Cube enumeration Tanker enumeration Truck enumeration Tween-Decker enumeration Unit Train
source	<xsd:element name="EquipmentType" type="EquipmentType"/>

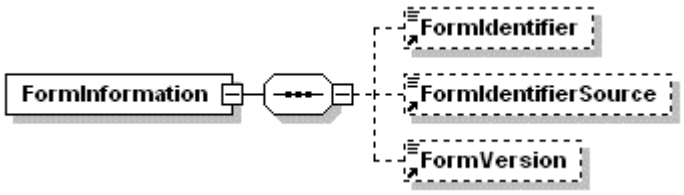
element **FormIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FormInformation**
source	<xsd:element name="FormIdentifier" type="xsd:string"/>

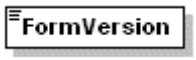
element **FormIdentifierSource**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FormInformation**
source	<xsd:element name="FormIdentifierSource" type="xsd:string"/>

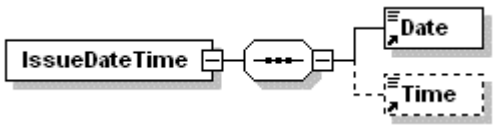
element **FormInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**FormIdentifier** **FormIdentifierSource** **FormVersion**
used by	element **WeightCertificateHeader**
source	<xsd:element name="FormInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FormIdentifier" minOccurs="0"/> <xsd:element ref="FormIdentifierSource" minOccurs="0"/> <xsd:element ref="FormVersion" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

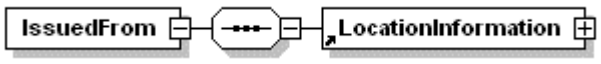
element **FormVersion**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FormInformation**
source	<xsd:element name="FormVersion" type="xsd:string"/>

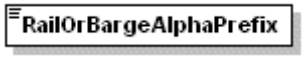
element **IssueDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	**Date** **Time**
used by	element **WeightCertificateHeader**
source	<xsd:element name="IssueDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **IssuedFrom**

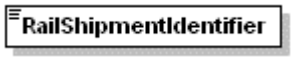
diagram	
namespace	http://www.agxml.org/schemas
children	**LocationInformation**
used by	element **WeightServiceProvider**
source	<xsd:element name="IssuedFrom"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **RailOrBargeAlphaPrefix**

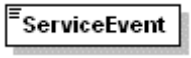
diagram	
namespace	http://www.agxml.org/schemas

type	**xsd:string**
used by	element **VehicleIdentification**
source	<xsd:element name="RailOrBargeAlphaPrefix" type="xsd:string"/>

element **RailShipmentIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **WeightCertificateHeader**
source	<xsd:element name="RailShipmentIdentifier" type="xsd:string"/>

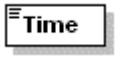
element **ServiceEvent**

diagram	
namespace	http://www.agxml.org/schemas
type	**ServiceEvent**
used by	element **WeightCertificateHeader**
facets	enumeration Export enumeration Inbound enumeration Outbound enumeration Submitted enumeration Track
source	<xsd:element name="ServiceEvent" type="ServiceEvent"/>

element **ServiceOfficialCategory**

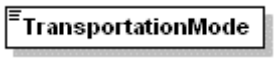
diagram	
namespace	http://www.agxml.org/schemas
type	**ServiceOfficialCategory**
used by	element **WeightCertificateHeader**
facets	enumeration Certified enumeration Official enumeration Unofficial
source	<xsd:element name="ServiceOfficialCategory" type="ServiceOfficialCategory"/>

element **Time**

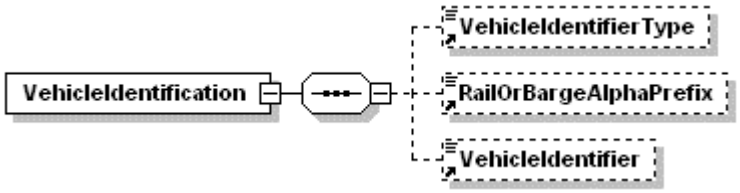
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:time**

used by	elements IssueDateTime WeightEndDateTime WeightStartDateTime
source	<xsd:element name="Time" type="xsd:time"/>

element **TransportationMode**

diagram	
namespace	http://www.agxml.org/schemas
type	TransportationMode
used by	element WeightCertificateHeader
facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck enumeration Vessel
source	<xsd:element name="TransportationMode" type="TransportationMode"/>

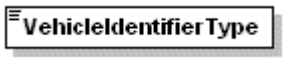
element **VehicleIdentification**

diagram	
namespace	http://www.agxml.org/schemas
children	VehicleIdentifierType RailOrBargeAlphaPrefix VehicleIdentifier
used by	element WeightCertificateLine
source	<xsd:element name="VehicleIdentification"> <xsd:complexType> <xsd:sequence> <xsd:element ref="VehicleIdentifierType" minOccurs="0"/> <xsd:element ref="RailOrBargeAlphaPrefix" minOccurs="0"/> <xsd:element ref="VehicleIdentifier" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

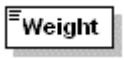
element **VehicleIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element VehicleIdentification
source	<xsd:element name="VehicleIdentifier" type="xsd:string"/>

element **VehicleIdentifierType**

diagram	
namespace	http://www.agxml.org/schemas
type	**VehicleIdentifierType**
used by	element **VehicleIdentification**
facets	enumeration Barge enumeration Bar Code enumeration Bill of Lading enumeration Contract enumeration Description enumeration Driver Name enumeration Load Order enumeration Rail Car enumeration Scale Ticket enumeration Trailer License enumeration Truck License enumeration Vessel Hold enumeration Vessel Name
source	<xsd:element name="VehicleIdentifierType" type="VehicleIdentifierType"/>

element **Weight**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	elements **GrossWeight** **NetWeight** **TareWeight**
attributes	Name: weightUnitOfMeasure; Type: WeightUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="Weight"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="weightUnitOfMeasure" type="WeightUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **WeightCertificateIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **WeightCertificateHeader**
source	<xsd:element name="WeightCertificateIdentifier" type="xsd:string"/>

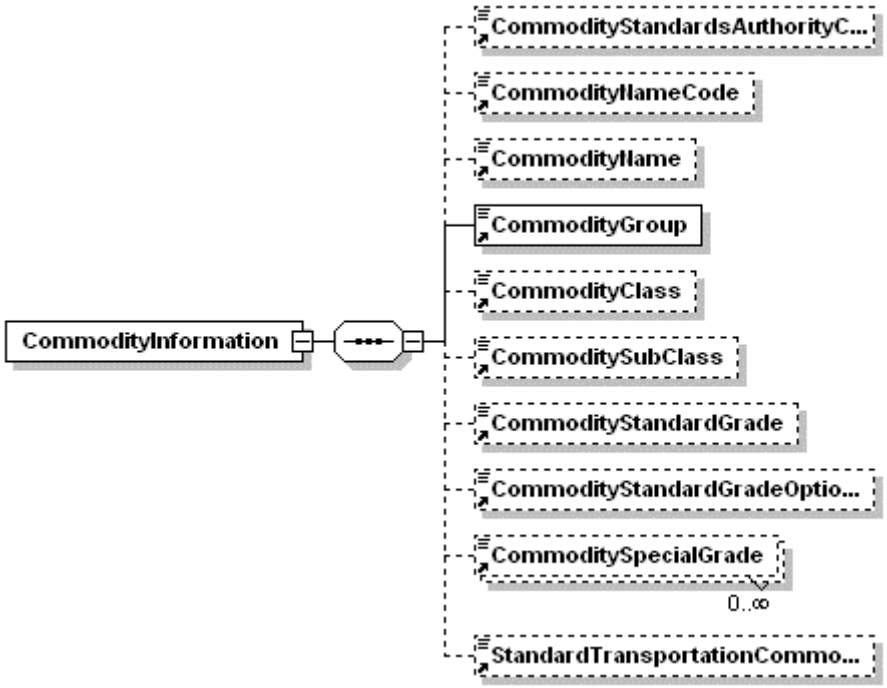
element **CommodityClass**

diagram	CommodityClass
namespace	http://www.agxml.org/schemas
type	CommodityClass
used by	element CommodityInformation
facets	enumeration Barley enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="CommodityClass" type="CommodityClass"/>

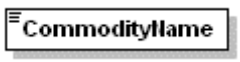
element **CommodityGroup**

diagram	CommodityGroup
namespace	http://www.agxml.org/schemas
type	CommodityGroup
used by	element CommodityInformation
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain enumeration Non-standardized Grain enumeration Oats enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:element name="CommodityGroup" type="CommodityGroup"/>

element **CommodityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	CommodityStandardsAuthorityCode CommodityNameCode CommodityName CommodityGroup CommodityClass CommoditySubClass CommodityStandardGrade CommodityStandardGradeOptionalDesignation CommoditySpecialGrade StandardTransportationCommodityCode
used by	element WeightCertificateLine
source	<xsd:element name="CommodityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommodityStandardsAuthorityCode" minOccurs="0"/> <xsd:element ref="CommodityNameCode" minOccurs="0"/> <xsd:element ref="CommodityName" minOccurs="0"/> <xsd:element ref="CommodityGroup"/> <xsd:element ref="CommodityClass" minOccurs="0"/> <xsd:element ref="CommoditySubClass" minOccurs="0"/> <xsd:element ref="CommodityStandardGrade" minOccurs="0"/> <xsd:element ref="CommodityStandardGradeOptionalDesignation" minOccurs="0"/> <xsd:element ref="CommoditySpecialGrade" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="StandardTransportationCommodityCode" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityName**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityName

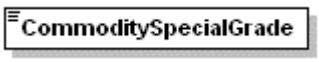
used by	element **CommodityInformation**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat enumeration White Corn enumeration White Sorghum enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="CommodityName" type="CommodityName"/>

element **CommodityNameCode**

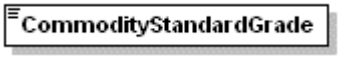
diagram	
namespace	http://www.agxml.org/schemas
type	**CommodityNameCode**
used by	element **CommodityInformation**
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K enumeration N enumeration NS enumeration O

	enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:element name="CommodityNameCode" type="CommodityNameCode"/>

element **CommoditySpecialGrade**

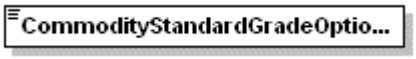
diagram	
namespace	http://www.agxml.org/schemas
type	CommoditySpecialGrade
used by	element CommodityInformation
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy
source	<xsd:element name="CommoditySpecialGrade" type="CommoditySpecialGrade"/>

element **CommodityStandardGrade**

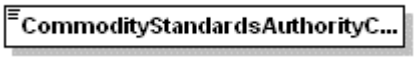
diagram	
namespace	http://www.agxml.org/schemas

type	CommodityStandardGrade
used by	element CommodityInformation
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5 enumeration U.S. Sample
source	<xsd:element name="CommodityStandardGrade" type="CommodityStandardGrade"/>

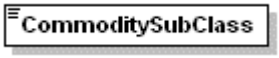
element **CommodityStandardGradeOptionalDesignation**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardGradeOptionalDesignation
used by	element CommodityInformation
facets	enumeration Or Better
source	<xsd:element name="CommodityStandardGradeOptionalDesignation" type="CommodityStandardGradeOptionalDesignation"/>

element **CommodityStandardsAuthorityCode**

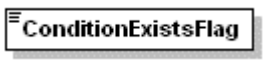
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardsAuthorityCode
used by	elements CommodityInformation QualityInformation
facets	enumeration GIPSA enumeration Industry
source	<xsd:element name="CommodityStandardsAuthorityCode" type="CommodityStandardsAuthorityCode"/>

element **CommoditySubClass**

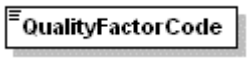
diagram	
namespace	http://www.agxml.org/schemas
type	CommoditySubClass
used by	element CommodityInformation
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley

	enumeration Soft White Wheat enumeration Two-rowed Barley enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:element name="CommoditySubClass" type="CommoditySubClass"/>

element **ConditionExistsFlag**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **QualityFactorMeasurement**
source	<xsd:element name="ConditionExistsFlag" type="xsd:boolean"/>

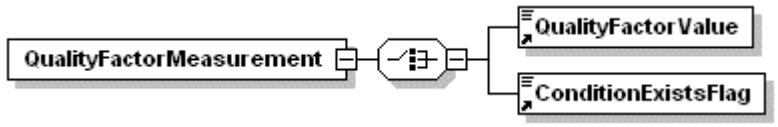
element **QualityFactorCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**QualityFactorCode**
used by	element **QualityInformation**
facets	enumeration ADM enumeration AFLATOXIN enumeration ANFL enumeration BADS enumeration BADW enumeration BC enumeration BCFM enumeration BLCH enumeration BLAL enumeration BLB enumeration BLIT enumeration BN enumeration BNFM enumeration BNS enumeration BRDX enumeration BRIT enumeration C enumeration CADM enumeration CBUR enumeration CCL enumeration CH enumeration CL enumeration COFO enumeration CROT enumeration CRSE enumeration CSF enumeration CSTB enumeration DEF enumeration DENT enumeration DGK enumeration DH enumeration DHV enumeration DIAT enumeration DISC enumeration DK

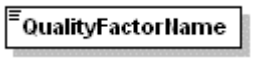
	enumeration	DK
	enumeration	DKT
	enumeration	DKG
	enumeration	DLQ
	enumeration	DYED
	enumeration	EHVY
	enumeration	ERC
	enumeration	ERG
	enumeration	FDK
	enumeration	FINE
	enumeration	FLIN
	enumeration	FLAD
	enumeration	FM
	enumeration	FMOR
	enumeration	FMOW
	enumeration	FMWR
	enumeration	FN
	enumeration	FSUB
	enumeration	GAR
	enumeration	GARB
	enumeration	GLAS
	enumeration	GERM
	enumeration	GLUC
	enumeration	GR
	enumeration	HARD
	enumeration	HT
	enumeration	HRS
	enumeration	HRW
	enumeration	HTG
	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF
	enumeration	IBHT
	enumeration	IBM
	enumeration	IDK
	enumeration	INF
	enumeration	LGAR
	enumeration	LGST
	enumeration	LIME
	enumeration	LSM
	enumeration	LW
	enumeration	M
	enumeration	MB
	enumeration	MDK
	enumeration	MDKG
	enumeration	MOTH
	enumeration	MSFM
	enumeration	MUST
	enumeration	MWTH
	enumeration	NSG
	enumeration	OCL
	enumeration	OCOL
	enumeration	ODK
	enumeration	ODOR
	enumeration	OG
	enumeration	OIL
	enumeration	OLI
	enumeration	OT
	enumeration	OWH
	enumeration	PL
	enumeration	PMS
	enumeration	PROT
	enumeration	RODX
	enumeration	SB
	enumeration	SBAL

	enumeration SBLY enumeration SBOC enumeration SC enumeration SCOR enumeration SCT enumeration SCL enumeration SG enumeration SHBN enumeration SKBN enumeration SKD enumeration SLW enumeration SMUT enumeration SMT enumeration SO enumeration SOUR enumeration SPL enumeration SS enumeration STON enumeration STND enumeration SULF enumeration THIN enumeration TOM enumeration TRET enumeration TW enumeration UMT enumeration UNCL enumeration VOMITOXIN enumeration WASH enumeration WAXY enumeration WB enumeration WBG enumeration WHAL enumeration WHT enumeration WO enumeration WOCL enumeration X
source	<xsd:element name="QualityFactorCode" type="QualityFactorCode"/>

element **QualityFactorMeasurement**

diagram	
namespace	http://www.agxml.org/schemas
children	QualityFactorValue ConditionExistsFlag
used by	element QualityInformation
source	<xsd:element name="QualityFactorMeasurement"> <xsd:complexType> <xsd:choice> <xsd:element ref="QualityFactorValue"/> <xsd:element ref="ConditionExistsFlag"/> </xsd:choice> </xsd:complexType> </xsd:element>

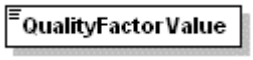
element **QualityFactorName**

diagram	
namespace	http://www.agxml.org/schemas
type	QualityFactorName
used by	element QualityInformation
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass enumeration Broken Kernels enumeration Broken Kernels and Foreign Material enumeration Castor Beans enumeration Choice enumeration Class enumeration Coarse enumeration Cockleburs enumeration Commercially Objectionable Foreign Odor enumeration Conspicuous Admixture enumeration Contrasting Classes enumeration Corn enumeration Crotalaria enumeration Cultivated Sunflower Seed enumeration Damaged Kernels enumeration Damaged Kernels (total) enumeration Dark Hard and Vitreous enumeration Defects (total) enumeration Dehulled enumeration Dent enumeration Diatomaceous Earth enumeration Distinctly Discolored enumeration Distinctly Green Kernels enumeration Distinctly Low Quality enumeration Dockage enumeration Dyed enumeration Ergoty enumeration Erucic Acid enumeration Extra Heavy enumeration Falling Numbers enumeration Fine Foreign Material enumeration Flint enumeration Flint and Dent enumeration Foreign Material enumeration Foreign Material Other than Rye enumeration Foreign Material Other than Wheat enumeration Foreign Material Other than Wheat or Rye enumeration Frost-damaged Kernels enumeration Garlic Bulblets enumeration Garlicky enumeration Glucosinolates

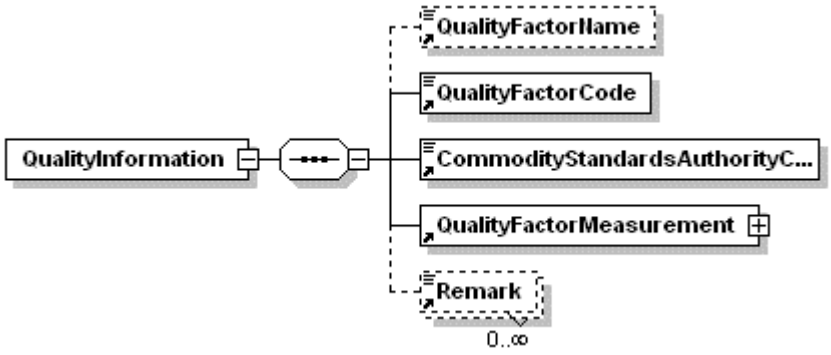
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture
	enumeration	Mold-damaged Kernels
	enumeration	Musty
	enumeration	Not Standardized Grain
	enumeration	Odor
	enumeration	Oil
	enumeration	Other Classes
	enumeration	Other Colors
	enumeration	Other Damaged Kernels
	enumeration	Other Grains
	enumeration	Other Live Insects Injurious to Stored Grain
	enumeration	Other Types
	enumeration	Other White Wheat
	enumeration	Plump
	enumeration	Protein
	enumeration	Purple Mottled or Stained
	enumeration	Rodent Excreta
	enumeration	Sample Grade
	enumeration	Sclerotinia
	enumeration	Scoured
	enumeration	Shrunken and Broken Kernels
	enumeration	Similar Seeds
	enumeration	Skinned and Broken Kernels
	enumeration	Slightly Weathered
	enumeration	Smut Balls
	enumeration	Smutty
	enumeration	Sound Barley
	enumeration	Sound Oats
	enumeration	Sour
	enumeration	Soybeans
	enumeration	Soybeans of Other Colors
	enumeration	Splits
	enumeration	Stained
	enumeration	Stinkbug Damaged
	enumeration	Stones
	enumeration	Stress Cracks
	enumeration	Subclass
	enumeration	Suitable Malting Type
	enumeration	Sulfured
	enumeration	Test Weight
	enumeration	Thin
	enumeration	Total Other Material

	enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:element name="QualityFactorName" type="QualityFactorName"/>

element **QualityFactorValue**

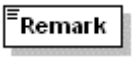
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **QualityFactorMeasurement**
attributes	Name: qualityFactorUnitOfMeasure; Type: QualityFactorUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="QualityFactorValue"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="qualityFactorUnitOfMeasure" type="QualityFactorUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **QualityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**QualityFactorName** **QualityFactorCode** **CommodityStandardsAuthorityCode** **QualityFactorMeasurement** **Remark**
source	<xsd:element name="QualityInformation"> <xsd:complexType> <xsd:sequence>

```
      <xsd:element ref="QualityFactorName" minOccurs="0"/>
      <xsd:element ref="QualityFactorCode"/>
      <xsd:element ref="CommodityStandardsAuthorityCode"/>
      <xsd:element ref="QualityFactorMeasurement"/>
      <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

element **Remark**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	elements **QualityInformation** **WeightCertificateHeader**
attributes	Name: remarkType; Type: RemarkType; Use; Default; Fixed
source	<xsd:element name="Remark"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="remarkType" type="RemarkType"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

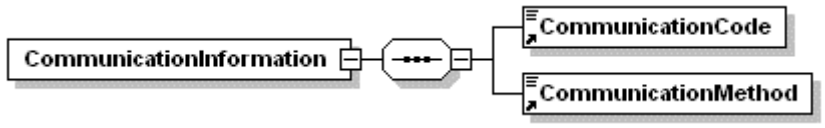
element **StandardTransportationCommodityCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **CommodityInformation**
source	<xsd:element name="StandardTransportationCommodityCode" type="xsd:string"/>

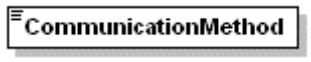
element **CommunicationCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **CommunicationInformation**
source	<xsd:element name="CommunicationCode" type="xsd:string"/>

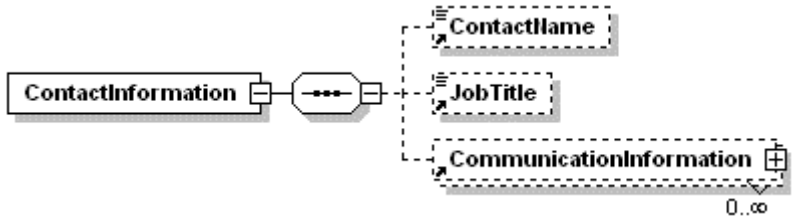
element **CommunicationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	CommunicationCode CommunicationMethod
used by	element ContactInformation
source	<xsd:element name="CommunicationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommunicationCode"/> <xsd:element ref="CommunicationMethod"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommunicationMethod**

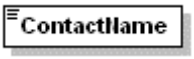
diagram	
namespace	http://www.agxml.org/schemas
type	CommunicationMethod
used by	element CommunicationInformation
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL
source	<xsd:element name="CommunicationMethod" type="CommunicationMethod"/>

element **ContactInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	ContactName JobTitle CommunicationInformation
used by	elements CommodityOwner WeightServiceProvider
source	<xsd:element name="ContactInformation">

```
<xsd:complexType>
 <xsd:sequence>
  <xsd:element ref="ContactName" minOccurs="0"/>
  <xsd:element ref="JobTitle" minOccurs="0"/>
  <xsd:element ref="CommunicationInformation" minOccurs="0" maxOccurs="unbounded"/>
 </xsd:sequence>
</xsd:complexType>
</xsd:element>
```

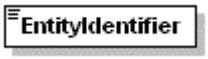
element **ContactName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ContactInformation**
source	`<xsd:element name="ContactName" type="xsd:string"/>`

element **JobTitle**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ContactInformation**
source	`<xsd:element name="JobTitle" type="xsd:string"/>`

element **EntityIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **EntityInformation**

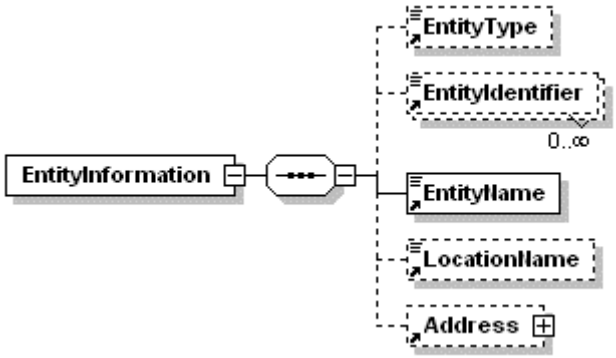
attributes

Name	Type	Use	Default	Fixed
identifierSource	IdentifierSource	optional		

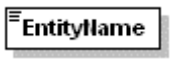
source

```
<xsd:element name="EntityIdentifier">
 <xsd:complexType>
  <xsd:simpleContent>
   <xsd:extension base="xsd:string">
    <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/>
   </xsd:extension>
  </xsd:simpleContent>
 </xsd:complexType>
</xsd:element>
```

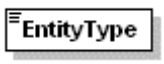
element **EntityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityType** **EntityIdentifier** **EntityName** **LocationName** **Address**
used by	elements **CommodityOwner** **WeightServiceProvider**
source	<xsd:element name="EntityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityType" minOccurs="0"/> <xsd:element ref="EntityIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="EntityName"/> <xsd:element ref="LocationName" minOccurs="0"/> <xsd:element ref="Address" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **EntityName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **CommodityLocation** **EntityInformation** **WeighMaster**
source	<xsd:element name="EntityName" type="xsd:string"/>

element **EntityType**

diagram	
namespace	http://www.agxml.org/schemas
type	**EntityType**
used by	element **EntityInformation**
facets	enumeration Organization enumeration Person
source	<xsd:element name="EntityType" type="EntityType"/>

simpleType **CommodityClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityClass**
facets	enumeration Barley enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Malting Barley"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Unclassed Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityGroup**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityGroup**
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain enumeration Non-standardized Grain enumeration Oats

	enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:simpleType name="CommodityGroup"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Corn"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Non-standardized Grain"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Soybeans"/> <xsd:enumeration value="Sunflower Seeds"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityName**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat enumeration White Corn enumeration White Sorghum enumeration White Wheat

	enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Blue Malting Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Six Rowed Barley"/> <xsd:enumeration value="Six Rowed Malting Barley"/> <xsd:enumeration value="Six Rowed Blue Malting Barley"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Sunflower Seed"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Two Rowed Barley"/> <xsd:enumeration value="Two Rowed Malting Barley"/> <xsd:enumeration value="Western White Wheat"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="White Wheat"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityNameCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityNameCode**
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K enumeration N enumeration NS enumeration O

	enumeration O enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:simpleType name="CommodityNameCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="ADU"/> <xsd:enumeration value="BLMB"/> <xsd:enumeration value="BLY"/> <xsd:enumeration value="DNS"/> <xsd:enumeration value="DU"/> <xsd:enumeration value="FLAX"/> <xsd:enumeration value="HADU"/> <xsd:enumeration value="HDWH"/> <xsd:enumeration value="HRS"/> <xsd:enumeration value="HRW"/> <xsd:enumeration value="K"/> <xsd:enumeration value="N"/> <xsd:enumeration value="NS"/> <xsd:enumeration value="O"/> <xsd:enumeration value="RS"/> <xsd:enumeration value="RYE"/> <xsd:enumeration value="S"/> <xsd:enumeration value="SF"/> <xsd:enumeration value="SRB"/> <xsd:enumeration value="SRBM"/> <xsd:enumeration value="SRMB"/> <xsd:enumeration value="SRW"/> <xsd:enumeration value="SWH"/> <xsd:enumeration value="TANS"/> <xsd:enumeration value="TRIT"/> <xsd:enumeration value="TRB"/> <xsd:enumeration value="TRMB"/> <xsd:enumeration value="WHCB"/> <xsd:enumeration value="WHC"/> <xsd:enumeration value="WHS"/> <xsd:enumeration value="WW"/> <xsd:enumeration value="WWH"/> <xsd:enumeration value="XC"/> <xsd:enumeration value="XGR"/> <xsd:enumeration value="XS"/> <xsd:enumeration value="XSB"/> <xsd:enumeration value="XWHT"/> <xsd:enumeration value="YC"/> <xsd:enumeration value="YSB"/> </xsd:restriction>

	</xsd:simpleType>

simpleType **CommoditySpecialGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySpecialGrade**
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy
source	<xsd:simpleType name="CommoditySpecialGrade"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Bleached"/> <xsd:enumeration value="Blighted"/> <xsd:enumeration value="Bright"/> <xsd:enumeration value="Ergoty"/> <xsd:enumeration value="Extra Heavy"/> <xsd:enumeration value="Flint"/> <xsd:enumeration value="Flint & Dent"/> <xsd:enumeration value="Garlicky"/> <xsd:enumeration value="Heavy"/> <xsd:enumeration value="Infested"/> <xsd:enumeration value="Light Garlicky"/> <xsd:enumeration value="Light Smutty"/> <xsd:enumeration value="Plump"/> <xsd:enumeration value="Purple Mottled or Stained"/> <xsd:enumeration value="Smutty"/> <xsd:enumeration value="Thin"/> <xsd:enumeration value="Treated"/> <xsd:enumeration value="Waxy"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGrade**
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5 enumeration U.S. Sample

source	<xsd:simpleType name="CommodityStandardGrade"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="U.S. No 1"/> <xsd:enumeration value="U.S. No 2"/> <xsd:enumeration value="U.S. No 3"/> <xsd:enumeration value="U.S. No 4"/> <xsd:enumeration value="U.S. No 5"/> <xsd:enumeration value="U.S. Sample"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardGradeOptionalDesignation**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGradeOptionalDesignation**
facets	enumeration Or Better
source	<xsd:simpleType name="CommodityStandardGradeOptionalDesignation"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Or Better"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardsAuthorityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardsAuthorityCode**
facets	enumeration GIPSA enumeration Industry
source	<xsd:simpleType name="CommodityStandardsAuthorityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="GIPSA"/> <xsd:enumeration value="Industry"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommoditySubClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySubClass**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley enumeration Soft White Wheat enumeration Two-rowed Barley

	enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:simpleType name="CommoditySubClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Six-rowed Barley"/> <xsd:enumeration value="Six-rowed Blue Malting Barley"/> <xsd:enumeration value="Six-rowed Malting Barley"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Two-rowed Barley"/> <xsd:enumeration value="Two-rowed Malting Barley"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="Western White Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityFactorCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QualityFactorCode**
facets	enumeration ADM enumeration AFLATOXIN enumeration ANFL enumeration BADS enumeration BADW enumeration BC enumeration BCFM enumeration BLCH enumeration BLAL enumeration BLB enumeration BLIT enumeration BN enumeration BNFM enumeration BNS enumeration BRDX enumeration BRIT enumeration C enumeration CADM enumeration CBUR enumeration CCL enumeration CH enumeration CL enumeration COFO enumeration CROT enumeration CRSE enumeration CSF enumeration CSTB enumeration DEF enumeration DENT enumeration DGK enumeration DH enumeration DHV enumeration DIAT enumeration DISC enumeration DK enumeration DKT enumeration DKG

	enumeration	DKG
	enumeration	DLQ
	enumeration	DYED
	enumeration	EHVY
	enumeration	ERC
	enumeration	ERG
	enumeration	FDK
	enumeration	FINE
	enumeration	FLIN
	enumeration	FLAD
	enumeration	FM
	enumeration	FMOR
	enumeration	FMOW
	enumeration	FMWR
	enumeration	FN
	enumeration	FSUB
	enumeration	GAR
	enumeration	GARB
	enumeration	GLAS
	enumeration	GERM
	enumeration	GLUC
	enumeration	GR
	enumeration	HARD
	enumeration	HT
	enumeration	HRS
	enumeration	HRW
	enumeration	HTG
	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF
	enumeration	IBHT
	enumeration	IBM
	enumeration	IDK
	enumeration	INF
	enumeration	LGAR
	enumeration	LGST
	enumeration	LIME
	enumeration	LSM
	enumeration	LW
	enumeration	M
	enumeration	MB
	enumeration	MDK
	enumeration	MDKG
	enumeration	MOTH
	enumeration	MSFM
	enumeration	MUST
	enumeration	MWTH
	enumeration	NSG
	enumeration	OCL
	enumeration	OCOL
	enumeration	ODK
	enumeration	ODOR
	enumeration	OG
	enumeration	OIL
	enumeration	OLI
	enumeration	OT
	enumeration	OWH
	enumeration	PL
	enumeration	PMS
	enumeration	PROT
	enumeration	RODX
	enumeration	SB
	enumeration	SBAL
	enumeration	SBLY
	enumeration	SBOC

	enumeration SC enumeration SCOR enumeration SCT enumeration SCL enumeration SG enumeration SHBN enumeration SKBN enumeration SKD enumeration SLW enumeration SMUT enumeration SMT enumeration SO enumeration SOUR enumeration SPL enumeration SS enumeration STON enumeration STND enumeration SULF enumeration THIN enumeration TOM enumeration TRET enumeration TW enumeration UMT enumeration UNCL enumeration VOMITOXIN enumeration WASH enumeration WAXY enumeration WB enumeration WBG enumeration WHAL enumeration WHT enumeration WO enumeration WOCL enumeration X
source	<xsd:simpleType name="QualityFactorCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="ADM"/> <xsd:enumeration value="AFLATOXIN"/> <xsd:enumeration value="ANFL"/> <xsd:enumeration value="BADS"/> <xsd:enumeration value="BADW"/> <xsd:enumeration value="BC"/> <xsd:enumeration value="BCFM"/> <xsd:enumeration value="BLCH"/> <xsd:enumeration value="BLAL"/> <xsd:enumeration value="BLB"/> <xsd:enumeration value="BLIT"/> <xsd:enumeration value="BN"/> <xsd:enumeration value="BNFM"/> <xsd:enumeration value="BNS"/> <xsd:enumeration value="BRDX"/> <xsd:enumeration value="BRIT"/> <xsd:enumeration value="C"/> <xsd:enumeration value="CADM"/> <xsd:enumeration value="CBUR"/> <xsd:enumeration value="CCL"/> <xsd:enumeration value="CH"/> <xsd:enumeration value="CL"/> <xsd:enumeration value="COFO"/> <xsd:enumeration value="CROT"/> <xsd:enumeration value="CRSE"/> <xsd:enumeration value="CSF"/> <xsd:enumeration value="CSTB"/> <xsd:enumeration value="DEF"/> <xsd:enumeration value="DENT"/> <xsd:enumeration value="DGK"/> <xsd:enumeration value="DH"/> <xsd:enumeration value="DHV"/>

```
<xsd:enumeration value="DIAT"/>
<xsd:enumeration value="DISC"/>
<xsd:enumeration value="DK"/>
<xsd:enumeration value="DKT"/>
<xsd:enumeration value="DKG"/>
<xsd:enumeration value="DLQ"/>
<xsd:enumeration value="DYED"/>
<xsd:enumeration value="EHVY"/>
<xsd:enumeration value="ERC"/>
<xsd:enumeration value="ERG"/>
<xsd:enumeration value="FDK"/>
<xsd:enumeration value="FINE"/>
<xsd:enumeration value="FLIN"/>
<xsd:enumeration value="FLAD"/>
<xsd:enumeration value="FM"/>
<xsd:enumeration value="FMOR"/>
<xsd:enumeration value="FMOW"/>
<xsd:enumeration value="FMWR"/>
<xsd:enumeration value="FN"/>
<xsd:enumeration value="FSUB"/>
<xsd:enumeration value="GAR"/>
<xsd:enumeration value="GARB"/>
<xsd:enumeration value="GLAS"/>
<xsd:enumeration value="GERM"/>
<xsd:enumeration value="GLUC"/>
<xsd:enumeration value="GR"/>
<xsd:enumeration value="HARD"/>
<xsd:enumeration value="HT"/>
<xsd:enumeration value="HRS"/>
<xsd:enumeration value="HRW"/>
<xsd:enumeration value="HTG"/>
<xsd:enumeration value="HP"/>
<xsd:enumeration value="HPFM"/>
<xsd:enumeration value="HVAC"/>
<xsd:enumeration value="HVY"/>
<xsd:enumeration value="IADM"/>
<xsd:enumeration value="IBF"/>
<xsd:enumeration value="IBHT"/>
<xsd:enumeration value="IBM"/>
<xsd:enumeration value="IDK"/>
<xsd:enumeration value="INF"/>
<xsd:enumeration value="LGAR"/>
<xsd:enumeration value="LGST"/>
<xsd:enumeration value="LIME"/>
<xsd:enumeration value="LSM"/>
<xsd:enumeration value="LW"/>
<xsd:enumeration value="M"/>
<xsd:enumeration value="MB"/>
<xsd:enumeration value="MDK"/>
<xsd:enumeration value="MDKG"/>
<xsd:enumeration value="MOTH"/>
<xsd:enumeration value="MSFM"/>
<xsd:enumeration value="MUST"/>
<xsd:enumeration value="MWTH"/>
<xsd:enumeration value="NSG"/>
<xsd:enumeration value="OCL"/>
<xsd:enumeration value="OCOL"/>
<xsd:enumeration value="ODK"/>
<xsd:enumeration value="ODOR"/>
<xsd:enumeration value="OG"/>
<xsd:enumeration value="OIL"/>
<xsd:enumeration value="OLI"/>
<xsd:enumeration value="OT"/>
<xsd:enumeration value="OWH"/>
<xsd:enumeration value="PL"/>
<xsd:enumeration value="PMS"/>
<xsd:enumeration value="PROT"/>
<xsd:enumeration value="RODX"/>
```

```
    <xsd:enumeration value="SB"/>
    <xsd:enumeration value="SBAL"/>
    <xsd:enumeration value="SBLY"/>
    <xsd:enumeration value="SBOC"/>
    <xsd:enumeration value="SC"/>
    <xsd:enumeration value="SCOR"/>
    <xsd:enumeration value="SCT"/>
    <xsd:enumeration value="SCL"/>
    <xsd:enumeration value="SG"/>
    <xsd:enumeration value="SHBN"/>
    <xsd:enumeration value="SKBN"/>
    <xsd:enumeration value="SKD"/>
    <xsd:enumeration value="SLW"/>
    <xsd:enumeration value="SMUT"/>
    <xsd:enumeration value="SMT"/>
    <xsd:enumeration value="SO"/>
    <xsd:enumeration value="SOUR"/>
    <xsd:enumeration value="SPL"/>
    <xsd:enumeration value="SS"/>
    <xsd:enumeration value="STON"/>
    <xsd:enumeration value="STND"/>
    <xsd:enumeration value="SULF"/>
    <xsd:enumeration value="THIN"/>
    <xsd:enumeration value="TOM"/>
    <xsd:enumeration value="TRET"/>
    <xsd:enumeration value="TW"/>
    <xsd:enumeration value="UMT"/>
    <xsd:enumeration value="UNCL"/>
    <xsd:enumeration value="VOMITOXIN"/>
    <xsd:enumeration value="WASH"/>
    <xsd:enumeration value="WAXY"/>
    <xsd:enumeration value="WB"/>
    <xsd:enumeration value="WBG"/>
    <xsd:enumeration value="WHAL"/>
    <xsd:enumeration value="WHT"/>
    <xsd:enumeration value="WO"/>
    <xsd:enumeration value="WOCL"/>
    <xsd:enumeration value="X"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QualityFactorName**
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass enumeration Broken Kernels enumeration Broken Kernels and Foreign Material enumeration Castor Beans

	enumeration	Castor Beans
	enumeration	Choice
	enumeration	Class
	enumeration	Coarse
	enumeration	Cockleburs
	enumeration	Commercially Objectionable Foreign Odor
	enumeration	Conspicuous Admixture
	enumeration	Contrasting Classes
	enumeration	Corn
	enumeration	Crotalaria
	enumeration	Cultivated Sunflower Seed
	enumeration	Damaged Kernels
	enumeration	Damaged Kernels (total)
	enumeration	Dark Hard and Vitreous
	enumeration	Defects (total)
	enumeration	Dehulled
	enumeration	Dent
	enumeration	Diatomaceous Earth
	enumeration	Distinctly Discolored
	enumeration	Distinctly Green Kernels
	enumeration	Distinctly Low Quality
	enumeration	Dockage
	enumeration	Dyed
	enumeration	Ergoty
	enumeration	Erucic Acid
	enumeration	Extra Heavy
	enumeration	Falling Numbers
	enumeration	Fine Foreign Material
	enumeration	Flint
	enumeration	Flint and Dent
	enumeration	Foreign Material
	enumeration	Foreign Material Other than Rye
	enumeration	Foreign Material Other than Wheat
	enumeration	Foreign Material Other than Wheat or Rye
	enumeration	Frost-damaged Kernels
	enumeration	Garlic Bulblets
	enumeration	Garlicky
	enumeration	Glucosinolates
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture
	enumeration	Mold-damaged Kernels
	enumeration	Musty
	enumeration	Not Standardized Grain

	enumeration Odor enumeration Oil enumeration Other Classes enumeration Other Colors enumeration Other Damaged Kernels enumeration Other Grains enumeration Other Live Insects Injurious to Stored Grain enumeration Other Types enumeration Other White Wheat enumeration Plump enumeration Protein enumeration Purple Mottled or Stained enumeration Rodent Excreta enumeration Sample Grade enumeration Sclerotinia enumeration Scoured enumeration Shrunken and Broken Kernels enumeration Similar Seeds enumeration Skinned and Broken Kernels enumeration Slightly Weathered enumeration Smut Balls enumeration Smutty enumeration Sound Barley enumeration Sound Oats enumeration Sour enumeration Soybeans enumeration Soybeans of Other Colors enumeration Splits enumeration Stained enumeration Stinkbug Damaged enumeration Stones enumeration Stress Cracks enumeration Subclass enumeration Suitable Malting Type enumeration Sulfured enumeration Test Weight enumeration Thin enumeration Total Other Material enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:simpleType name="QualityFactorName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Admixture"/> <xsd:enumeration value="Aflatoxin"/> <xsd:enumeration value="Angoumois Moths"/> <xsd:enumeration value="Animal Filth"/> <xsd:enumeration value="Badly Stained"/> <xsd:enumeration value="Badly Weathered"/> <xsd:enumeration value="Bird Excreta"/> <xsd:enumeration value="Bleached"/> <xsd:enumeration value="Blight"/> <xsd:enumeration value="Blue Aleurone"/> <xsd:enumeration value="Blue Barley"/> <xsd:enumeration value="Bottom Not Sampled"/> <xsd:enumeration value="Bright"/> <xsd:enumeration value="Broken Corn"/>

```
<xsd:enumeration value="Broken Corn and  Foreign Material"/>
<xsd:enumeration value="Broken Glass"/>
<xsd:enumeration value="Broken Kernels"/>
<xsd:enumeration value="Broken Kernels and Foreign Material"/>
<xsd:enumeration value="Castor Beans"/>
<xsd:enumeration value="Choice"/>
<xsd:enumeration value="Class"/>
<xsd:enumeration value="Coarse"/>
<xsd:enumeration value="Cockleburs"/>
<xsd:enumeration value="Commercially Objectionable Foreign Odor"/>
<xsd:enumeration value="Conspicuous Admixture"/>
<xsd:enumeration value="Contrasting Classes"/>
<xsd:enumeration value="Corn"/>
<xsd:enumeration value="Crotalaria"/>
<xsd:enumeration value="Cultivated Sunflower Seed"/>
<xsd:enumeration value="Damaged Kernels"/>
<xsd:enumeration value="Damaged Kernels (total)"/>
<xsd:enumeration value="Dark  Hard  and  Vitreous"/>
<xsd:enumeration value="Defects (total)"/>
<xsd:enumeration value="Dehulled"/>
<xsd:enumeration value="Dent"/>
<xsd:enumeration value="Diatomaceous Earth"/>
<xsd:enumeration value="Distinctly Discolored"/>
<xsd:enumeration value="Distinctly Green Kernels"/>
<xsd:enumeration value="Distinctly Low Quality"/>
<xsd:enumeration value="Dockage"/>
<xsd:enumeration value="Dyed"/>
<xsd:enumeration value="Ergoty"/>
<xsd:enumeration value="Erucic Acid"/>
<xsd:enumeration value="Extra Heavy"/>
<xsd:enumeration value="Falling Numbers"/>
<xsd:enumeration value="Fine Foreign Material"/>
<xsd:enumeration value="Flint"/>
<xsd:enumeration value="Flint and Dent"/>
<xsd:enumeration value="Foreign Material"/>
<xsd:enumeration value="Foreign Material Other than Rye"/>
<xsd:enumeration value="Foreign Material Other than Wheat"/>
<xsd:enumeration value="Foreign Material Other than Wheat or Rye"/>
<xsd:enumeration value="Frost-damaged Kernels"/>
<xsd:enumeration value="Garlic Bulblets"/>
<xsd:enumeration value="Garlicky"/>
<xsd:enumeration value="Glucosinolates"/>
<xsd:enumeration value="Germ"/>
<xsd:enumeration value="Grain"/>
<xsd:enumeration value="Handpicked"/>
<xsd:enumeration value="Handpicked Foreign Material"/>
<xsd:enumeration value="Hard and Vitreous Kernels of Amber Color"/>
<xsd:enumeration value="Hard Kernels"/>
<xsd:enumeration value="Heat-damaged Kernels"/>
<xsd:enumeration value="Hard Red Winter"/>
<xsd:enumeration value="Hard Red Spring"/>
<xsd:enumeration value="Heating"/>
<xsd:enumeration value="Heavy"/>
<xsd:enumeration value="Inconspicuous Admixture"/>
<xsd:enumeration value="Infested"/>
<xsd:enumeration value="Injured by Frost"/>
<xsd:enumeration value="Injured by Heat"/>
<xsd:enumeration value="Injured by Mold"/>
<xsd:enumeration value="Insect-damaged Kernels"/>
<xsd:enumeration value="Large stones  etc."/>
<xsd:enumeration value="Light Garlicky"/>
<xsd:enumeration value="Light Smutty"/>
<xsd:enumeration value="Limed"/>
<xsd:enumeration value="Machine Separated Broken Kernels and FM"/>
<xsd:enumeration value="Malting Barley"/>
<xsd:enumeration value="Materially Weathered"/>
<xsd:enumeration value="Mechanically Separated Dockage"/>
<xsd:enumeration value="Mixed"/>
```

```
    <xsd:enumeration value="Moisture"/>
    <xsd:enumeration value="Mold-damaged Kernels"/>
    <xsd:enumeration value="Musty"/>
    <xsd:enumeration value="Not Standardized Grain"/>
    <xsd:enumeration value="Odor"/>
    <xsd:enumeration value="Oil"/>
    <xsd:enumeration value="Other Classes"/>
    <xsd:enumeration value="Other Colors"/>
    <xsd:enumeration value="Other Damaged Kernels"/>
    <xsd:enumeration value="Other Grains"/>
    <xsd:enumeration value="Other Live Insects Injurious to Stored Grain"/>
    <xsd:enumeration value="Other Types"/>
    <xsd:enumeration value="Other White Wheat"/>
    <xsd:enumeration value="Plump"/>
    <xsd:enumeration value="Protein"/>
    <xsd:enumeration value="Purple Mottled or Stained"/>
    <xsd:enumeration value="Rodent Excreta"/>
    <xsd:enumeration value="Sample Grade"/>
    <xsd:enumeration value="Sclerotinia"/>
    <xsd:enumeration value="Scoured"/>
    <xsd:enumeration value="Shrunken and Broken Kernels"/>
    <xsd:enumeration value="Similar Seeds"/>
    <xsd:enumeration value="Skinned and Broken Kernels"/>
    <xsd:enumeration value="Slightly Weathered"/>
    <xsd:enumeration value="Smut Balls"/>
    <xsd:enumeration value="Smutty"/>
    <xsd:enumeration value="Sound Barley"/>
    <xsd:enumeration value="Sound Oats"/>
    <xsd:enumeration value="Sour"/>
    <xsd:enumeration value="Soybeans"/>
    <xsd:enumeration value="Soybeans of Other Colors"/>
    <xsd:enumeration value="Splits"/>
    <xsd:enumeration value="Stained"/>
    <xsd:enumeration value="Stinkbug Damaged"/>
    <xsd:enumeration value="Stones"/>
    <xsd:enumeration value="Stress Cracks"/>
    <xsd:enumeration value="Subclass"/>
    <xsd:enumeration value="Suitable Malting Type"/>
    <xsd:enumeration value="Sulfured"/>
    <xsd:enumeration value="Test Weight"/>
    <xsd:enumeration value="Thin"/>
    <xsd:enumeration value="Total Other Material"/>
    <xsd:enumeration value="Treated"/>
    <xsd:enumeration value="Unclassed Wheat"/>
    <xsd:enumeration value="Unknown Foreign Substance"/>
    <xsd:enumeration value="Unsuitable Malting Type"/>
    <xsd:enumeration value="Vomitoxin"/>
    <xsd:enumeration value="Washed"/>
    <xsd:enumeration value="Waxy"/>
    <xsd:enumeration value="Weevils (live)"/>
    <xsd:enumeration value="Wheat"/>
    <xsd:enumeration value="Wheat of Other Classes"/>
    <xsd:enumeration value="White Aleurone"/>
    <xsd:enumeration value="Wild Brome Grass Seed"/>
    <xsd:enumeration value="Wild Buckwheat"/>
    <xsd:enumeration value="Wild Oats"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **QualityFactorValue/@qualityFactorUnitOfMeasure**

facets	enumeration Count enumeration Kilograms Per Hectoliter enumeration Parts Per Billion enumeration Parts Per Million enumeration Percent enumeration Pounds Per Bushel
source	<xsd:simpleType name="QualityFactorUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Count"/> <xsd:enumeration value="Kilograms Per Hectoliter"/> <xsd:enumeration value="Parts Per Billion"/> <xsd:enumeration value="Parts Per Million"/> <xsd:enumeration value="Percent"/> <xsd:enumeration value="Pounds Per Bushel"/> </xsd:restriction> </xsd:simpleType>

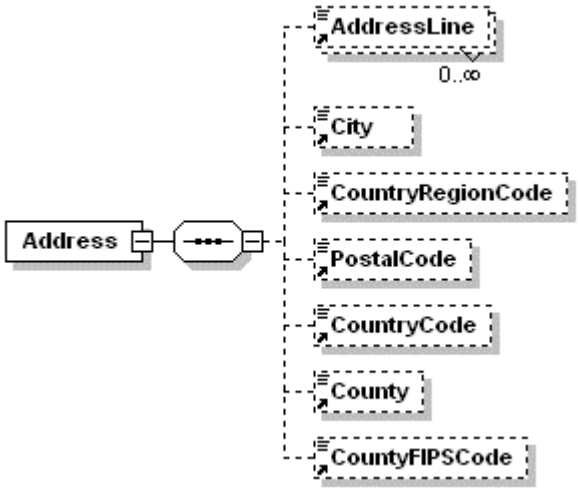
simpleType **RemarkType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Remark/@remarkType**
facets	enumeration Header enumeration Footer
source	<xsd:simpleType name="RemarkType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Header"/> <xsd:enumeration value="Footer"/> </xsd:restriction> </xsd:simpleType>

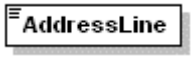
simpleType **CommunicationMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommunicationMethod**
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL
source	<xsd:simpleType name="CommunicationMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Cell Phone"/> <xsd:enumeration value="Desk Phone"/> <xsd:enumeration value="Email"/> <xsd:enumeration value="Fax"/> <xsd:enumeration value="FTP Site"/> <xsd:enumeration value="Pager"/> <xsd:enumeration value="Telex"/> <xsd:enumeration value="URL"/> </xsd:restriction> </xsd:simpleType>

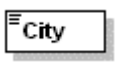
element **Address**

diagram	
namespace	http://www.agxml.org/schemas
children	AddressLine City CountryRegionCode PostalCode CountryCode County CountyFIPSCode
used by	elements EntityInformation LocationInformation
source	<xsd:element name="Address"> <xsd:complexType> <xsd:sequence> <xsd:element ref="AddressLine" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="City" minOccurs="0"/> <xsd:element ref="CountryRegionCode" minOccurs="0"/> <xsd:element ref="PostalCode" minOccurs="0"/> <xsd:element ref="CountryCode" minOccurs="0"/> <xsd:element ref="County" minOccurs="0"/> <xsd:element ref="CountyFIPSCode" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **AddressLine**

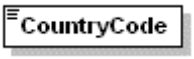
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element Address
source	<xsd:element name="AddressLine" type="xsd:string"/>

element **City**

diagram	
namespace	http://www.agxml.org/schemas

type	**xsd:string**
used by	element **Address**
source	<xsd:element name="City" type="xsd:string"/>

element **CountryCode**

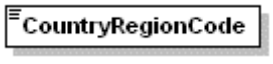
diagram	
namespace	http://www.agxml.org/schemas
type	**CountryCode**
used by	element **Address**
facets	enumeration AF enumeration AL enumeration DZ enumeration AS enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG enumeration BF enumeration BI enumeration KH enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN enumeration CX enumeration CC enumeration CO enumeration KM enumeration CG enumeration CD

	enumeration CK enumeration CR enumeration CI enumeration HR enumeration CU enumeration CY enumeration CZ enumeration DK enumeration DJ enumeration DM enumeration DO enumeration TP enumeration EC enumeration EG enumeration SV enumeration GQ enumeration ER enumeration EE enumeration ET enumeration FK enumeration FO enumeration FJ enumeration FI enumeration FR enumeration GF enumeration PF enumeration TF enumeration GA enumeration GM enumeration GE enumeration DE enumeration GH enumeration GI enumeration GR enumeration GL enumeration GD enumeration GP enumeration GU enumeration GT enumeration GN enumeration GW enumeration GY enumeration HT enumeration HM enumeration VA enumeration HN enumeration HK enumeration HU enumeration IS enumeration IN enumeration ID enumeration IR enumeration IQ enumeration IE enumeration IL enumeration IT enumeration JM enumeration JP enumeration JO enumeration KZ enumeration KE enumeration KI enumeration KP enumeration KR enumeration KW enumeration KG enumeration LA enumeration LV

	enumeration LB enumeration LS enumeration LR enumeration LY enumeration LI enumeration LT enumeration LU enumeration MO enumeration MK enumeration MG enumeration MW enumeration MY enumeration MV enumeration ML enumeration MT enumeration MH enumeration MQ enumeration MR enumeration MU enumeration YT enumeration MX enumeration FM enumeration MD enumeration MC enumeration MN enumeration MS enumeration MA enumeration MZ enumeration MM enumeration NA enumeration NR enumeration NP enumeration NL enumeration AN enumeration NC enumeration NZ enumeration NI enumeration NE enumeration NG enumeration NU enumeration NF enumeration MP enumeration NO enumeration OM enumeration K enumeration PW enumeration PS enumeration PA enumeration PG enumeration PY enumeration PE enumeration PH enumeration PN enumeration PL enumeration PT enumeration PR enumeration QA enumeration RE enumeration RO enumeration RU enumeration RW enumeration SH enumeration KN enumeration LC enumeration PM enumeration VC enumeration WS enumeration SM

	enumeration ST enumeration SA enumeration SN enumeration SC enumeration SL enumeration SG enumeration SK enumeration SI enumeration SB enumeration SO enumeration ZA enumeration GS enumeration ES enumeration LK enumeration SD enumeration SR enumeration SJ enumeration SZ enumeration SE enumeration CH enumeration SY enumeration TW enumeration TJ enumeration TZ enumeration TH enumeration TG enumeration TK enumeration TO enumeration TT enumeration TN enumeration TR enumeration TM enumeration TC enumeration TV enumeration UG enumeration UA enumeration AE enumeration GB enumeration US enumeration UM enumeration UY enumeration UZ enumeration VU enumeration VE enumeration VN enumeration VG enumeration VI enumeration WF enumeration EH enumeration YE enumeration YU enumeration ZM enumeration ZW
source	<xsd:element name="CountryCode" type="CountryCode"/>

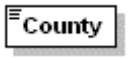
element **CountryRegionCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**CountryRegionCode**
used by	element **Address**

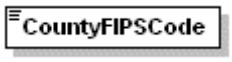
facets	enumeration	AL
	enumeration	BCN
	enumeration	BCS
	enumeration	CAN
	enumeration	CHIS
	enumeration	CHIH
	enumeration	COAH
	enumeration	COL
	enumeration	DF
	enumeration	DGO'
	enumeration	GTO
	enumeration	GRO
	enumeration	HGO
	enumeration	JAL
	enumeration	MEX
	enumeration	MICH
	enumeration	MOR
	enumeration	NAY
	enumeration	NLO
	enumeration	OAX
	enumeration	PUE
	enumeration	QRO
	enumeration	QROO
	enumeration	SLP
	enumeration	SIN
	enumeration	SON
	enumeration	TAB
	enumeration	TAMPS
	enumeration	TLAX
	enumeration	VER
	enumeration	YUC
	enumeration	ZAC
	enumeration	AB
	enumeration	BC
	enumeration	MB
	enumeration	NB
	enumeration	NF
	enumeration	NT
	enumeration	NS
	enumeration	NU
	enumeration	ON
	enumeration	PE
	enumeration	QC
	enumeration	SK
	enumeration	YT
	enumeration	AK
	enumeration	AZ
	enumeration	AR
	enumeration	CA
	enumeration	CO
	enumeration	CT
	enumeration	DE
	enumeration	DC
	enumeration	FL
	enumeration	GA
	enumeration	HI
	enumeration	ID
	enumeration	IL
	enumeration	IN
	enumeration	IA
	enumeration	KS
	enumeration	KY
	enumeration	LA
	enumeration	ME
	enumeration	MD
	enumeration	MA
	enumeration	MI
	enumeration	MN

	enumeration MS enumeration MO enumeration MT enumeration NE enumeration NV enumeration NH enumeration NJ enumeration NM enumeration NY enumeration NC enumeration ND enumeration OH enumeration OK enumeration OR enumeration PA enumeration PR enumeration RI enumeration SC enumeration SD enumeration TN enumeration TX enumeration UT enumeration VT enumeration VA enumeration WA enumeration WV enumeration WI enumeration WY enumeration AGS
source	<xsd:element name="CountryRegionCode" type="CountryRegionCode"/>

element **County**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="County" type="xsd:string"/>

element **CountyFIPSCode**

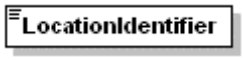
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="CountyFIPSCode" type="xsd:string"/>

element **PostalCode**

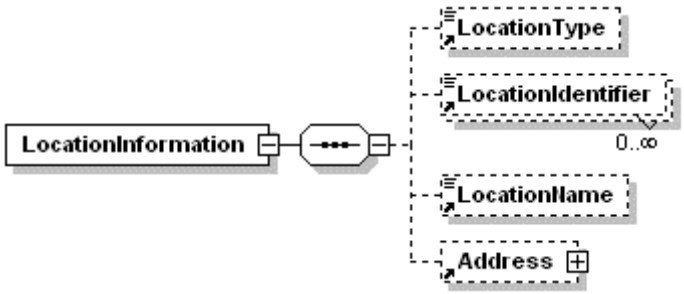
diagram	

namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="PostalCode" type="xsd:string"/>

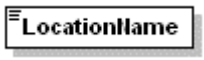
element **LocationIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **LocationInformation**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="LocationIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

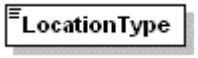
element **LocationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**LocationType** **LocationIdentifier** **LocationName** **Address**
used by	elements **CommodityLocation** **IssuedFrom**
source	<xsd:element name="LocationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationType" minOccurs="0"/> <xsd:element ref="LocationIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="LocationName" minOccurs="0"/> <xsd:element ref="Address" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **LocationName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **EntityInformation** **LocationInformation**
source	<xsd:element name="LocationName" type="xsd:string"/>

element **LocationType**

diagram	
namespace	http://www.agxml.org/schemas
type	**LocationType**
used by	element **LocationInformation**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location
source	<xsd:element name="LocationType" type="LocationType"/>

simpleType **EntityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **EntityType**
facets	enumeration Organization enumeration Person
source	<xsd:simpleType name="EntityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Organization"/> <xsd:enumeration value="Person"/> </xsd:restriction> </xsd:simpleType>

simpleType **ApplicationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Deferred Price enumeration Grain Bank enumeration Hold Payment enumeration Open Contract enumeration Specific Contract enumeration Spot End of Day enumeration Spot Immediate enumeration Storage enumeration Warehouse Receipt

	enumeration Unapplied/Hold
source	<xsd:simpleType name="ApplicationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Deferred Price"/> <xsd:enumeration value="Grain Bank"/> <xsd:enumeration value="Hold Payment"/> <xsd:enumeration value="Open Contract"/> <xsd:enumeration value="Specific Contract"/> <xsd:enumeration value="Spot End of Day"/> <xsd:enumeration value="Spot Immediate"/> <xsd:enumeration value="Storage"/> <xsd:enumeration value="Warehouse Receipt"/> <xsd:enumeration value="Unapplied/Hold"/> </xsd:restriction> </xsd:simpleType>

simpleType **BasisLocationMarket**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Atlantic Port enumeration Cedar River Railroad enumeration Central Kansas enumeration Chicago for Beyond enumeration Chicago including Burns Harbor enumeration Columbus for Beyond enumeration Columbia River District including Portland enumeration Columbia River District including Portland sellers option Pudget Sound District enumeration Commodity Credit Corporation enumeration Duluth/Superior enumeration East Texas Plains enumeration Evansville for Beyond enumeration Great Lakes enumeration Hanford/Tulare/Visalia enumeration Houston/Galveston/Beaumont enumeration Illinois Central Gulf enumeration Illinois River North enumeration Iowa & Minnesota Rail Link enumeration Kansas City enumeration Kansas City for Beyond enumeration Lower Mississippi River enumeration Lower Ohio River enumeration Mid-Bridge Brownsville enumeration Mid-Bridge Eagle Pass enumeration Mid-Bridge Laredo enumeration Mid-Bridge Nogales enumeration Mid-Bridge Presideo enumeration Mid-Mississippi River enumeration Minneapolis/Duluth enumeration Mississippi River enumeration Mississippi River Excluding Baton Rouge enumeration Modesto/Oakdale/Turlock enumeration North Kansas enumeration North Texas Plains enumeration Northeast Colorado enumeration Ohio River enumeration Pacific Northwest enumeration Pudget Sound District enumeration South Kansas enumeration South Texas Plains enumeration Southcentral Kansas enumeration Southeast Colorado enumeration Southeast Processors enumeration Southwest Kansas enumeration Stockton/San Joaquin Valley enumeration Tennessee River

	enumeration Tennessee River enumeration Texas Gulf enumeration Texas Gulf Excluding Brownsville enumeration Toledo/Maumee enumeration Track Nebraska enumeration Upper Mississippi River enumeration Upper Ohio River enumeration Union Pacific Group 3 enumeration Union Pacific Group 6 enumeration Union Pacific Group 9 enumeration United States Center Gulf enumeration United States Gulf enumeration United States Louisiana Gulf enumeration Washington Courthouse enumeration Western Kansas
source	<xsd:simpleType name="BasisLocationMarket"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Atlantic Port"/> <xsd:enumeration value="Cedar River Railroad"/> <xsd:enumeration value="Central Kansas"/> <xsd:enumeration value="Chicago for Beyond"/> <xsd:enumeration value="Chicago including Burns Harbor"/> <xsd:enumeration value="Columbus for Beyond"/> <xsd:enumeration value="Columbia River District including Portland"/> <xsd:enumeration value="Columbia River District including Portland sellers option Pudget Sound District"/> <xsd:enumeration value="Commodity Credit Corporation"/> <xsd:enumeration value="Duluth/Superior"/> <xsd:enumeration value="East Texas Plains"/> <xsd:enumeration value="Evansville for Beyond"/> <xsd:enumeration value="Great Lakes"/> <xsd:enumeration value="Hanford/Tulare/Visalia"/> <xsd:enumeration value="Houston/Galveston/Beaumont"/> <xsd:enumeration value="Illinois Central Gulf"/> <xsd:enumeration value="Illinois River North"/> <xsd:enumeration value="Iowa & Minnesota Rail Link"/> <xsd:enumeration value="Kansas City"/> <xsd:enumeration value="Kansas City for Beyond"/> <xsd:enumeration value="Lower Mississippi River"/> <xsd:enumeration value="Lower Ohio River"/> <xsd:enumeration value="Mid-Bridge Brownsville"/> <xsd:enumeration value="Mid-Bridge Eagle Pass"/> <xsd:enumeration value="Mid-Bridge Laredo"/> <xsd:enumeration value="Mid-Bridge Nogales"/> <xsd:enumeration value="Mid-Bridge Presideo"/> <xsd:enumeration value="Mid-Mississippi River"/> <xsd:enumeration value="Minneapolis/Duluth"/> <xsd:enumeration value="Mississippi River"/> <xsd:enumeration value="Mississippi River Excluding Baton Rouge"/> <xsd:enumeration value="Modesto/Oakdale/Turlock"/> <xsd:enumeration value="North Kansas"/> <xsd:enumeration value="North Texas Plains"/> <xsd:enumeration value="Northeast Colorado"/> <xsd:enumeration value="Ohio River"/> <xsd:enumeration value="Pacific Northwest"/> <xsd:enumeration value="Pudget Sound District"/> <xsd:enumeration value="South Kansas"/> <xsd:enumeration value="South Texas Plains"/> <xsd:enumeration value="Southcentral Kansas"/> <xsd:enumeration value="Southeast Colorado"/> <xsd:enumeration value="Southeast Processors"/> <xsd:enumeration value="Southwest Kansas"/> <xsd:enumeration value="Stockton/San Joaquin Valley"/> <xsd:enumeration value="Tennessee River"/> <xsd:enumeration value="Texas Gulf"/> <xsd:enumeration value="Texas Gulf Excluding Brownsville"/> <xsd:enumeration value="Toledo/Maumee"/> <xsd:enumeration value="Track Nebraska"/> <xsd:enumeration value="Upper Mississippi River"/>

```
    <xsd:enumeration value="Upper Ohio River"/>
    <xsd:enumeration value="Union Pacific Group 3"/>
    <xsd:enumeration value="Union Pacific Group 6"/>
    <xsd:enumeration value="Union Pacific Group 9"/>
    <xsd:enumeration value="United States Center Gulf"/>
    <xsd:enumeration value="United States Gulf"/>
    <xsd:enumeration value="United States Louisiana Gulf"/>
    <xsd:enumeration value="Washington Courthouse"/>
    <xsd:enumeration value="Western Kansas"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BillOfLadingIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Agent enumeration Delivery enumeration Shipper enumeration Waybill or Lading

source

```
<xsd:simpleType name="BillOfLadingIdentifierType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Agent"/>
    <xsd:enumeration value="Delivery"/>
    <xsd:enumeration value="Shipper"/>
    <xsd:enumeration value="Waybill or Lading"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BillOfLadingType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Order enumeration Straight

source

```
<xsd:simpleType name="BillOfLadingType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Order"/>
    <xsd:enumeration value="Straight"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BuyerSellerCall**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Seller

source

```
<xsd:simpleType name="BuyerSellerCall">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Buyer"/>
    <xsd:enumeration value="Seller"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CommodityUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Barge enumeration Bushel enumeration Car Load enumeration Hundred Weight enumeration Kilogram enumeration Long Ton enumeration Metric Ton enumeration Pound enumeration Shipment enumeration Short Ton enumeration Truck enumeration Vessel
source	<xsd:simpleType name="CommodityUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bushel"/> <xsd:enumeration value="Car Load"/> <xsd:enumeration value="Hundred Weight"/> <xsd:enumeration value="Kilogram"/> <xsd:enumeration value="Long Ton"/> <xsd:enumeration value="Metric Ton"/> <xsd:enumeration value="Pound"/> <xsd:enumeration value="Shipment"/> <xsd:enumeration value="Short Ton"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Vessel"/> </xsd:restriction> </xsd:simpleType>

simpleType **ContractOriginator**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Seller enumeration Agent
source	<xsd:simpleType name="ContractOriginator"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> <xsd:enumeration value="Agent"/> </xsd:restriction> </xsd:simpleType>

simpleType **CountryCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryCode**
facets	enumeration AF enumeration AL enumeration DZ enumeration AS

	enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG enumeration BF enumeration BI enumeration KH enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN enumeration CX enumeration CC enumeration CO enumeration KM enumeration CG enumeration CD enumeration CK enumeration CR enumeration CI enumeration HR enumeration CU enumeration CY enumeration CZ enumeration DK enumeration DJ enumeration DM enumeration DO enumeration TP enumeration EC enumeration EG enumeration SV enumeration GQ enumeration ER enumeration EE enumeration ET enumeration FK enumeration FO enumeration FJ

	enumeration	FI
	enumeration	FR
	enumeration	GF
	enumeration	PF
	enumeration	TF
	enumeration	GA
	enumeration	GM
	enumeration	GE
	enumeration	DE
	enumeration	GH
	enumeration	GI
	enumeration	GR
	enumeration	GL
	enumeration	GD
	enumeration	GP
	enumeration	GU
	enumeration	GT
	enumeration	GN
	enumeration	GW
	enumeration	GY
	enumeration	HT
	enumeration	HM
	enumeration	VA
	enumeration	HN
	enumeration	HK
	enumeration	HU
	enumeration	IS
	enumeration	IN
	enumeration	ID
	enumeration	IR
	enumeration	IQ
	enumeration	IE
	enumeration	IL
	enumeration	IT
	enumeration	JM
	enumeration	JP
	enumeration	JO
	enumeration	KZ
	enumeration	KE
	enumeration	KI
	enumeration	KP
	enumeration	KR
	enumeration	KW
	enumeration	KG
	enumeration	LA
	enumeration	LV
	enumeration	LB
	enumeration	LS
	enumeration	LR
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	enumeration	MT
	enumeration	MH
	enumeration	MQ
	enumeration	MR
	enumeration	MU
	enumeration	YT
	enumeration	MX
	enumeration	FM

	enumeration	MD
	enumeration	MC
	enumeration	MN
	enumeration	MS
	enumeration	MA
	enumeration	MZ
	enumeration	MM
	enumeration	NA
	enumeration	NR
	enumeration	NP
	enumeration	NL
	enumeration	AN
	enumeration	NC
	enumeration	NZ
	enumeration	NI
	enumeration	NE
	enumeration	NG
	enumeration	NU
	enumeration	NF
	enumeration	MP
	enumeration	NO
	enumeration	OM
	enumeration	K
	enumeration	PW
	enumeration	PS
	enumeration	PA
	enumeration	PG
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	enumeration	SN
	enumeration	SC
	enumeration	SL
	enumeration	SG
	enumeration	SK
	enumeration	SI
	enumeration	SB
	enumeration	SO
	enumeration	ZA
	enumeration	GS
	enumeration	ES
	enumeration	LK
	enumeration	SD
	enumeration	SR
	enumeration	SJ
	enumeration	SZ
	enumeration	SE
	enumeration	CH
	enumeration	SY
	enumeration	TW

	enumeration TJ enumeration TZ enumeration TH enumeration TG enumeration TK enumeration TO enumeration TT enumeration TN enumeration TR enumeration TM enumeration TC enumeration TV enumeration UG enumeration UA enumeration AE enumeration GB enumeration US enumeration UM enumeration UY enumeration UZ enumeration VU enumeration VE enumeration VN enumeration VG enumeration VI enumeration WF enumeration EH enumeration YE enumeration YU enumeration ZM enumeration ZW
source	<xsd:simpleType name="CountryCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="AF"/> <xsd:enumeration value="AL"/> <xsd:enumeration value="DZ"/> <xsd:enumeration value="AS"/> <xsd:enumeration value="AD"/> <xsd:enumeration value="AO"/> <xsd:enumeration value="AI"/> <xsd:enumeration value="AQ"/> <xsd:enumeration value="AG"/> <xsd:enumeration value="AR"/> <xsd:enumeration value="AM"/> <xsd:enumeration value="AW"/> <xsd:enumeration value="AU"/> <xsd:enumeration value="AT"/> <xsd:enumeration value="AZ"/> <xsd:enumeration value="BS"/> <xsd:enumeration value="BH"/> <xsd:enumeration value="BD"/> <xsd:enumeration value="BB"/> <xsd:enumeration value="BY"/> <xsd:enumeration value="BE"/> <xsd:enumeration value="BZ"/> <xsd:enumeration value="BJ"/> <xsd:enumeration value="BM"/> <xsd:enumeration value="BT"/> <xsd:enumeration value="BO"/> <xsd:enumeration value="BA"/> <xsd:enumeration value="BW"/> <xsd:enumeration value="BV"/> <xsd:enumeration value="BR"/> <xsd:enumeration value="IO"/> <xsd:enumeration value="BN"/> <xsd:enumeration value="BG"/> <xsd:enumeration value="BF"/> <xsd:enumeration value="BI"/>

```
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<xsd:enumeration value="IQ"/>
```

```
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<xsd:enumeration value="PE"/>
<xsd:enumeration value="PH"/>
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```

```
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<xsd:enumeration value="WF"/>
<xsd:enumeration value="EH"/>
<xsd:enumeration value="YE"/>
<xsd:enumeration value="YU"/>
<xsd:enumeration value="ZM"/>
<xsd:enumeration value="ZW"/>
```

```
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CountryRegionCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryRegionCode**
facets	enumeration AL enumeration BCN enumeration BCS enumeration CAN enumeration CHIS enumeration CHIH enumeration COAH enumeration COL enumeration DF enumeration DGO' enumeration GTO enumeration GRO enumeration HGO enumeration JAL enumeration MEX enumeration MICH enumeration MOR enumeration NAY enumeration NLO enumeration OAX enumeration PUE enumeration QRO enumeration QROO enumeration SLP enumeration SIN enumeration SON enumeration TAB enumeration TAMPS enumeration TLAX enumeration VER enumeration YUC enumeration ZAC enumeration AB enumeration BC enumeration MB enumeration NB enumeration NF enumeration NT enumeration NS enumeration NU enumeration ON enumeration PE enumeration QC enumeration SK enumeration YT enumeration AK enumeration AZ enumeration AR enumeration CA enumeration CO enumeration CT enumeration DE enumeration DC enumeration FL enumeration GA enumeration HI enumeration ID

	enumeration ID enumeration IL enumeration IN enumeration IA enumeration KS enumeration KY enumeration LA enumeration ME enumeration MD enumeration MA enumeration MI enumeration MN enumeration MS enumeration MO enumeration MT enumeration NE enumeration NV enumeration NH enumeration NJ enumeration NM enumeration NY enumeration NC enumeration ND enumeration OH enumeration OK enumeration OR enumeration PA enumeration PR enumeration RI enumeration SC enumeration SD enumeration TN enumeration TX enumeration UT enumeration VT enumeration VA enumeration WA enumeration WV enumeration WI enumeration WY enumeration AGS
source	<xsd:simpleType name="CountryRegionCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="AL"/> <xsd:enumeration value="BCN"/> <xsd:enumeration value="BCS"/> <xsd:enumeration value="CAN"/> <xsd:enumeration value="CHIS"/> <xsd:enumeration value="CHIH"/> <xsd:enumeration value="COAH"/> <xsd:enumeration value="COL"/> <xsd:enumeration value="DF"/> <xsd:enumeration value="DGO"'/> <xsd:enumeration value="GTO"/> <xsd:enumeration value="GRO"/> <xsd:enumeration value="HGO"/> <xsd:enumeration value="JAL"/> <xsd:enumeration value="MEX"/> <xsd:enumeration value="MICH"/> <xsd:enumeration value="MOR"/> <xsd:enumeration value="NAY"/> <xsd:enumeration value="NLO"/> <xsd:enumeration value="OAX"/> <xsd:enumeration value="PUE"/> <xsd:enumeration value="QRO"/> <xsd:enumeration value="QROO"/> <xsd:enumeration value="SLP"/> <xsd:enumeration value="SIN"/>

```
<xsd:enumeration value="SON"/>
<xsd:enumeration value="TAB"/>
<xsd:enumeration value="TAMPS"/>
<xsd:enumeration value="TLAX"/>
<xsd:enumeration value="VER"/>
<xsd:enumeration value="YUC"/>
<xsd:enumeration value="ZAC"/>
<xsd:enumeration value="AB"/>
<xsd:enumeration value="BC"/>
<xsd:enumeration value="MB"/>
<xsd:enumeration value="NB"/>
<xsd:enumeration value="NF"/>
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<xsd:enumeration value="TX"/>
<xsd:enumeration value="UT"/>
<xsd:enumeration value="VT"/>
<xsd:enumeration value="VA"/>
<xsd:enumeration value="WA"/>
```

```
    <xsd:enumeration value="WV"/>
    <xsd:enumeration value="WI"/>
    <xsd:enumeration value="WY"/>
    <xsd:enumeration value="AGS"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CurrencyCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration USD

```
<xsd:simpleType name="CurrencyCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="USD"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **DeliveryBasis**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CIF enumeration CIFFO enumeration CNF enumeration CNFFO enumeration Delivered enumeration FAS enumeration FOB enumeration FOB Farm enumeration FST enumeration In-store

```
<xsd:simpleType name="DeliveryBasis">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="CIF"/>
    <xsd:enumeration value="CIFFO"/>
    <xsd:enumeration value="CNF"/>
    <xsd:enumeration value="CNFFO"/>
    <xsd:enumeration value="Delivered"/>
    <xsd:enumeration value="FAS"/>
    <xsd:enumeration value="FOB"/>
    <xsd:enumeration value="FOB Farm"/>
    <xsd:enumeration value="FST"/>
    <xsd:enumeration value="In-store"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **DistanceUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Centimeters enumeration Feet enumeration Inches enumeration Meters enumeration Yards

```
<xsd:simpleType name="DistanceUnitOfMeasure">
```

```
  <xsd:restriction base="xsd:string">
   <xsd:enumeration value="Centimeters"/>
   <xsd:enumeration value="Feet"/>
   <xsd:enumeration value="Inches"/>
   <xsd:enumeration value="Meters"/>
   <xsd:enumeration value="Yards"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **EquipmentType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **EquipmentType**
facets	enumeration Auger enumeration Barge enumeration Box enumeration Container enumeration Covered Hopper enumeration Double Trailer enumeration Flat-Bed enumeration Hi-Cube enumeration Hydrolic enumeration Lash Barge enumeration Laker enumeration Open Hopper enumeration Other enumeration Panamax enumeration Rake enumeration Rail enumeration Sacked enumeration Self-Trimming enumeration Self-Unloader enumeration Ship enumeration Small-Cube enumeration Tanker enumeration Truck enumeration Tween-Decker enumeration Unit Train
source	<xsd:simpleType name="EquipmentType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Auger"/> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Box"/> <xsd:enumeration value="Container"/> <xsd:enumeration value="Covered Hopper"/> <xsd:enumeration value="Double Trailer"/> <xsd:enumeration value="Flat-Bed"/> <xsd:enumeration value="Hi-Cube"/> <xsd:enumeration value="Hydrolic"/> <xsd:enumeration value="Lash Barge"/> <xsd:enumeration value="Laker"/> <xsd:enumeration value="Open Hopper"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Panamax"/> <xsd:enumeration value="Rake"/> <xsd:enumeration value="Rail"/> <xsd:enumeration value="Sacked"/> <xsd:enumeration value="Self-Trimming"/> <xsd:enumeration value="Self-Unloader"/> <xsd:enumeration value="Ship"/> <xsd:enumeration value="Small-Cube"/> <xsd:enumeration value="Tanker"/> <xsd:enumeration value="Truck"/>

```
    <xsd:enumeration value="Tween-Decker"/>
    <xsd:enumeration value="Unit Train"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FreightPaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Collect enumeration Prepaid

source

```
<xsd:simpleType name="FreightPaymentTermType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Collect"/>
    <xsd:enumeration value="Prepaid"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FreightRateAuthorityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Contract enumeration Quote enumeration Rate enumeration Tariff

source

```
<xsd:simpleType name="FreightRateAuthorityType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Contract"/>
    <xsd:enumeration value="Quote"/>
    <xsd:enumeration value="Rate"/>
    <xsd:enumeration value="Tariff"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FuturesCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration C enumeration DW enumeration KW enumeration MW enumeration NW enumeration O enumeration S enumeration SM enumeration W enumeration XC enumeration XE enumeration XO enumeration XS enumeration XW

source

```
<xsd:simpleType name="FuturesCommodityCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="C"/>
    <xsd:enumeration value="DW"/>
    <xsd:enumeration value="KW"/>
```

```
    <xsd:enumeration value="MW"/>
    <xsd:enumeration value="NW"/>
    <xsd:enumeration value="O"/>
    <xsd:enumeration value="S"/>
    <xsd:enumeration value="SM"/>
    <xsd:enumeration value="W"/>
    <xsd:enumeration value="XC"/>
    <xsd:enumeration value="XE"/>
    <xsd:enumeration value="XO"/>
    <xsd:enumeration value="XS"/>
    <xsd:enumeration value="XW"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FuturesCommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Oats enumeration Soft Red Winter Wheat enumeration Soybean Meal enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans

source

```
<xsd:simpleType name="FuturesCommodityName">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Durum Wheat"/>
    <xsd:enumeration value="Hard Red Spring Wheat"/>
    <xsd:enumeration value="Hard Red Winter Wheat"/>
    <xsd:enumeration value="Oats"/>
    <xsd:enumeration value="Soft Red Winter Wheat"/>
    <xsd:enumeration value="Soybean Meal"/>
    <xsd:enumeration value="White Wheat"/>
    <xsd:enumeration value="Yellow Corn"/>
    <xsd:enumeration value="Yellow Soybeans"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **FuturesExchangeCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CBOT enumeration KCBOT enumeration MGE enumeration MIDAM

source

```
<xsd:simpleType name="FuturesExchangeCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="CBOT"/>
    <xsd:enumeration value="KCBOT"/>
    <xsd:enumeration value="MGE"/>
    <xsd:enumeration value="MIDAM"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **GoverningTradeRules**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration FOSFA enumeration GAFTA enumeration KCBOT enumeration MGE enumeration NAEGA 2 enumeration NCPA enumeration NGFA enumeration NOPA enumeration PME
source	<xsd:simpleType name="GoverningTradeRules"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="FOSFA"/> <xsd:enumeration value="GAFTA"/> <xsd:enumeration value="KCBOT"/> <xsd:enumeration value="MGE"/> <xsd:enumeration value="NAEGA 2"/> <xsd:enumeration value="NCPA"/> <xsd:enumeration value="NGFA"/> <xsd:enumeration value="NOPA"/> <xsd:enumeration value="PME"/> </xsd:restriction> </xsd:simpleType>

simpleType **GradesToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Destination House enumeration Destination Official enumeration Destination Submit enumeration First Certified enumeration First Official enumeration Origin House enumeration Origin Official enumeration Origin Submit
source	<xsd:simpleType name="GradesToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Destination House"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination Submit"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="Origin House"/> <xsd:enumeration value="Origin Official"/> <xsd:enumeration value="Origin Submit"/> </xsd:restriction> </xsd:simpleType>

simpleType **IdentifierSource**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes CommodityMovementIdentifier/@identifierSource EntityIdentifier/@identifierSource LocationIdentifier/@identifierSource

facets	enumeration Agent Internal enumeration Buyer Internal enumeration Dunn & Bradstreet enumeration GIPSA Internal enumeration RapidNet enumeration Seller Internal enumeration Service Provider Internal
source	<xsd:simpleType name="IdentifierSource"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent Internal"/> <xsd:enumeration value="Buyer Internal"/> <xsd:enumeration value="Dunn & Bradstreet"/> <xsd:enumeration value="GIPSA Internal"/> <xsd:enumeration value="RapidNet"/> <xsd:enumeration value="Seller Internal"/> <xsd:enumeration value="Service Provider Internal"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Affidavit enumeration A enumeration B enumeration C enumeration D enumeration E enumeration Other enumeration State Warehouse enumeration U.S. Warehouse Act
source	<xsd:simpleType name="InspectionClassCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Affidavit"/> <xsd:enumeration value="A"/> <xsd:enumeration value="B"/> <xsd:enumeration value="C"/> <xsd:enumeration value="D"/> <xsd:enumeration value="E"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="State Warehouse"/> <xsd:enumeration value="U.S. Warehouse Act"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionLevelType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Appeal enumeration Board Appeal enumeration Original enumeration Reinspection enumeration Supervision
source	<xsd:simpleType name="InspectionLevelType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Appeal"/> <xsd:enumeration value="Board Appeal"/> <xsd:enumeration value="Original"/> <xsd:enumeration value="Reinspection"/>

	<xsd:enumeration value="Supervision"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionProviderType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Federal enumeration House enumeration State enumeration Third Party
source	<xsd:simpleType name="InspectionProviderType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Federal"/> <xsd:enumeration value="House"/> <xsd:enumeration value="State"/> <xsd:enumeration value="Third Party"/> </xsd:restriction> </xsd:simpleType>

simpleType **LocationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **LocationType**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location
source	<xsd:simpleType name="LocationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Facility"/> <xsd:enumeration value="Farm"/> <xsd:enumeration value="Field"/> <xsd:enumeration value="Storage Location"/> </xsd:restriction> </xsd:simpleType>

simpleType **MonthsOfYear**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration January enumeration February enumeration March enumeration April enumeration May enumeration June enumeration July enumeration August enumeration September enumeration October enumeration November enumeration December
source	<xsd:simpleType name="MonthsOfYear"> <xsd:restriction base="xsd:string">

```
    <xsd:enumeration value="January"/>
    <xsd:enumeration value="February"/>
    <xsd:enumeration value="March"/>
    <xsd:enumeration value="April"/>
    <xsd:enumeration value="May"/>
    <xsd:enumeration value="June"/>
    <xsd:enumeration value="July"/>
    <xsd:enumeration value="August"/>
    <xsd:enumeration value="September"/>
    <xsd:enumeration value="October"/>
    <xsd:enumeration value="November"/>
    <xsd:enumeration value="December"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **PaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration At Time of Settlement enumeration Bill of Lading enumeration Bonded by Warehouse enumeration Cash Against Documents enumeration Cash Against Mates Receipt enumeration Cash in Advance enumeration Draft Bill of Lading enumeration Letter of Credit enumeration Letter of Credit Draft Bill of Lading enumeration Inter-Department Transfer enumeration Net enumeration Prepay enumeration Sight Draft enumeration Wire Transfer enumeration Wire Transfer Against Invoice and Documents enumeration Usual Terms

source

```
<xsd:simpleType name="PaymentTermType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="At Time of Settlement"/>
    <xsd:enumeration value="Bill of Lading"/>
    <xsd:enumeration value="Bonded by Warehouse"/>
    <xsd:enumeration value="Cash Against Documents"/>
    <xsd:enumeration value="Cash Against Mates Receipt"/>
    <xsd:enumeration value="Cash in Advance"/>
    <xsd:enumeration value="Draft Bill of Lading"/>
    <xsd:enumeration value="Letter of Credit"/>
    <xsd:enumeration value="Letter of Credit Draft Bill of Lading"/>
    <xsd:enumeration value="Inter-Department Transfer"/>
    <xsd:enumeration value="Net"/>
    <xsd:enumeration value="Prepay"/>
    <xsd:enumeration value="Sight Draft"/>
    <xsd:enumeration value="Wire Transfer"/>
    <xsd:enumeration value="Wire Transfer Against Invoice and Documents"/>
    <xsd:enumeration value="Usual Terms"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **PermitIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CLOCK enumeration COT enumeration GEEP

	enumeration GEEP enumeration Grain Authorization enumeration Lease enumeration PERX enumeration Pool enumeration Permit enumeration SCO enumeration Voucher
source	<xsd:simpleType name="PermitIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CLOCK"/> <xsd:enumeration value="COT"/> <xsd:enumeration value="GEEP"/> <xsd:enumeration value="Grain Authorization"/> <xsd:enumeration value="Lease"/> <xsd:enumeration value="PERX"/> <xsd:enumeration value="Pool"/> <xsd:enumeration value="Permit"/> <xsd:enumeration value="SCO"/> <xsd:enumeration value="Voucher"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountLimitCondition**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Negotiate enumeration Reject enumeration Subject to Rejection
source	<xsd:simpleType name="PremiumAndDiscountLimitCondition"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Negotiate"/> <xsd:enumeration value="Reject"/> <xsd:enumeration value="Subject to Rejection"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountMeasurementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Quality Factor enumeration Grade
source	<xsd:simpleType name="PremiumAndDiscountMeasurementType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Quality Factor"/> <xsd:enumeration value="Grade"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountQuantityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Percent of Gross Bushels enumeration Percent of Gross Weight enumeration Percent of Net Bushels enumeration Percent of Net Weight

	enumeration Percent of Net Weight
source	<xsd:simpleType name="PremiumAndDiscountQuantityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Percent of Gross Bushels"/> <xsd:enumeration value="Percent of Gross Weight"/> <xsd:enumeration value="Percent of Net Bushels"/> <xsd:enumeration value="Percent of Net Weight"/> </xsd:restriction> </xsd:simpleType>

simpleType **PricingCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Pricing enumeration Pricing Reversal
source	<xsd:simpleType name="PricingCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Pricing"/> <xsd:enumeration value="Pricing Reversal"/> </xsd:restriction> </xsd:simpleType>

simpleType **PricingMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Exchange enumeration Order enumeration Spot
source	<xsd:simpleType name="PricingMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Exchange"/> <xsd:enumeration value="Order"/> <xsd:enumeration value="Spot"/> </xsd:restriction> </xsd:simpleType>

simpleType **PriceType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Basis enumeration Delayed Price enumeration Flat enumeration Futures
source	<xsd:simpleType name="PriceType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Basis"/> <xsd:enumeration value="Delayed Price"/> <xsd:enumeration value="Flat"/> <xsd:enumeration value="Futures"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityCertificateStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Canceled enumeration Corrected enumeration Original enumeration Re-issued enumeration Verified
source	<xsd:simpleType name="QualityCertificateStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Canceled"/> <xsd:enumeration value="Corrected"/> <xsd:enumeration value="Original"/> <xsd:enumeration value="Re-issued"/> <xsd:enumeration value="Verified"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityGrouping**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Average per 5-Car Unit enumeration Average per 3-Car Unit enumeration Contract enumeration Cumulative Sum enumeration Hold enumeration Shipment enumeration Sublot enumeration Unit
source	<xsd:simpleType name="QualityGrouping"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Average per 5-Car Unit"/> <xsd:enumeration value="Average per 3-Car Unit"/> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Cumulative Sum"/> <xsd:enumeration value="Hold"/> <xsd:enumeration value="Shipment"/> <xsd:enumeration value="Sublot"/> <xsd:enumeration value="Unit"/> </xsd:restriction> </xsd:simpleType>

simpleType **QuantityDeterminationMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Actual enumeration Draft enumeration Estimated
source	<xsd:simpleType name="QuantityDeterminationMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Actual"/> <xsd:enumeration value="Draft"/> <xsd:enumeration value="Estimated"/> </xsd:restriction>

	</xsd:simpleType>

simpleType **RouteCarrierSequence**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration 1st Carrier after Origin Carrier enumeration 2nd Carrier after Origin Carrier enumeration 3rd Carrier after Origin Carrier enumeration 4th Carrier after Origin Carrier enumeration 5th Carrier after Origin Carrier enumeration 6th Carrier after Origin Carrier enumeration 7th Carrier after Origin Carrier enumeration 8th Carrier after Origin Carrier enumeration 9th Carrier after Origin Carrier enumeration Delivery Carrier enumeration Delivery Switch Carrier enumeration Origin Carrier enumeration Origin Switch Carrier
source	<xsd:simpleType name="RouteCarrierSequence"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="1st Carrier after Origin Carrier"/> <xsd:enumeration value="2nd Carrier after Origin Carrier"/> <xsd:enumeration value="3rd Carrier after Origin Carrier"/> <xsd:enumeration value="4th Carrier after Origin Carrier"/> <xsd:enumeration value="5th Carrier after Origin Carrier"/> <xsd:enumeration value="6th Carrier after Origin Carrier"/> <xsd:enumeration value="7th Carrier after Origin Carrier"/> <xsd:enumeration value="8th Carrier after Origin Carrier"/> <xsd:enumeration value="9th Carrier after Origin Carrier"/> <xsd:enumeration value="Delivery Carrier"/> <xsd:enumeration value="Delivery Switch Carrier"/> <xsd:enumeration value="Origin Carrier"/> <xsd:enumeration value="Origin Switch Carrier"/> </xsd:restriction> </xsd:simpleType>

simpleType **RouteType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Carrier enumeration Shipper
source	<xsd:simpleType name="RouteType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Carrier"/> <xsd:enumeration value="Shipper"/> </xsd:restriction> </xsd:simpleType>

simpleType **SampleMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Belt enumeration Diverter enumeration Door

	enumeration Door enumeration Ellis Cup enumeration Mechanical Diverter enumeration Other enumeration Pelican enumeration Probe enumeration Shallow Probe enumeration Woodside
source	<xsd:simpleType name="SampleMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Belt"/> <xsd:enumeration value="Diverter"/> <xsd:enumeration value="Door"/> <xsd:enumeration value="Ellis Cup"/> <xsd:enumeration value="Mechanical Diverter"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Pelican"/> <xsd:enumeration value="Probe"/> <xsd:enumeration value="Shallow Probe"/> <xsd:enumeration value="Woodside"/> </xsd:restriction> </xsd:simpleType>

simpleType **SampleOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Official enumeration Submitted
source	<xsd:simpleType name="SampleOfficialCategory"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Official"/> <xsd:enumeration value="Submitted"/> </xsd:restriction> </xsd:simpleType>

simpleType **ScheduleEvent**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration At Time of Contract Creation enumeration At Time of Load enumeration At Time of Pricing enumeration At Time of Settlement enumeration At Time of Shipment enumeration At Time of Unload
source	<xsd:simpleType name="ScheduleEvent"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="At Time of Contract Creation"/> <xsd:enumeration value="At Time of Load"/> <xsd:enumeration value="At Time of Pricing"/> <xsd:enumeration value="At Time of Settlement"/> <xsd:enumeration value="At Time of Shipment"/> <xsd:enumeration value="At Time of Unload"/> </xsd:restriction> </xsd:simpleType>

simpleType **ServiceEvent**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **ServiceEvent**
facets	enumeration Export enumeration Inbound enumeration Outbound enumeration Submitted enumeration Track
source	<xsd:simpleType name="ServiceEvent"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Export"/> <xsd:enumeration value="Inbound"/> <xsd:enumeration value="Outbound"/> <xsd:enumeration value="Submitted"/> <xsd:enumeration value="Track"/> </xsd:restriction> </xsd:simpleType>

simpleType **ServiceOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **ServiceOfficialCategory**
facets	enumeration Certified enumeration Official enumeration Unofficial
source	<xsd:simpleType name="ServiceOfficialCategory"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Certified"/> <xsd:enumeration value="Official"/> <xsd:enumeration value="Unofficial"/> </xsd:restriction> </xsd:simpleType>

simpleType **SpecialHandlingService**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Destination Weights enumeration Destination Grades enumeration First Official Grades enumeration First Official Weights enumeration LFVC enumeration Official Grades enumeration Official Weights enumeration Origin Weights enumeration Origin Grades enumeration Track Scale Weights enumeration WD enumeration WI enumeration WISD enumeration XP
source	<xsd:simpleType name="SpecialHandlingService"> <xsd:restriction base="xsd:string">

```
    <xsd:enumeration value="Destination Weights"/>
    <xsd:enumeration value="Destination Grades"/>
    <xsd:enumeration value="First Official Grades"/>
    <xsd:enumeration value="First Official Weights"/>
    <xsd:enumeration value="LFVC"/>
    <xsd:enumeration value="Official Grades"/>
    <xsd:enumeration value="Official Weights"/>
    <xsd:enumeration value="Origin Weights"/>
    <xsd:enumeration value="Origin Grades"/>
    <xsd:enumeration value="Track Scale Weights"/>
    <xsd:enumeration value="WD"/>
    <xsd:enumeration value="WI"/>
    <xsd:enumeration value="WISD"/>
    <xsd:enumeration value="XP"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **SpecialTermName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Advance Rate enumeration Broker Rate enumeration Cancellation Fee enumeration Carrying Charge enumeration Days Load Notice enumeration Demurrage Charge enumeration Despatch Charge enumeration Delayed Price In Charge enumeration Delayed Price Monthly Charge enumeration Fumigation Charge enumeration Interest Charge enumeration Issue Fee enumeration Load Guarantee enumeration Load Port Declaration enumeration Other enumeration Price By Date enumeration Re-price Charge enumeration Roll Fee enumeration Service Charge enumeration Shipment Period Declaration enumeration Special Contract Information enumeration Storage In Charge enumeration Storage Monthly Charge

source

```
<xsd:simpleType name="SpecialTermName">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Advance Rate"/>
    <xsd:enumeration value="Broker Rate"/>
    <xsd:enumeration value="Cancellation Fee"/>
    <xsd:enumeration value="Carrying Charge"/>
    <xsd:enumeration value="Days Load Notice"/>
    <xsd:enumeration value="Demurrage Charge"/>
    <xsd:enumeration value="Despatch Charge"/>
    <xsd:enumeration value="Delayed Price In Charge"/>
    <xsd:enumeration value="Delayed Price Monthly Charge"/>
    <xsd:enumeration value="Fumigation Charge"/>
    <xsd:enumeration value="Interest Charge"/>
    <xsd:enumeration value="Issue Fee"/>
    <xsd:enumeration value="Load Guarantee"/>
    <xsd:enumeration value="Load Port Declaration"/>
    <xsd:enumeration value="Other"/>
    <xsd:enumeration value="Price By Date"/>
    <xsd:enumeration value="Re-price Charge"/>
    <xsd:enumeration value="Roll Fee"/>
    <xsd:enumeration value="Service Charge"/>
```

```
    <xsd:enumeration value="Shipment Period Declaration"/>
    <xsd:enumeration value="Special Contract Information"/>
    <xsd:enumeration value="Storage In Charge"/>
    <xsd:enumeration value="Storage Monthly Charge"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **StandardTransportationCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration 01-131 Barley enumeration 01-132 Corn enumeration 01-133 Oats enumeration 01-135 Rye enumeration 01-136 Sorghum Grains enumeration 01-137 Wheat enumeration 01-139 Grain, NEC enumeration 01-141 Cottonseeds enumeration 01-142 Flaxseeds enumeration 01-144 Soybeans enumeration 01-149 Oil Kernals, nuts or seeds enumeration 01-152 Popcorn enumeration 01-159 Seeds enumeration 01-191 Fodder Hay or Roughage enumeration 01-341 Beans, Dry Ripe enumeration 01-342 Peas, Dry enumeration 01-343 Cowpeas, Lentils or Lupines enumeration 01-992 Alfalfa Meal enumeration 20-411 Wheat Flour enumeration 20-412 Wheat bran, middlings enumeration 20-413 Corn meal or flour enumeration 20-414 Rye flour enumeration 20-415 Oat flour enumeration 20-418 Grain mill by-products enumeration 20-419 Flour or other grain mill products, NEC enumeration 20-421 Prepared Feeds enumeration 20-461 Corn syrup enumeration 20-462 Corn starch enumeration 20-463 Corn sugar enumeration 20-464 Dextrine, corn, tapioca or other enumeration 20-465 Corn oil enumeration 20-466 Other starch enumeration 20-467 Wet process corn or similar mill by-products enumeration 20-469 Wet process corn milling or by-products enumeration 20-471 Bird Food or Seed,Domestic enumeration 20-619 Beet Pulp Pellets enumeration 20-823 Spent Grains enumeration 20-831 Malt enumeration 20-839 Malt Products enumeration 20-859 Distillers By-Products enumeration 20-914 Cottonseed Meal or By-Products enumeration 20-921 Soybean oil enumeration 20-923 Soybean meal and hulls enumeration 20-933 Nut or Vegetable Oils enumeration 20-939 Oil Seed Meals & By-Products, NEC enumeration 20-942 Fish Meal enumeration 20-144 Animal Protein Products enumeration 01-134 Rough Rice enumeration 20-449 Milled Rice, Rice By-Products, etc. enumeration 20-442 Rice Flour enumeration 20-933 Rice Oil enumeration 20-442 Rice Bran enumeration 37-422 Freight cars moving on own-wheels enumeration

source

```
<xsd:simpleType name="StandardTransportationCommodityCode">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="01-131 Barley"/>
  <xsd:enumeration value="01-132 Corn"/>
  <xsd:enumeration value="01-133 Oats"/>
  <xsd:enumeration value="01-135 Rye"/>
  <xsd:enumeration value="01-136 Sorghum Grains"/>
  <xsd:enumeration value="01-137 Wheat"/>
  <xsd:enumeration value="01-139 Grain, NEC"/>
  <xsd:enumeration value="01-141 Cottonseeds"/>
  <xsd:enumeration value="01-142 Flaxseeds"/>
  <xsd:enumeration value="01-144 Soybeans"/>
  <xsd:enumeration value="01-149 Oil Kernals, nuts or seeds"/>
  <xsd:enumeration value="01-152 Popcorn"/>
  <xsd:enumeration value="01-159 Seeds"/>
  <xsd:enumeration value="01-191 Fodder Hay or Roughage"/>
  <xsd:enumeration value="01-341 Beans, Dry Ripe"/>
  <xsd:enumeration value="01-342 Peas, Dry"/>
  <xsd:enumeration value="01-343 Cowpeas, Lentils or Lupines"/>
  <xsd:enumeration value="01-992 Alfalfa Meal"/>
  <xsd:enumeration value="20-411 Wheat Flour"/>
  <xsd:enumeration value="20-412 Wheat bran, middlings"/>
  <xsd:enumeration value="20-413 Corn meal or flour"/>
  <xsd:enumeration value="20-414 Rye flour"/>
  <xsd:enumeration value="20-415 Oat flour"/>
  <xsd:enumeration value="20-418 Grain mill by-products"/>
  <xsd:enumeration value="20-419 Flour or other grain mill products, NEC"/>
  <xsd:enumeration value="20-421 Prepared Feeds"/>
  <xsd:enumeration value="20-461 Corn syrup"/>
  <xsd:enumeration value="20-462 Corn starch"/>
  <xsd:enumeration value="20-463 Corn sugar"/>
  <xsd:enumeration value="20-464 Dextrine, corn, tapioca or other"/>
  <xsd:enumeration value="20-465 Corn oil"/>
  <xsd:enumeration value="20-466 Other starch"/>
  <xsd:enumeration value="20-467 Wet process corn or similar mill by-products"/>
  <xsd:enumeration value="20-469 Wet process corn milling or by-products"/>
  <xsd:enumeration value="20-471 Bird Food or Seed,Domestic"/>
  <xsd:enumeration value="20-619 Beet Pulp Pellets"/>
  <xsd:enumeration value="20-823 Spent Grains"/>
  <xsd:enumeration value="20-831 Malt"/>
  <xsd:enumeration value="20-839 Malt Products"/>
  <xsd:enumeration value="20-859 Distillers By-Products"/>
  <xsd:enumeration value="20-914 Cottonseed Meal or By-Products"/>
  <xsd:enumeration value="20-921 Soybean oil"/>
  <xsd:enumeration value="20-923 Soybean meal and hulls"/>
  <xsd:enumeration value="20-933 Nut or Vegetable Oils"/>
  <xsd:enumeration value="20-939 Oil Seed Meals &amp;amp; By-Products, NEC"/>
  <xsd:enumeration value="20-942 Fish Meal"/>
  <xsd:enumeration value="20-144 Animal Protein Products"/>
  <xsd:enumeration value="01-134 Rough Rice"/>
  <xsd:enumeration value="20-449 Milled Rice, Rice By-Products, etc."/>
  <xsd:enumeration value="20-442 Rice Flour"/>
  <xsd:enumeration value="20-933 Rice Oil"/>
  <xsd:enumeration value="20-442 Rice Bran"/>
  <xsd:enumeration value="37-422 Freight cars moving on own-wheels"/>
  <xsd:enumeration value=""/>
 </xsd:restriction>
</xsd:simpleType>
```

simpleType **TimeUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Day enumeration Hour

	enumeration Minute enumeration Month enumeration Second enumeration Week enumeration Year
source	<xsd:simpleType name="TimeUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Day"/> <xsd:enumeration value="Hour"/> <xsd:enumeration value="Minute"/> <xsd:enumeration value="Month"/> <xsd:enumeration value="Second"/> <xsd:enumeration value="Week"/> <xsd:enumeration value="Year"/> </xsd:restriction> </xsd:simpleType>

simpleType **TolerancePricingTerm**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Contract Basis enumeration Contract Flat Price enumeration Market Day After Unload enumeration Market Day of Load
source	<xsd:simpleType name="TolerancePricingTerm"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Contract Basis"/> <xsd:enumeration value="Contract Flat Price"/> <xsd:enumeration value="Market Day After Unload"/> <xsd:enumeration value="Market Day of Load"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationMode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **TransportationMode**
facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck enumeration Vessel
source	<xsd:simpleType name="TransportationMode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="In-store"/> <xsd:enumeration value="Rail"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Vessel"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationProvider**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
facets	enumeration Agent enumeration Buyer enumeration Seller
source	<xsd:simpleType name="TransportationProvider"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent"/> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Barges enumeration Cars enumeration Holds enumeration Trucks enumeration
source	<xsd:simpleType name="TransportationUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barges"/> <xsd:enumeration value="Cars"/> <xsd:enumeration value="Holds"/> <xsd:enumeration value="Trucks"/> <xsd:enumeration value=""/> </xsd:restriction> </xsd:simpleType>

simpleType **TruckDriverStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **TruckDriverStatus**
facets	enumeration Off enumeration On enumeration Unknown
source	<xsd:simpleType name="TruckDriverStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Off"/> <xsd:enumeration value="On"/> <xsd:enumeration value="Unknown"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityMovementStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Complete Notification enumeration Disposition Notification enumeration Quality Notification enumeration Weight and Quality Notification enumeration Weight Notification

source	<xsd:simpleType name="CommodityMovementStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Complete Notification"/> <xsd:enumeration value="Disposition Notification"/> <xsd:enumeration value="Quality Notification"/> <xsd:enumeration value="Weight and Quality Notification"/> <xsd:enumeration value="Weight Notification"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityMovementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Inbound enumeration In-store enumeration Outbound enumeration Paper Trade
source	<xsd:simpleType name="CommodityMovementType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Inbound"/> <xsd:enumeration value="In-store"/> <xsd:enumeration value="Outbound"/> <xsd:enumeration value="Paper Trade"/> </xsd:restriction> </xsd:simpleType>

simpleType **VehicleIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **VehicleIdentifierType**
facets	enumeration Barge enumeration Bar Code enumeration Bill of Lading enumeration Contract enumeration Description enumeration Driver Name enumeration Load Order enumeration Rail Car enumeration Scale Ticket enumeration Trailer License enumeration Truck License enumeration Vessel Hold enumeration Vessel Name
source	<xsd:simpleType name="VehicleIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bar Code"/> <xsd:enumeration value="Bill of Lading"/> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Description"/> <xsd:enumeration value="Driver Name"/> <xsd:enumeration value="Load Order"/> <xsd:enumeration value="Rail Car"/> <xsd:enumeration value="Scale Ticket"/> <xsd:enumeration value="Trailer License"/> <xsd:enumeration value="Truck License"/> <xsd:enumeration value="Vessel Hold"/> <xsd:enumeration value="Vessel Name"/>

	</xsd:restriction> </xsd:simpleType>

simpleType **WeightClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **WeightClassCode**
facets	enumeration Affidavit enumeration House enumeration X enumeration Y enumeration 1 enumeration 2 enumeration 3
source	<xsd:simpleType name="WeightClassCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Affidavit"/> <xsd:enumeration value="House"/> <xsd:enumeration value="X"/> <xsd:enumeration value="Y"/> <xsd:enumeration value="1"/> <xsd:enumeration value="2"/> <xsd:enumeration value="3"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightsToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Certified enumeration Destination Certified enumeration Destination Official enumeration Destination or Railroad enumeration First Certified enumeration First Official enumeration First Official or Certified enumeration First Official or Destination enumeration First Official or Railroad enumeration Origin Certified enumeration Origin House enumeration Origin Official
source	<xsd:simpleType name="WeightsToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Certified"/> <xsd:enumeration value="Destination Certified"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination or Railroad"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="First Official or Certified"/> <xsd:enumeration value="First Official or Destination"/> <xsd:enumeration value="First Official or Railroad"/> <xsd:enumeration value="Origin Certified"/> <xsd:enumeration value="Origin House"/> <xsd:enumeration value="Origin Official"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Weight/@weightUnitOfMeasure**
facets	enumeration Hundred Weight enumeration Kilograms enumeration Long tons enumeration Metric tons enumeration Pounds enumeration Short tons
source	<xsd:simpleType name="WeightUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Hundred Weight"/> <xsd:enumeration value="Kilograms"/> <xsd:enumeration value="Long tons"/> <xsd:enumeration value="Metric tons"/> <xsd:enumeration value="Pounds"/> <xsd:enumeration value="Short tons"/> </xsd:restriction> </xsd:simpleType>

13.2 Sample XML Instance Document

```
<?xml version="1.0" encoding="UTF-8" ?>
- <WeightCertificate xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:noNamespaceSchemaLocation="file:///C:/AgXML/schemas/WeightCertificate.xsd">
  - <WeightCertificateHeader>
      <TransportationMode>Rail</TransportationMode>
    - <IssueDateTime>
        <Date>2001-06-06</Date>
      </IssueDateTime>
      <WeightCertificateIdentifier>10060</WeightCertificateIdentifier>
    - <WeightServiceProvider>
      - <EntityInformation>
          <EntityName>ADM/Growmark</EntityName>
        - <Address>
            <AddressLine>PO Box 123</AddressLine>
            <City>Memphis</City>
            <CountryRegionCode>TN</CountryRegionCode>
          </Address>
        </EntityInformation>
      - <IssuedFrom>
          <LocationInformation />
        </IssuedFrom>
      - <WeighMaster>
          <EntityName>J.B. Moore</EntityName>
        </WeighMaster>
      </WeightServiceProvider>
    - <CommodityLocation>
      - <LocationInformation>
          <LocationName>ADM/Growmark</LocationName>
        - <Address>
            <AddressLine>PO Box 123</AddressLine>
            <City>Memphis</City>
            <CountryRegionCode>TN</CountryRegionCode>
          </Address>
        </LocationInformation>
      </CommodityLocation>
      <ServiceEvent>Inbound</ServiceEvent>
      <EstimatedWeightIndicator>false</EstimatedWeightIndicator>
      <BatchIndicator>true</BatchIndicator>
      <ServiceOfficialCategory>Official</ServiceOfficialCategory>
    </WeightCertificateHeader>
  - <WeightCertificateDetail>
    - <WeightCertificateLine>
      - <VehicleIdentification>
          <VehicleIdentifierType>Scale Ticket</VehicleIdentifierType>
          <VehicleIdentifier>CGAX 9125</VehicleIdentifier>
        </VehicleIdentification>
      - <CommodityInformation>
          <CommodityGroup>Corn</CommodityGroup>
        </CommodityInformation>
      - <NetWeight>
          <Weight weightUnitOfMeasure="Pounds">5037610</Weight>
        </NetWeight>
      </WeightCertificateLine>
    </WeightCertificateDetail>
</WeightCertificate>
```

14 Commodity Bill of Lading

14.1 Schema Documentation

schema location: C:\AgXML\Schemas\BillOfLading.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
BillOfLading
BillOfLadingDateTime
BillOfLadingDetail
BillOfLadingHeader
BillOfLadingIdentification
BillOfLadingIdentifier
BillOfLadingIdentifierType
BillOfLadingLine
BillOfLadingType
CommodityMovementIdentifier
ConsignedTo
Consignee
Date
Destination
DocumentIdentification
DocumentIdentifier
DocumentType
EquipmentType
Exporter
ExportRoles
FormIdentifier
FormIdentifierSource
FormInformation
FormVersion
FreightCarrier
FreightPayer
FreightPaymentTerm
FreightPaymentTerms
FreightPaymentTermType
FreightRate
FreightRateAuthorityIdentifier
FreightRateAuthorityType
FreightRateInformation
FreightRateItemIdentifier
FromBorderBroker
Junction
JunctionCode
NotifyParty
Origin
PermitIdentifier
PermitIdentifierType
PermitInformation
PreparedBy
Price
Quantity
QuantityDeterminationMethod
RailOrBargeAlphaPrefix
RailRouting
RailShipmentIdentifier
RouteCarrierName
RouteCarrierSequence
RouteType
Rule11Applies
Section7Applies
SequenceNumber

ServiceProvider
ShipmentSize
Shipper
SpecialHandlingInstruction
SpecialHandlingService
Time
ToBorderBroker
TransportationAgent
TransportationMode
VehicleIdentification
VehicleIdentifier
VehicleIdentifierType
VehicleNetQuantity
WeightCertificateIdentifier

schema location: C:\AgXML\Schemas\cContactInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommunicationCode
CommunicationInformation
CommunicationMethod
ContactInformation
ContactName
JobTitle

schema location: C:\AgXML\Schemas\cCommodityInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
CommodityClass
CommodityGroup
CommodityInformation
CommodityName
CommodityNameCode
CommoditySpecialGrade
CommodityStandardGrade
CommodityStandardGradeOptionalDesignation
CommodityStandardsAuthorityCode
CommoditySubClass
ConditionExistsFlag
QualityFactorCode
QualityFactorMeasurement
QualityFactorName
QualityFactorValue
QualityInformation
Remark
StandardTransportationCommodityCode

schema location: C:\AgXML\Schemas\cEntityInformation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Elements
EntityIdentifier

EntityInformation
EntityName
EntityType

schema location: C:\AgXML\Schemas\glossary.xsd
targetNamespace: **http://www.agxml.org/schemas**

schema location: C:\AgXML\Schemas\dtCommunicationMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommunicationMethod

schema location: C:\AgXML\Schemas\dtCommodityClass.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityClass

schema location: C:\AgXML\Schemas\dtCommodityGroup.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityGroup

schema location: C:\AgXML\Schemas\dtCommodityName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityName

schema location: C:\AgXML\Schemas\dtCommodityNameCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityNameCode

schema location: C:\AgXML\Schemas\dtCommoditySpecialGrade.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySpecialGrade

schema location: C:\AgXML\Schemas\dtCommodityStandardGrade.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGrade

schema location: C:\AgXML\Schemas\dtCommodityStandardGradeOptionalDesignation.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardGradeOptionalDesignation

schema location: C:\AgXML\Schemas\dtCommodityStandardsAuthorityCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityStandardsAuthorityCode

schema location: C:\AgXML\Schemas\dtCommoditySubClass.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommoditySubClass

schema location: C:\AgXML\Schemas\dtQualityFactorCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorCode

schema location: C:\AgXML\Schemas\dtQualityFactorName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorName

schema location: **C:\AgXML\Schemas\dtQualityFactorUnitOfMeasure.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityFactorUnitOfMeasure

schema location: **C:\AgXML\Schemas\dtRemarkType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RemarkType

schema location: **C:\AgXML\Schemas\cAddress.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Elements
Address
AddressLine
City
CountryCode
CountryRegionCode
County
CountyFIPSCode
PostalCode

schema location: **C:\AgXML\Schemas\cLocationInformation.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Elements
LocationIdentifier
LocationInformation
LocationName
LocationType

schema location: **C:\AgXML\Schemas\dtEntityType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types

EntityType

schema location: **C:\AgXML\Schemas\dtApplicationType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ApplicationType

schema location: **C:\AgXML\Schemas\dtBasisLocationMarket.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BasisLocationMarket

schema location: **C:\AgXML\Schemas\dtBillOfLadingIdentifierType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingIdentifierType

schema location: **C:\AgXML\Schemas\dtBillOfLadingType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BillOfLadingType

schema location: **C:\AgXML\Schemas\dtBuyerSellerCall.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
BuyerSellerCall

schema location: **C:\AgXML\Schemas\dtCommodityUnitOfMeasure.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityUnitOfMeasure

schema location: C:\AgXML\Schemas\dtContractOriginator.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ContractOriginator

schema location: C:\AgXML\Schemas\dtCountryCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryCode

schema location: C:\AgXML\Schemas\dtCountryRegionCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CountryRegionCode

schema location: C:\AgXML\Schemas\dtCurrencyCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CurrencyCode

schema location: C:\AgXML\Schemas\dtDeliveryBasis.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DeliveryBasis

schema location: C:\AgXML\Schemas\dtDistanceUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
DistanceUnitOfMeasure

schema location: C:\AgXML\Schemas\dtEquipmentType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
EquipmentType

schema location: C:\AgXML\Schemas\dtFreightPaymentTermType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightPaymentTermType

schema location: C:\AgXML\Schemas\dtFreightRateAuthorityType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FreightRateAuthorityType

schema location: C:\AgXML\Schemas\dtFuturesCommodityCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityCode

schema location: C:\AgXML\Schemas\dtFuturesCommodityName.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesCommodityName

schema location: C:\AgXML\Schemas\dtFuturesExchangeCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
FuturesExchangeCode

schema location: C:\AgXML\Schemas\dtGoverningTradeRules.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GoverningTradeRules

schema location: **C:\AgXML\Schemas\dtGradesToGovern.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
GradesToGovern

schema location: **C:\AgXML\Schemas\dtIdentifierSource.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
IdentifierSource

schema location: **C:\AgXML\Schemas\dtInspectionClassCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionClassCode

schema location: **C:\AgXML\Schemas\dtInspectionLevelType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionLevelType

schema location: **C:\AgXML\Schemas\dtInspectionProviderType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
InspectionProviderType

schema location: **C:\AgXML\Schemas\dtLocationType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
LocationType

schema location: C:\AgXML\Schemas\dtMonthsOfYear.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
MonthsOfYear

schema location: C:\AgXML\Schemas\dtPaymentTermType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PaymentTermType

schema location: C:\AgXML\Schemas\dtPermitIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PermitIdentifierType

schema location: C:\AgXML\Schemas\dtPremiumAndDiscountLimitCondition.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountLimitCondition

schema location: C:\AgXML\Schemas\dtPremiumAndDiscountMeasurementType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountMeasurementType

schema location: C:\AgXML\Schemas\dtPremiumAndDiscountQuantityType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PremiumAndDiscountQuantityType

schema location: C:\AgXML\Schemas\dtPricingCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingCode

schema location: C:\AgXML\Schemas\dtPricingMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PricingMethod

schema location: C:\AgXML\Schemas\dtPriceType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
PriceType

schema location: C:\AgXML\Schemas\dtQualityCertificateStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityCertificateStatus

schema location: C:\AgXML\Schemas\dtQualityGrouping.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QualityGrouping

schema location: C:\AgXML\Schemas\dtQuantityDeterminationMethod.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
QuantityDeterminationMethod

schema location: C:\AgXML\Schemas\dtRouteCarrierSequence.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteCarrierSequence

schema location: **C:\AgXML\Schemas\dtRouteType.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
RouteType

schema location: **C:\AgXML\Schemas\dtSampleMethod.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleMethod

schema location: **C:\AgXML\Schemas\dtSampleOfficialCategory.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SampleOfficialCategory

schema location: **C:\AgXML\Schemas\dtScheduleEvent.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ScheduleEvent

schema location: **C:\AgXML\Schemas\dtServiceEvent.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceEvent

schema location: **C:\AgXML\Schemas\dtServiceOfficialCategory.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
ServiceOfficialCategory

schema location: **C:\AgXML\Schemas\dtSpecialHandlingService.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialHandlingService

schema location: **C:\AgXML\Schemas\dtSpecialTermName.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
SpecialTermName

schema location: **C:\AgXML\Schemas\dtStandardTransportationCommodityCode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
StandardTransportationCommodityCode

schema location: **C:\AgXML\Schemas\dtTimeUnitOfMeasure.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TimeUnitOfMeasure

schema location: **C:\AgXML\Schemas\dtTolerancePricingTerm.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TolerancePricingTerm

schema location: **C:\AgXML\Schemas\dtTransportationMode.xsd**
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationMode

schema location: C:\AgXML\Schemas\dtTransportationProvider.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationProvider

schema location: C:\AgXML\Schemas\dtTransportationUnitOfMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TransportationUnitOfMeasure

schema location: C:\AgXML\Schemas\dtTruckDriverStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
TruckDriverStatus

schema location: C:\AgXML\Schemas\dtCommodityMovementStatus.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementStatus

schema location: C:\AgXML\Schemas\dtCommodityMovementType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
CommodityMovementType

schema location: C:\AgXML\Schemas\dtVehicleIdentifierType.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
VehicleIdentifierType

schema location: C:\AgXML\Schemas\dtWeightClassCode.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightClassCode

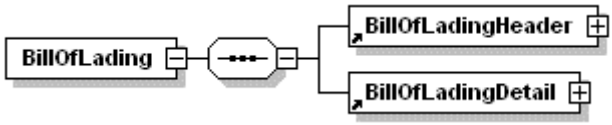
schema location: C:\AgXML\Schemas\dtWeightsToGovern.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightsToGovern

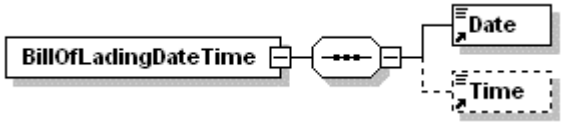
schema location: C:\AgXML\Schemas\dtWeightUnitofMeasure.xsd
targetNamespace: **http://www.agxml.org/schemas**

Simple types
WeightUnitOfMeasure

element **BillOfLading**

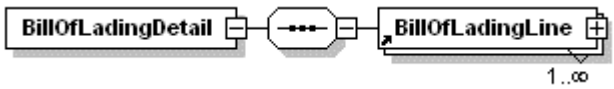
diagram	
namespace	http://www.agxml.org/schemas
children	**BillOfLadingHeader** **BillOfLadingDetail**
source	<xsd:element name="BillOfLading"> <xsd:complexType> <xsd:sequence> <xsd:element ref="BillOfLadingHeader"/> <xsd:element ref="BillOfLadingDetail"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **BillOfLadingDateTime**

diagram	
namespace	http://www.agxml.org/schemas
children	**Date** **Time**
used by	element **BillOfLadingHeader**

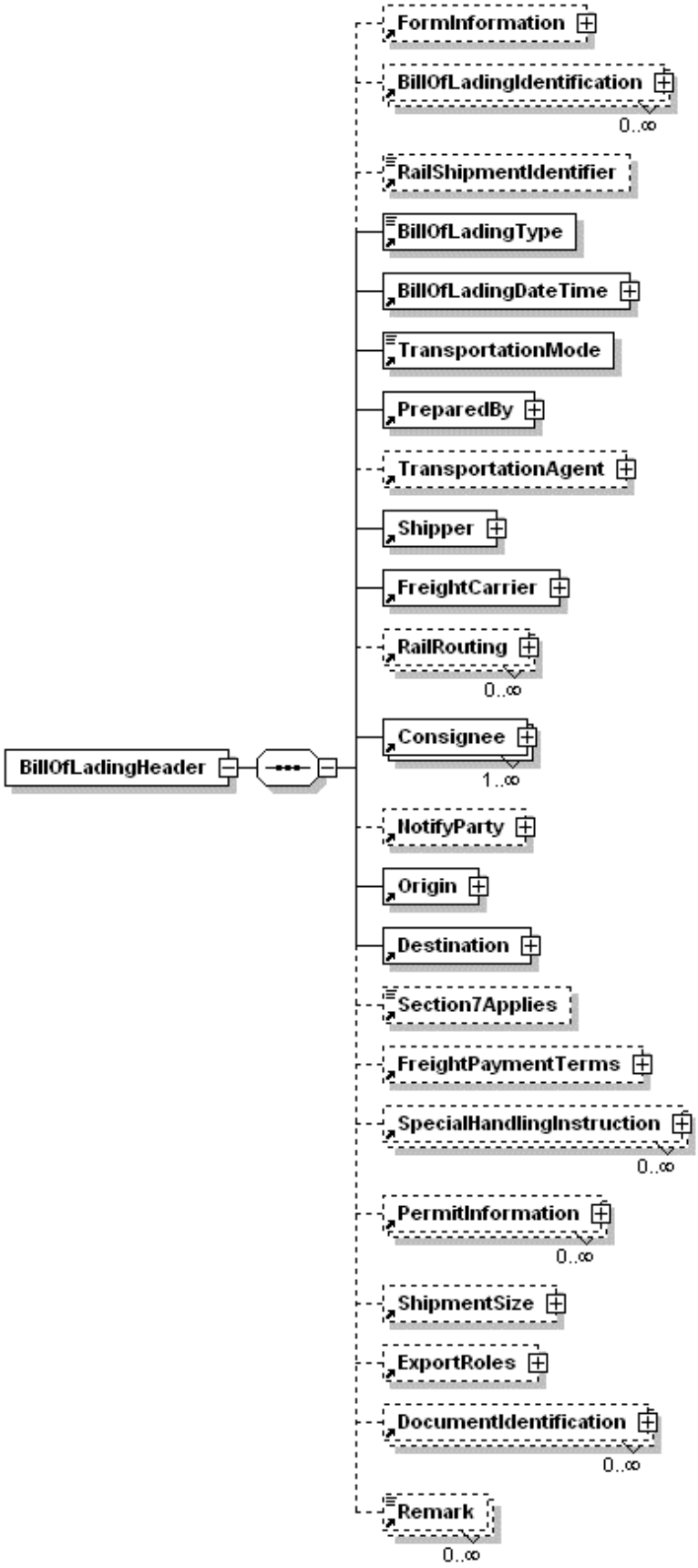
source	<xsd:element name="BillOfLadingDateTime"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Date"/> <xsd:element ref="Time" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **BillOfLadingDetail**

diagram	
namespace	http://www.agxml.org/schemas
children	BillOfLadingLine
used by	element BillOfLading
source	<xsd:element name="BillOfLadingDetail"> <xsd:complexType> <xsd:sequence> <xsd:element ref="BillOfLadingLine" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **BillOfLadingHeader**

diagram



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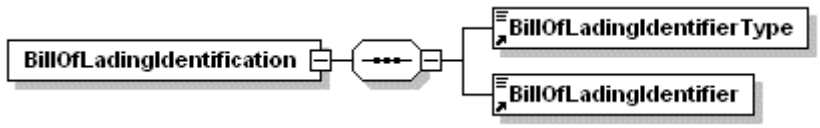
namespace	http://www.agxml.org/schemas
children	FormInformation BillOfLadingIdentification RailShipmentIdentifier BillOfLadingType BillOfLadingDateTime TransportationMode PreparedBy TransportationAgent Shipper FreightCarrier RailRouting Consignee NotifyParty Origin Destination Section7Applies FreightPaymentTerms SpecialHandlingInstruction PermitInformation ShipmentSize ExportRoles DocumentIdentification Remark
used by	element BillOfLading

source

```
<xsd:element name="BillOfLadingHeader">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="FormInformation" minOccurs="0"/>
   <xsd:element ref="BillOfLadingIdentification" minOccurs="0" maxOccurs="unbounded"/>
   <xsd:element ref="RailShipmentIdentifier" minOccurs="0"/>
   <xsd:element ref="BillOfLadingType"/>
   <xsd:element ref="BillOfLadingDateTime"/>
   <xsd:element ref="TransportationMode"/>
   <xsd:element ref="PreparedBy"/>
   <xsd:element ref="TransportationAgent" minOccurs="0"/>
   <xsd:element ref="Shipper"/>
   <xsd:element ref="FreightCarrier"/>
   <xsd:element ref="RailRouting" minOccurs="0" maxOccurs="unbounded"/>
   <xsd:element ref="Consignee" maxOccurs="unbounded"/>
   <xsd:element ref="NotifyParty" minOccurs="0"/>
   <xsd:element ref="Origin"/>
   <xsd:element ref="Destination"/>
   <xsd:element ref="Section7Applies" minOccurs="0"/>
   <xsd:element ref="FreightPaymentTerms" minOccurs="0"/>
   <xsd:element ref="SpecialHandlingInstruction" minOccurs="0" maxOccurs="unbounded"/>
   <xsd:element ref="PermitInformation" minOccurs="0" maxOccurs="unbounded"/>
   <xsd:element ref="ShipmentSize" minOccurs="0"/>
   <xsd:element ref="ExportRoles" minOccurs="0"/>
   <xsd:element ref="DocumentIdentification" minOccurs="0" maxOccurs="unbounded"/>
   <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>
```

element **BillOfLadingIdentification**

diagram	
namespace	http://www.agxml.org/schemas
children	BillOfLadingIdentifierType BillOfLadingIdentifier
used by	element BillOfLadingHeader

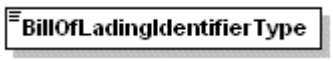
source

```
<xsd:element name="BillOfLadingIdentification">
 <xsd:complexType>
  <xsd:sequence>
   <xsd:element ref="BillOfLadingIdentifierType"/>
   <xsd:element ref="BillOfLadingIdentifier"/>
  </xsd:sequence>
 </xsd:complexType>
</xsd:element>
```

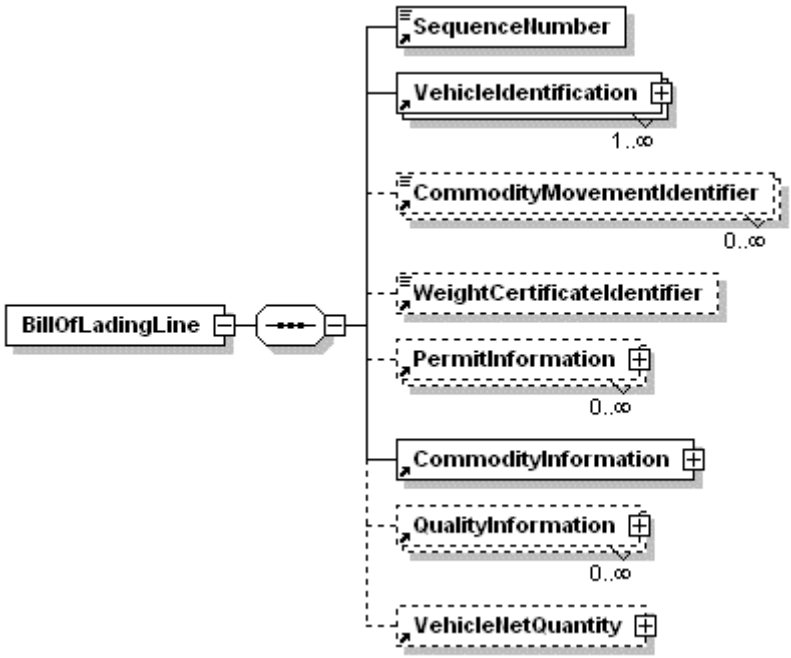
element **BillOfLadingIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **BillOfLadingIdentification**
source	<xsd:element name="BillOfLadingIdentifier" type="xsd:string"/>

element **BillOfLadingIdentifierType**

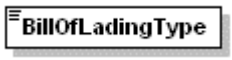
diagram	
namespace	http://www.agxml.org/schemas
type	**BillOfLadingIdentifierType**
used by	element **BillOfLadingIdentification**
facets	enumeration Agent enumeration Delivery enumeration Shipper enumeration Waybill or Lading
source	<xsd:element name="BillOfLadingIdentifierType" type="BillOfLadingIdentifierType"/>

element **BillOfLadingLine**

diagram	
namespace	http://www.agxml.org/schemas
children	**SequenceNumber** **VehicleIdentification** **CommodityMovementIdentifier** **WeightCertificateIdentifier** **PermitInformation**

	CommodityInformation QualityInformation VehicleNetQuantity
used by	element BillOfLadingDetail
source	<xsd:element name="BillOfLadingLine"> <xsd:complexType> <xsd:sequence> <xsd:element ref="SequenceNumber"/> <xsd:element ref="VehicleIdentification" maxOccurs="unbounded"/> <xsd:element ref="CommodityMovementIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="WeightCertificateIdentifier" minOccurs="0"/> <xsd:element ref="PermitInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="CommodityInformation"/> <xsd:element ref="QualityInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="VehicleNetQuantity" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

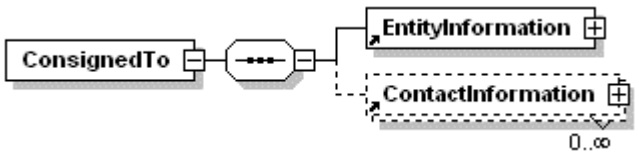
element **BillOfLadingType**

diagram	
namespace	http://www.agxml.org/schemas
type	BillOfLadingType
used by	element BillOfLadingHeader
facets	enumeration Order enumeration Straight
source	<xsd:element name="BillOfLadingType" type="BillOfLadingType"/>

element **CommodityMovementIdentifier**

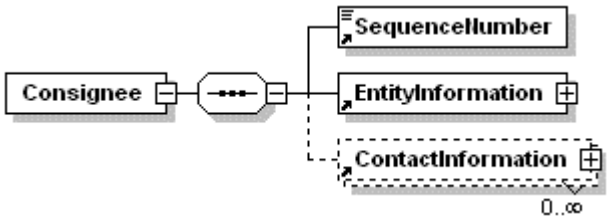
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element BillOfLadingLine
source	<xsd:element name="CommodityMovementIdentifier" type="xsd:string"/>

element **ConsignedTo**

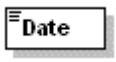
diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation
used by	element ExportRoles
source	<xsd:element name="ConsignedTo">

```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="EntityInformation"/>
    <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

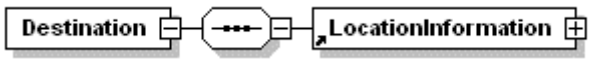
element **Consignee**

diagram	
namespace	http://www.agxml.org/schemas
children	SequenceNumber EntityInformation ContactInformation
used by	element BillOfLadingHeader
source	<xsd:element name="Consignee"> <xsd:complexType> <xsd:sequence> <xsd:element ref="SequenceNumber"/> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **Date**

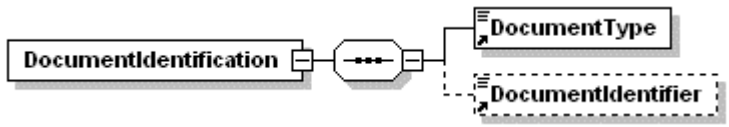
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:date**
used by	element BillOfLadingDateTime
source	<xsd:element name="Date" type="xsd:date"/>

element **Destination**

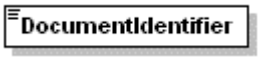
diagram	
namespace	http://www.agxml.org/schemas
children	LocationInformation
used by	element BillOfLadingHeader
source	<xsd:element name="Destination"> <xsd:complexType> <xsd:sequence>

```
    <xsd:element ref="LocationInformation"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

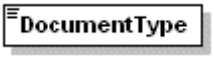
element **DocumentIdentification**

diagram	
namespace	http://www.agxml.org/schemas
children	DocumentType DocumentIdentifier
used by	element BillOfLadingHeader
source	<xsd:element name="DocumentIdentification"> <xsd:complexType> <xsd:sequence> <xsd:element ref="DocumentType"/> <xsd:element ref="DocumentIdentifier" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **DocumentIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element DocumentIdentification
source	<xsd:element name="DocumentIdentifier" type="xsd:string"/>

element **DocumentType**

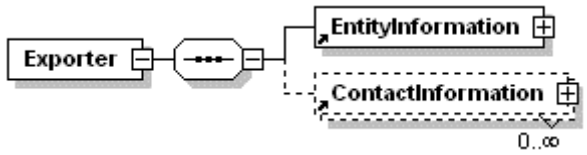
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element DocumentIdentification
source	<xsd:element name="DocumentType" type="xsd:string"/>

element **EquipmentType**

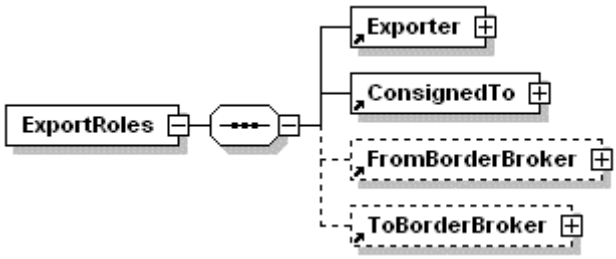
diagram	
namespace	http://www.agxml.org/schemas

type	**EquipmentType**
used by	element **ShipmentSize**
facets	enumeration Auger enumeration Barge enumeration Box enumeration Container enumeration Covered Hopper enumeration Double Trailer enumeration Flat-Bed enumeration Hi-Cube enumeration Hydrolic enumeration Lash Barge enumeration Laker enumeration Open Hopper enumeration Other enumeration Panamax enumeration Rake enumeration Rail enumeration Sacked enumeration Self-Trimming enumeration Self-Unloader enumeration Ship enumeration Small-Cube enumeration Tanker enumeration Truck enumeration Tween-Decker enumeration Unit Train
source	<xsd:element name="EquipmentType" type="EquipmentType"/>

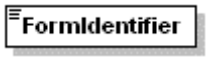
element **Exporter**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation** **ContactInformation**
used by	element **ExportRoles**
source	<xsd:element name="Exporter"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **ExportRoles**

diagram	
namespace	http://www.agxml.org/schemas
children	**Exporter** **ConsignedTo** **FromBorderBroker** **ToBorderBroker**
used by	element **BillOfLadingHeader**
source	<xsd:element name="ExportRoles"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Exporter"/> <xsd:element ref="ConsignedTo"/> <xsd:element ref="FromBorderBroker" minOccurs="0"/> <xsd:element ref="ToBorderBroker" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

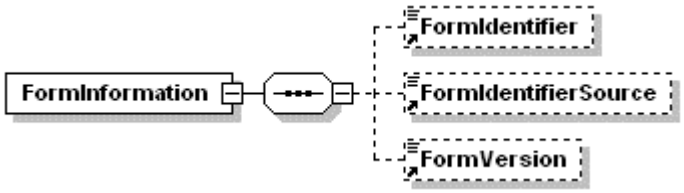
element **FormIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FormInformation**
source	<xsd:element name="FormIdentifier" type="xsd:string"/>

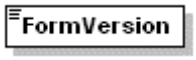
element **FormIdentifierSource**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FormInformation**
source	<xsd:element name="FormIdentifierSource" type="xsd:string"/>

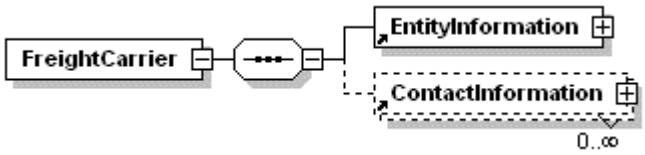
element **FormInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**FormIdentifier** **FormIdentifierSource** **FormVersion**
used by	element **BillOfLadingHeader**
source	<xsd:element name="FormInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FormIdentifier" minOccurs="0"/> <xsd:element ref="FormIdentifierSource" minOccurs="0"/> <xsd:element ref="FormVersion" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

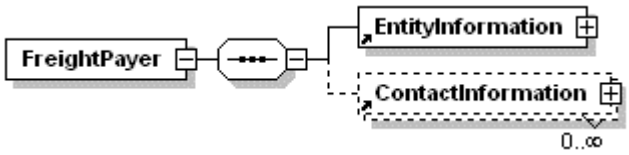
element **FormVersion**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FormInformation**
source	<xsd:element name="FormVersion" type="xsd:string"/>

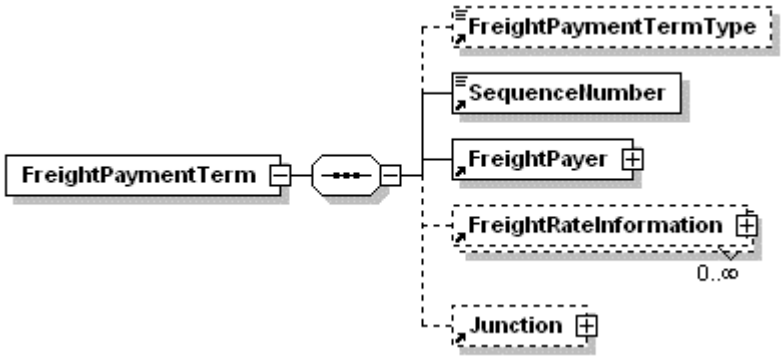
element **FreightCarrier**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation** **ContactInformation**
used by	element **BillOfLadingHeader**
source	<xsd:element name="FreightCarrier"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

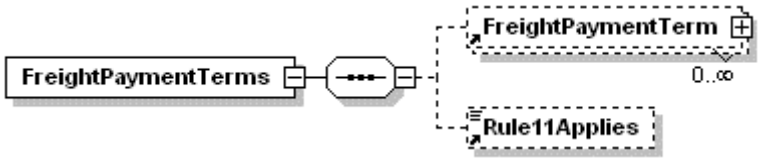
element **FreightPayer**

diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation
used by	element FreightPaymentTerm
source	<xsd:element name="FreightPayer"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **FreightPaymentTerm**

diagram	
namespace	http://www.agxml.org/schemas
children	FreightPaymentTermType SequenceNumber FreightPayer FreightRateInformation Junction
used by	element FreightPaymentTerms
source	<xsd:element name="FreightPaymentTerm"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FreightPaymentTermType" minOccurs="0"/> <xsd:element ref="SequenceNumber"/> <xsd:element ref="FreightPayer"/> <xsd:element ref="FreightRateInformation" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="Junction" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

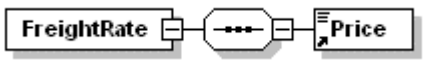
element **FreightPaymentTerms**

diagram	
namespace	http://www.agxml.org/schemas
children	FreightPaymentTerm Rule11Applies
used by	element BillOfLadingHeader
source	<xsd:element name="FreightPaymentTerms"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FreightPaymentTerm" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="Rule11Applies" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **FreightPaymentTermType**

diagram	
namespace	http://www.agxml.org/schemas
type	FreightPaymentTermType
used by	element FreightPaymentTerm
facets	enumeration Collect enumeration Prepaid
source	<xsd:element name="FreightPaymentTermType" type="FreightPaymentTermType"/>

element **FreightRate**

diagram	
namespace	http://www.agxml.org/schemas
children	Price
used by	element FreightRateInformation
source	<xsd:element name="FreightRate"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Price"/> </xsd:sequence> </xsd:complexType> </xsd:element>

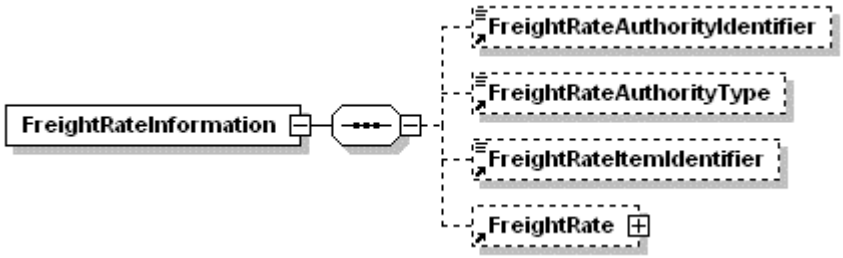
element **FreightRateAuthorityIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FreightRateInformation**
source	<xsd:element name="FreightRateAuthorityIdentifier" type="xsd:string"/>

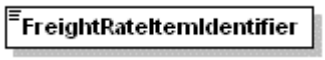
element **FreightRateAuthorityType**

diagram	
namespace	http://www.agxml.org/schemas
type	**FreightRateAuthorityType**
used by	element **FreightRateInformation**
facets	enumeration Contract enumeration Quote enumeration Rate enumeration Tariff
source	<xsd:element name="FreightRateAuthorityType" type="FreightRateAuthorityType"/>

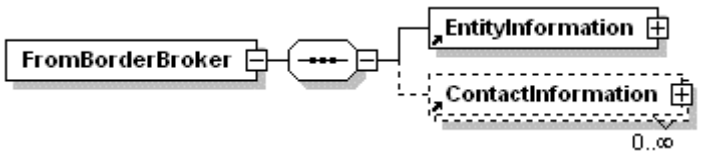
element **FreightRateInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**FreightRateAuthorityIdentifier** **FreightRateAuthorityType** **FreightRateItemIdentifier** **FreightRate**
used by	element **FreightPaymentTerm**
source	<xsd:element name="FreightRateInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="FreightRateAuthorityIdentifier" minOccurs="0"/> <xsd:element ref="FreightRateAuthorityType" minOccurs="0"/> <xsd:element ref="FreightRateItemIdentifier" minOccurs="0"/> <xsd:element ref="FreightRate" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

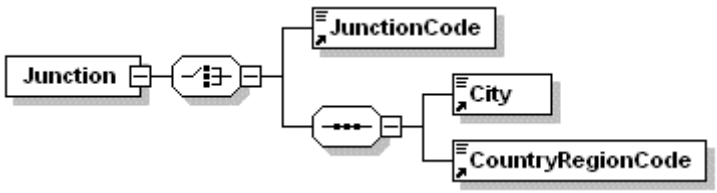
element **FreightRateItemIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **FreightRateInformation**
source	<xsd:element name="FreightRateItemIdentifier" type="xsd:string"/>

element **FromBorderBroker**

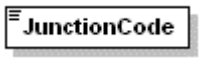
diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation** **ContactInformation**
used by	element **ExportRoles**
source	<xsd:element name="FromBorderBroker"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **Junction**

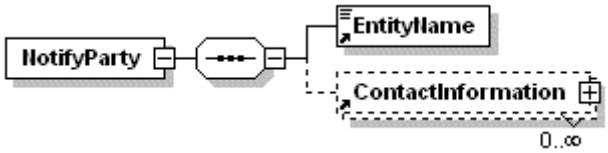
diagram	
namespace	http://www.agxml.org/schemas
children	**JunctionCode** **City** **CountryRegionCode**
used by	element **FreightPaymentTerm**
source	<xsd:element name="Junction"> <xsd:complexType> <xsd:choice> <xsd:element ref="JunctionCode"/> <xsd:sequence> <xsd:element ref="City"/> <xsd:element ref="CountryRegionCode"/> </xsd:sequence> </xsd:choice>

```
  </xsd:complexType>
</xsd:element>
```

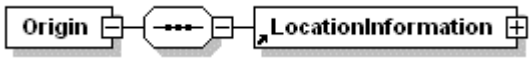
element **JunctionCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **RailRouting/Junction** **Junction**
source	<xsd:element name="JunctionCode" type="xsd:string"/>

element **NotifyParty**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityName** **ContactInformation**
used by	element **BillOfLadingHeader**
source	<xsd:element name="NotifyParty"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityName"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

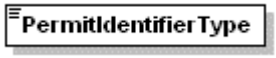
element **Origin**

diagram	
namespace	http://www.agxml.org/schemas
children	**LocationInformation**
used by	element **BillOfLadingHeader**
source	<xsd:element name="Origin"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

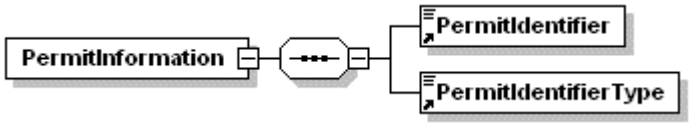
element **PermitIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **PermitInformation**
source	<xsd:element name="PermitIdentifier" type="xsd:string"/>

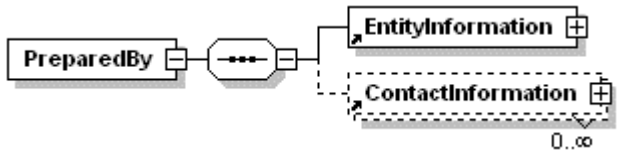
element **PermitIdentifierType**

diagram	
namespace	http://www.agxml.org/schemas
type	**PermitIdentifierType**
used by	element **PermitInformation**
facets	enumeration CLOCK enumeration COT enumeration GEEP enumeration Grain Authorization enumeration Lease enumeration PERX enumeration Pool enumeration Permit enumeration SCO enumeration Voucher
source	<xsd:element name="PermitIdentifierType" type="PermitIdentifierType"/>

element **PermitInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**PermitIdentifier** **PermitIdentifierType**
used by	elements **BillOfLadingHeader** **BillOfLadingLine**
source	<xsd:element name="PermitInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="PermitIdentifier"/> <xsd:element ref="PermitIdentifierType"/> </xsd:sequence> </xsd:complexType> </xsd:element>

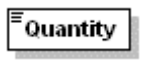
element **PreparedBy**

diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation
used by	element BillOfLadingHeader
source	<xsd:element name="PreparedBy"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **Price**

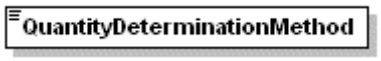
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element FreightRate
attributes	Name: currencyCode; Type: CurrencyCode; Use: required; Default: ; Fixed: Name: commodityUnitOfMeasure; Type: CommodityUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="Price"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="currencyCode" type="CurrencyCode" use="required"/> <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **Quantity**

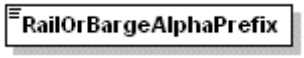
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	elements ShipmentSize VehicleNetQuantity
attributes	Name: commodityUnitOfMeasure; Type: CommodityUnitOfMeasure; Use: required; Default: ; Fixed:

	sure asure
source	<xsd:element name="Quantity"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:decimal"> <xsd:attribute name="commodityUnitOfMeasure" type="CommodityUnitOfMeasure" use="required"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

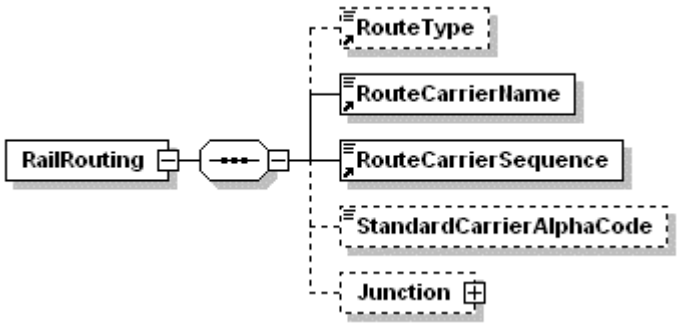
element **QuantityDeterminationMethod**

diagram	
namespace	http://www.agxml.org/schemas
type	QuantityDeterminationMethod
used by	elements ShipmentSize VehicleNetQuantity
facets	enumeration Actual enumeration Draft enumeration Estimated
source	<xsd:element name="QuantityDeterminationMethod" type="QuantityDeterminationMethod"/>

element **RailOrBargeAlphaPrefix**

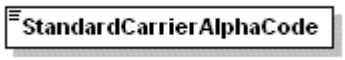
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element VehicleIdentification
source	<xsd:element name="RailOrBargeAlphaPrefix" type="xsd:string"/>

element **RailRouting**

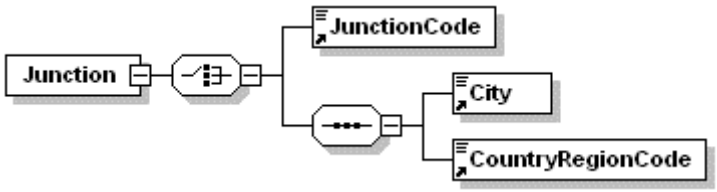
diagram	
namespace	http://www.agxml.org/schemas
children	RouteType RouteCarrierName RouteCarrierSequence StandardCarrierAlphaCode Junction
used by	element BillOfLadingHeader
source	<xsd:element name="RailRouting">

```
<xsd:complexType>
 <xsd:sequence>
  <xsd:element ref="RouteType" minOccurs="0"/>
  <xsd:element ref="RouteCarrierName"/>
  <xsd:element ref="RouteCarrierSequence"/>
  <xsd:element name="StandardCarrierAlphaCode" type="xsd:string" minOccurs="0"/>
  <xsd:element name="Junction" minOccurs="0">
   <xsd:complexType>
    <xsd:choice>
     <xsd:element ref="JunctionCode"/>
     <xsd:sequence>
      <xsd:element ref="City"/>
      <xsd:element ref="CountryRegionCode"/>
     </xsd:sequence>
    </xsd:choice>
   </xsd:complexType>
  </xsd:element>
 </xsd:sequence>
</xsd:complexType>
</xsd:element>
```

element **RailRouting/StandardCarrierAlphaCode**

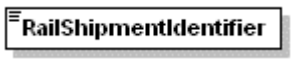
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
source	`<xsd:element name="StandardCarrierAlphaCode" type="xsd:string" minOccurs="0"/>`

element **RailRouting/Junction**

diagram	
namespace	http://www.agxml.org/schemas
children	**JunctionCode City CountryRegionCode**

source	`<xsd:element name="Junction" minOccurs="0">`
	`<xsd:complexType>`
	`<xsd:choice>`
	`<xsd:element ref="JunctionCode"/>`
	`<xsd:sequence>`
	`<xsd:element ref="City"/>`
	`<xsd:element ref="CountryRegionCode"/>`
	`</xsd:sequence>`
	`</xsd:choice>`
	`</xsd:complexType>`
	`</xsd:element>`

element **RailShipmentIdentifier**

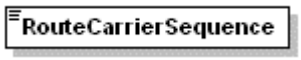
diagram	

namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **BillOfLadingHeader**
source	<xsd:element name="RailShipmentIdentifier" type="xsd:string"/>

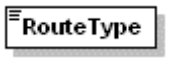
element **RouteCarrierName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **RailRouting**
source	<xsd:element name="RouteCarrierName" type="xsd:string"/>

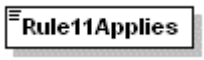
element **RouteCarrierSequence**

diagram	
namespace	http://www.agxml.org/schemas
type	**RouteCarrierSequence**
used by	element **RailRouting**
facets	enumeration 1st Carrier after Origin Carrier enumeration 2nd Carrier after Origin Carrier enumeration 3rd Carrier after Origin Carrier enumeration 4th Carrier after Origin Carrier enumeration 5th Carrier after Origin Carrier enumeration 6th Carrier after Origin Carrier enumeration 7th Carrier after Origin Carrier enumeration 8th Carrier after Origin Carrier enumeration 9th Carrier after Origin Carrier enumeration Delivery Carrier enumeration Delivery Switch Carrier enumeration Origin Carrier enumeration Origin Switch Carrier
source	<xsd:element name="RouteCarrierSequence" type="RouteCarrierSequence"/>

element **RouteType**

diagram	
namespace	http://www.agxml.org/schemas
type	**RouteType**
used by	element **RailRouting**
facets	enumeration Buyer enumeration Carrier enumeration Shipper
source	<xsd:element name="RouteType" type="RouteType"/>

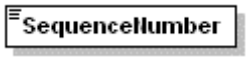
element **Rule11Applies**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **FreightPaymentTerms**
source	<xsd:element name="Rule11Applies" type="xsd:boolean"/>

element **Section7Applies**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **BillOfLadingHeader**
source	<xsd:element name="Section7Applies" type="xsd:boolean"/>

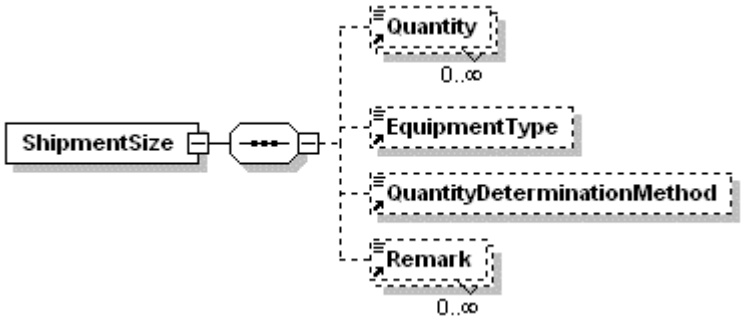
element **SequenceNumber**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:integer**
used by	elements **BillOfLadingLine** **Consignee** **FreightPaymentTerm**
source	<xsd:element name="SequenceNumber" type="xsd:integer"/>

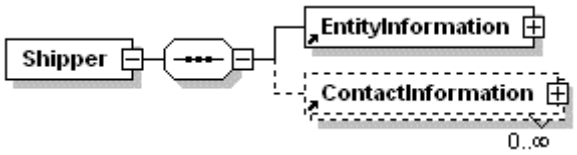
element **ServiceProvider**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation**
used by	element **SpecialHandlingInstruction**
source	<xsd:element name="ServiceProvider"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> </xsd:sequence> </xsd:complexType> </xsd:element>

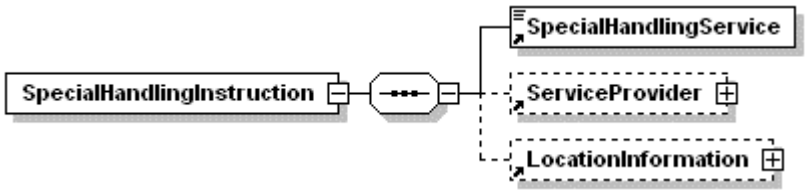
element **ShipmentSize**

diagram	
namespace	http://www.agxml.org/schemas
children	Quantity EquipmentType QuantityDeterminationMethod Remark
used by	element BillOfLadingHeader
source	<xsd:element name="ShipmentSize"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Quantity" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="EquipmentType" minOccurs="0"/> <xsd:element ref="QuantityDeterminationMethod" minOccurs="0"/> <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

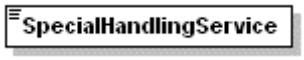
element **Shipper**

diagram	
namespace	http://www.agxml.org/schemas
children	EntityInformation ContactInformation
used by	element BillOfLadingHeader
source	<xsd:element name="Shipper"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

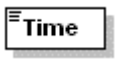
element **SpecialHandlingInstruction**

diagram	
namespace	http://www.agxml.org/schemas
children	SpecialHandlingService ServiceProvider LocationInformation
used by	element BillOfLadingHeader
source	<xsd:element name="SpecialHandlingInstruction"> <xsd:complexType> <xsd:sequence> <xsd:element ref="SpecialHandlingService"/> <xsd:element ref="ServiceProvider" minOccurs="0"/> <xsd:element ref="LocationInformation" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **SpecialHandlingService**

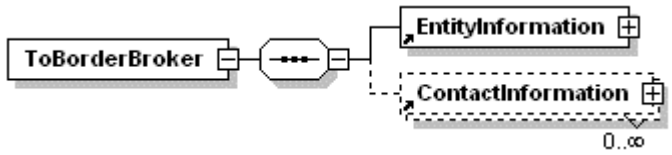
diagram	
namespace	http://www.agxml.org/schemas
type	SpecialHandlingService
used by	element SpecialHandlingInstruction
facets	enumeration Destination Weights enumeration Destination Grades enumeration First Official Grades enumeration First Official Weights enumeration LFVC enumeration Official Grades enumeration Official Weights enumeration Origin Weights enumeration Origin Grades enumeration Track Scale Weights enumeration WD enumeration WI enumeration WISD enumeration XP
source	<xsd:element name="SpecialHandlingService" type="SpecialHandlingService"/>

element **Time**

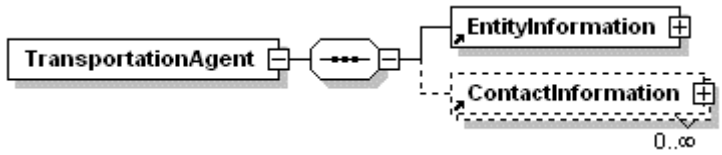
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:time**

used by	element **BillOfLadingDateTime**
source	<xsd:element name="Time" type="xsd:time"/>

element **ToBorderBroker**

diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation** **ContactInformation**
used by	element **ExportRoles**
source	<xsd:element name="ToBorderBroker"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **TransportationAgent**

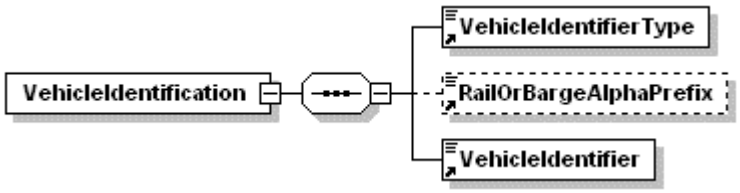
diagram	
namespace	http://www.agxml.org/schemas
children	**EntityInformation** **ContactInformation**
used by	element **BillOfLadingHeader**
source	<xsd:element name="TransportationAgent"> <xsd:complexType> <xsd:sequence> <xsd:element ref="EntityInformation"/> <xsd:element ref="ContactInformation" minOccurs="0" maxOccurs="unbounded"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **TransportationMode**

diagram	
namespace	http://www.agxml.org/schemas
type	**TransportationMode**
used by	element **BillOfLadingHeader**

facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck enumeration Vessel
source	<xsd:element name="TransportationMode" type="TransportationMode"/>

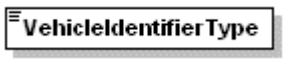
element **VehicleIdentification**

diagram	
namespace	http://www.agxml.org/schemas
children	VehicleIdentifierType RailOrBargeAlphaPrefix VehicleIdentifier
used by	element BillOfLadingLine
source	<xsd:element name="VehicleIdentification"> <xsd:complexType> <xsd:sequence> <xsd:element ref="VehicleIdentifierType"/> <xsd:element ref="RailOrBargeAlphaPrefix" minOccurs="0"/> <xsd:element ref="VehicleIdentifier"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **VehicleIdentifier**

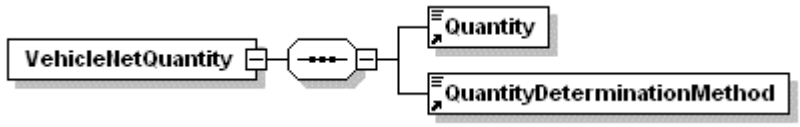
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element VehicleIdentification
source	<xsd:element name="VehicleIdentifier" type="xsd:string"/>

element **VehicleIdentifierType**

diagram	
namespace	http://www.agxml.org/schemas
type	VehicleIdentifierType
used by	element VehicleIdentification
facets	enumeration Barge enumeration Bar Code enumeration Bill of Lading enumeration Contract enumeration Description enumeration Driver Name

	enumeration Load Order enumeration Rail Car enumeration Scale Ticket enumeration Trailer License enumeration Truck License enumeration Vessel Hold enumeration Vessel Name
source	<xsd:element name="VehicleIdentifierType" type="VehicleIdentifierType"/>

element **VehicleNetQuantity**

diagram	
namespace	http://www.agxml.org/schemas
children	Quantity QuantityDeterminationMethod
used by	element BillOfLadingLine
source	<xsd:element name="VehicleNetQuantity"> <xsd:complexType> <xsd:sequence> <xsd:element ref="Quantity"/> <xsd:element ref="QuantityDeterminationMethod"/> </xsd:sequence> </xsd:complexType> </xsd:element>

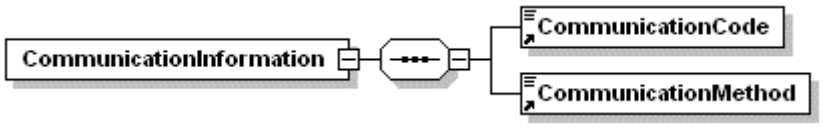
element **WeightCertificateIdentifier**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element BillOfLadingLine
source	<xsd:element name="WeightCertificateIdentifier" type="xsd:string"/>

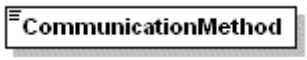
element **CommunicationCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element CommunicationInformation
source	<xsd:element name="CommunicationCode" type="xsd:string"/>

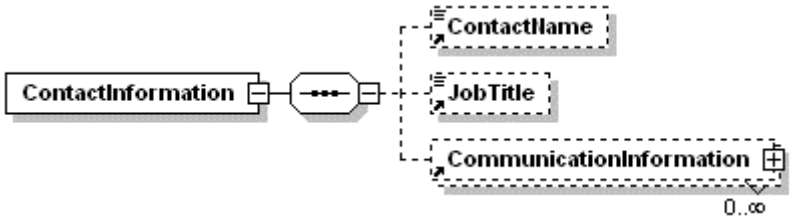
element **CommunicationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	CommunicationCode CommunicationMethod
used by	element ContactInformation
source	<xsd:element name="CommunicationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommunicationCode"/> <xsd:element ref="CommunicationMethod"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommunicationMethod**

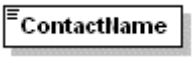
diagram	
namespace	http://www.agxml.org/schemas
type	CommunicationMethod
used by	element CommunicationInformation
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL
source	<xsd:element name="CommunicationMethod" type="CommunicationMethod"/>

element **ContactInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	ContactName JobTitle CommunicationInformation
used by	elements ConsignedTo Consignee Exporter FreightCarrier FreightPayer FromBorderBroker NotifyParty PreparedBy Shipper ToBorderBroker TransportationAgent
source	<xsd:element name="ContactInformation">

```
  <xsd:complexType>
   <xsd:sequence>
    <xsd:element ref="ContactName" minOccurs="0"/>
    <xsd:element ref="JobTitle" minOccurs="0"/>
    <xsd:element ref="CommunicationInformation" minOccurs="0" maxOccurs="unbounded"/>
   </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

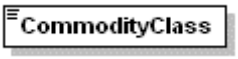
element **ContactName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ContactInformation**
source	<xsd:element name="ContactName" type="xsd:string"/>

element **JobTitle**

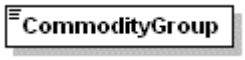
diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **ContactInformation**
source	<xsd:element name="JobTitle" type="xsd:string"/>

element **CommodityClass**

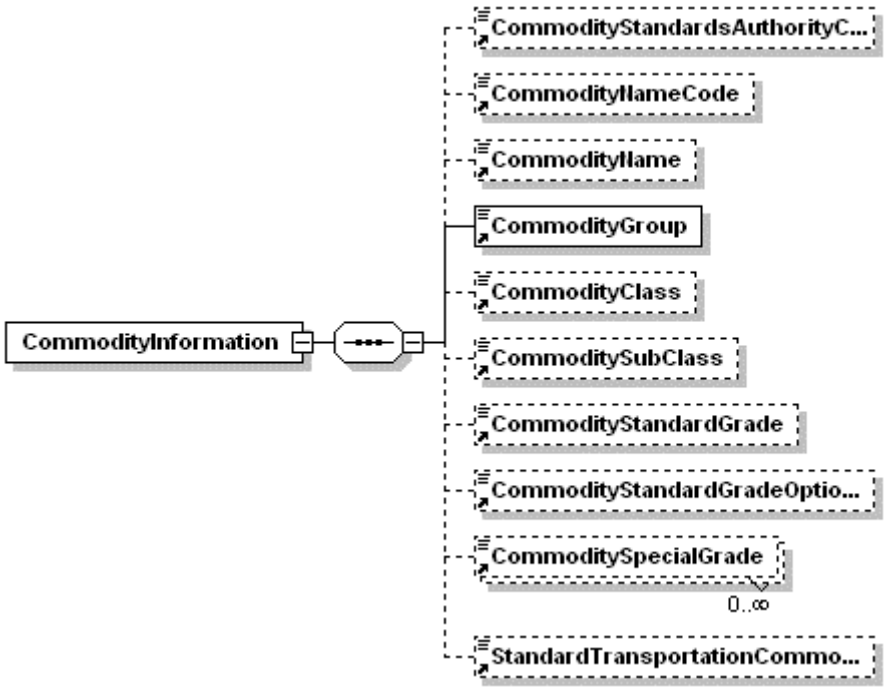
diagram	
namespace	http://www.agxml.org/schemas
type	**CommodityClass**
used by	element **CommodityInformation**
facets	enumeration Barley enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans

	enumeration Yellow Soybeans
source	<xsd:element name="CommodityClass" type="CommodityClass"/>

element **CommodityGroup**

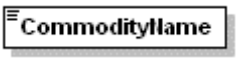
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityGroup
used by	element CommodityInformation
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain enumeration Non-standardized Grain enumeration Oats enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:element name="CommodityGroup" type="CommodityGroup"/>

element **CommodityInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	CommodityStandardsAuthorityCode CommodityNameCode CommodityName CommodityGroup CommodityClass CommoditySubClass CommodityStandardGrade CommodityStandardGradeOptionalDesignation

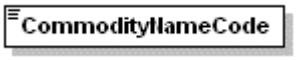
	CommoditySpecialGrade StandardTransportationCommodityCode
used by	element BillOfLadingLine
source	<xsd:element name="CommodityInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="CommodityStandardsAuthorityCode" minOccurs="0"/> <xsd:element ref="CommodityNameCode" minOccurs="0"/> <xsd:element ref="CommodityName" minOccurs="0"/> <xsd:element ref="CommodityGroup"/> <xsd:element ref="CommodityClass" minOccurs="0"/> <xsd:element ref="CommoditySubClass" minOccurs="0"/> <xsd:element ref="CommodityStandardGrade" minOccurs="0"/> <xsd:element ref="CommodityStandardGradeOptionalDesignation" minOccurs="0"/> <xsd:element ref="CommoditySpecialGrade" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="StandardTransportationCommodityCode" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **CommodityName**

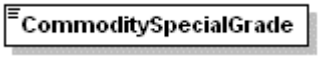
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityName
used by	element CommodityInformation
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat enumeration White Corn enumeration White Sorghum enumeration White Wheat

	enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:element name="CommodityName" type="CommodityName"/>

element **CommodityNameCode**

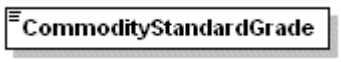
diagram	
namespace	http://www.agxml.org/schemas
type	CommodityNameCode
used by	element CommodityInformation
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K enumeration N enumeration NS enumeration O enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:element name="CommodityNameCode" type="CommodityNameCode"/>

element **CommoditySpecialGrade**

diagram	
namespace	http://www.agxml.org/schemas

type	CommoditySpecialGrade
used by	element CommodityInformation
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy
source	<xsd:element name="CommoditySpecialGrade" type="CommoditySpecialGrade"/>

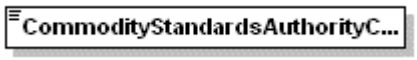
element **CommodityStandardGrade**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardGrade
used by	element CommodityInformation
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5 enumeration U.S. Sample
source	<xsd:element name="CommodityStandardGrade" type="CommodityStandardGrade"/>

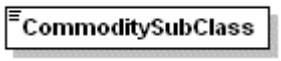
element **CommodityStandardGradeOptionalDesignation**

diagram	
namespace	http://www.agxml.org/schemas
type	CommodityStandardGradeOptionalDesignation
used by	element CommodityInformation
facets	enumeration Or Better
source	<xsd:element name="CommodityStandardGradeOptionalDesignation" type="CommodityStandardGradeOptionalDesignation"/>

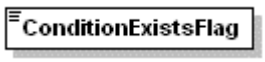
element **CommodityStandardsAuthorityCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**CommodityStandardsAuthorityCode**
used by	elements **CommodityInformation** **QualityInformation**
facets	enumeration GIPSA enumeration Industry
source	<xsd:element name="CommodityStandardsAuthorityCode" type="CommodityStandardsAuthorityCode"/>

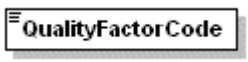
element **CommoditySubClass**

diagram	
namespace	http://www.agxml.org/schemas
type	**CommoditySubClass**
used by	element **CommodityInformation**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley enumeration Soft White Wheat enumeration Two-rowed Barley enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:element name="CommoditySubClass" type="CommoditySubClass"/>

element **ConditionExistsFlag**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:boolean**
used by	element **QualityFactorMeasurement**
source	<xsd:element name="ConditionExistsFlag" type="xsd:boolean"/>

element **QualityFactorCode**

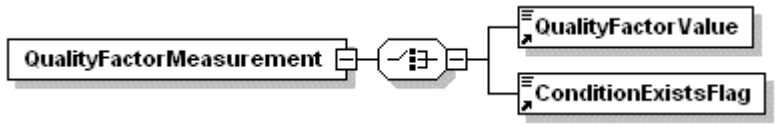
diagram	

namespace	http://www.agxml.org/schemas
type	**QualityFactorCode**
used by	element **QualityInformation**
facets	enumeration ADM enumeration AFLATOXIN enumeration ANFL enumeration BADS enumeration BADW enumeration BC enumeration BCFM enumeration BLCH enumeration BLAL enumeration BLB enumeration BLIT enumeration BN enumeration BNFM enumeration BNS enumeration BRDX enumeration BRIT enumeration C enumeration CADM enumeration CBUR enumeration CCL enumeration CH enumeration CL enumeration COFO enumeration CROT enumeration CRSE enumeration CSF enumeration CSTB enumeration DEF enumeration DENT enumeration DGK enumeration DH enumeration DHV enumeration DIAT enumeration DISC enumeration DK enumeration DKT enumeration DKG enumeration DLQ enumeration DYED enumeration EHVY enumeration ERC enumeration ERG enumeration FDK enumeration FINE enumeration FLIN enumeration FLAD enumeration FM enumeration FMOR enumeration FMOW enumeration FMWR enumeration FN enumeration FSUB enumeration GAR enumeration GARB enumeration GLAS enumeration GERM enumeration GLUC enumeration GR enumeration HARD enumeration HT enumeration HRS enumeration HRW enumeration HTG

	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF
	enumeration	IBHT
	enumeration	IBM
	enumeration	IDK
	enumeration	INF
	enumeration	LGAR
	enumeration	LGST
	enumeration	LIME
	enumeration	LSM
	enumeration	LW
	enumeration	M
	enumeration	MB
	enumeration	MDK
	enumeration	MDKG
	enumeration	MOTH
	enumeration	MSFM
	enumeration	MUST
	enumeration	MWTH
	enumeration	NSG
	enumeration	OCL
	enumeration	OCOL
	enumeration	ODK
	enumeration	ODOR
	enumeration	OG
	enumeration	OIL
	enumeration	OLI
	enumeration	OT
	enumeration	OWH
	enumeration	PL
	enumeration	PMS
	enumeration	PROT
	enumeration	RODX
	enumeration	SB
	enumeration	SBAL
	enumeration	SBLY
	enumeration	SBOC
	enumeration	SC
	enumeration	SCOR
	enumeration	SCT
	enumeration	SCL
	enumeration	SG
	enumeration	SHBN
	enumeration	SKBN
	enumeration	SKD
	enumeration	SLW
	enumeration	SMUT
	enumeration	SMT
	enumeration	SO
	enumeration	SOUR
	enumeration	SPL
	enumeration	SS
	enumeration	STON
	enumeration	STND
	enumeration	SULF
	enumeration	THIN
	enumeration	TOM
	enumeration	TRET
	enumeration	TW
	enumeration	UMT
	enumeration	UNCL
	enumeration	VOMITOXIN
	enumeration	WASH
	enumeration	WAXY

	enumeration WB enumeration WBG enumeration WHAL enumeration WHT enumeration WO enumeration WOCL enumeration X
source	<xsd:element name="QualityFactorCode" type="QualityFactorCode"/>

element **QualityFactorMeasurement**

diagram	
namespace	http://www.agxml.org/schemas
children	QualityFactorValue ConditionExistsFlag
used by	element QualityInformation
source	<xsd:element name="QualityFactorMeasurement"> <xsd:complexType> <xsd:choice> <xsd:element ref="QualityFactorValue"/> <xsd:element ref="ConditionExistsFlag"/> </xsd:choice> </xsd:complexType> </xsd:element>

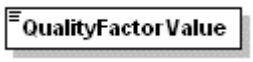
element **QualityFactorName**

diagram	
namespace	http://www.agxml.org/schemas
type	QualityFactorName
used by	element QualityInformation
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass enumeration Broken Kernels enumeration Broken Kernels and Foreign Material enumeration Castor Beans enumeration Choice enumeration Class enumeration Coarse enumeration Cockleburs

	enumeration	Cockleburs
	enumeration	Commercially Objectionable Foreign Odor
	enumeration	Conspicuous Admixture
	enumeration	Contrasting Classes
	enumeration	Corn
	enumeration	Crotalaria
	enumeration	Cultivated Sunflower Seed
	enumeration	Damaged Kernels
	enumeration	Damaged Kernels (total)
	enumeration	Dark Hard and Vitreous
	enumeration	Defects (total)
	enumeration	Dehulled
	enumeration	Dent
	enumeration	Diatomaceous Earth
	enumeration	Distinctly Discolored
	enumeration	Distinctly Green Kernels
	enumeration	Distinctly Low Quality
	enumeration	Dockage
	enumeration	Dyed
	enumeration	Ergoty
	enumeration	Erucic Acid
	enumeration	Extra Heavy
	enumeration	Falling Numbers
	enumeration	Fine Foreign Material
	enumeration	Flint
	enumeration	Flint and Dent
	enumeration	Foreign Material
	enumeration	Foreign Material Other than Rye
	enumeration	Foreign Material Other than Wheat
	enumeration	Foreign Material Other than Wheat or Rye
	enumeration	Frost-damaged Kernels
	enumeration	Garlic Bulblets
	enumeration	Garlicky
	enumeration	Glucosinolates
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture
	enumeration	Mold-damaged Kernels
	enumeration	Musty
	enumeration	Not Standardized Grain
	enumeration	Odor
	enumeration	Oil
	enumeration	Other Classes
	enumeration	Other Colors

	enumeration Other Damaged Kernels enumeration Other Grains enumeration Other Live Insects Injurious to Stored Grain enumeration Other Types enumeration Other White Wheat enumeration Plump enumeration Protein enumeration Purple Mottled or Stained enumeration Rodent Excreta enumeration Sample Grade enumeration Sclerotinia enumeration Scoured enumeration Shrunken and Broken Kernels enumeration Similar Seeds enumeration Skinned and Broken Kernels enumeration Slightly Weathered enumeration Smut Balls enumeration Smutty enumeration Sound Barley enumeration Sound Oats enumeration Sour enumeration Soybeans enumeration Soybeans of Other Colors enumeration Splits enumeration Stained enumeration Stinkbug Damaged enumeration Stones enumeration Stress Cracks enumeration Subclass enumeration Suitable Malting Type enumeration Sulfured enumeration Test Weight enumeration Thin enumeration Total Other Material enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:element name="QualityFactorName" type="QualityFactorName"/>

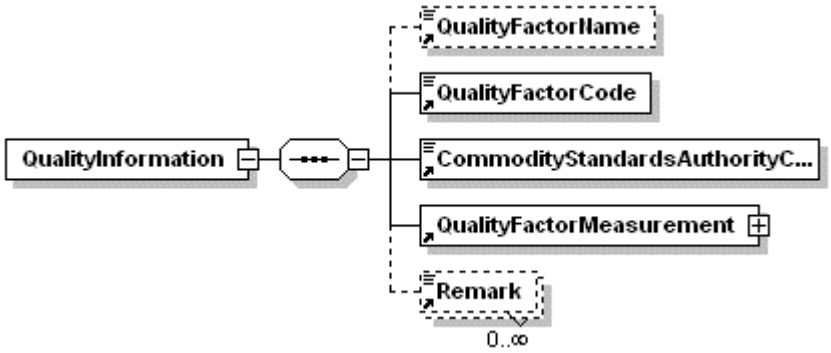
element **QualityFactorValue**

diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:decimal**
used by	element **QualityFactorMeasurement**
attributes	Name: qualityFactorUnitOfMeasure; Type: QualityFactorUnitOfMeasure; Use: required; Default: ; Fixed:
source	<xsd:element name="QualityFactorValue"> <xsd:complexType>

```
    <xsd:simpleContent>
      <xsd:extension base="xsd:decimal">
        <xsd:attribute name="qualityFactorUnitOfMeasure" type="QualityFactorUnitOfMeasure" use="required"/>
      </xsd:extension>
    </xsd:simpleContent>
  </xsd:complexType>
</xsd:element>
```

element **QualityInformation**

diagram



namespace: http://www.agxml.org/schemas

children: QualityFactorName QualityFactorCode CommodityStandardsAuthorityCode QualityFactorMeasurement Remark

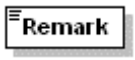
used by: element BillOfLadingLine

source

```
<xsd:element name="QualityInformation">
  <xsd:complexType>
    <xsd:sequence>
      <xsd:element ref="QualityFactorName" minOccurs="0"/>
      <xsd:element ref="QualityFactorCode"/>
      <xsd:element ref="CommodityStandardsAuthorityCode"/>
      <xsd:element ref="QualityFactorMeasurement"/>
      <xsd:element ref="Remark" minOccurs="0" maxOccurs="unbounded"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

element **Remark**

diagram



namespace: http://www.agxml.org/schemas

type: extension of **xsd:string**

used by: elements BillOfLadingHeader QualityInformation ShipmentSize

attributes

Name	Type	Use	Default	Fixed
remarkType	RemarkType			

source

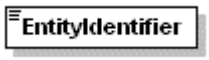
```
<xsd:element name="Remark">
  <xsd:complexType>
    <xsd:simpleContent>
      <xsd:extension base="xsd:string">
        <xsd:attribute name="remarkType" type="RemarkType"/>
      </xsd:extension>
    </xsd:simpleContent>
  </xsd:complexType>
```

	</xsd:element>

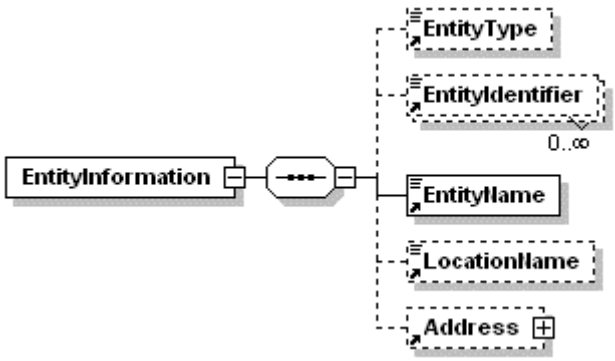
element **StandardTransportationCommodityCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **CommodityInformation**
source	<xsd:element name="StandardTransportationCommodityCode" type="xsd:string"/>

element **EntityIdentifier**

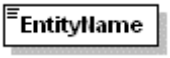
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **EntityInformation**
attributes	Name: identifierSource; Type: IdentifierSource; Use: optional; Default: ; Fixed:
source	<xsd:element name="EntityIdentifier"> <xsd:complexType> <xsd:simpleContent> <xsd:extension base="xsd:string"> <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/> </xsd:extension> </xsd:simpleContent> </xsd:complexType> </xsd:element>

element **EntityInformation**

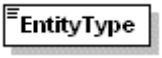
diagram	
namespace	http://www.agxml.org/schemas
children	**EntityType** **EntityIdentifier** **EntityName** **LocationName** **Address**
used by	elements **ConsignedTo** **Consignee** **Exporter** **FreightCarrier** **FreightPayer** **FromBorderBroker** **PreparedBy** **ServiceProvider** **Shipper** **ToBorderBroker** **TransportationAgent**
source	<xsd:element name="EntityInformation"> <xsd:complexType>

```
    <xsd:sequence>
      <xsd:element ref="EntityType" minOccurs="0"/>
      <xsd:element ref="EntityIdentifier" minOccurs="0" maxOccurs="unbounded"/>
      <xsd:element ref="EntityName"/>
      <xsd:element ref="LocationName" minOccurs="0"/>
      <xsd:element ref="Address" minOccurs="0"/>
    </xsd:sequence>
  </xsd:complexType>
</xsd:element>
```

element **EntityName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **EntityInformation** **NotifyParty**
source	<xsd:element name="EntityName" type="xsd:string"/>

element **EntityType**

diagram	
namespace	http://www.agxml.org/schemas
type	**EntityType**
used by	element **EntityInformation**
facets	enumeration Organization enumeration Person
source	<xsd:element name="EntityType" type="EntityType"/>

simpleType **CommunicationMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommunicationMethod**
facets	enumeration Cell Phone enumeration Desk Phone enumeration Email enumeration Fax enumeration FTP Site enumeration Pager enumeration Telex enumeration URL
source	<xsd:simpleType name="CommunicationMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Cell Phone"/> <xsd:enumeration value="Desk Phone"/> <xsd:enumeration value="Email"/> <xsd:enumeration value="Fax"/> <xsd:enumeration value="FTP Site"/> <xsd:enumeration value="Pager"/> <xsd:enumeration value="Telex"/> <xsd:enumeration value="URL"/>

```
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CommodityClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityClass**
facets	enumeration Barley enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Malting Barley enumeration Mixed Corn enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Tannin Sorghum enumeration Unclassed Wheat enumeration White Corn enumeration White Sorghum enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Malting Barley"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Unclassed Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityGroup**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityGroup**
facets	enumeration Barley enumeration Canola enumeration Corn enumeration Flaxseed enumeration Mixed Grain

	enumeration Mixed Grain enumeration Non-standardized Grain enumeration Oats enumeration Rye enumeration Sorghum enumeration Soybeans enumeration Sunflower Seeds enumeration Triticale enumeration Wheat
source	<xsd:simpleType name="CommodityGroup"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Corn"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Non-standardized Grain"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Soybeans"/> <xsd:enumeration value="Sunflower Seeds"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityName**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Blue Malting Barley enumeration Canola enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Flaxseed enumeration Hard Amber Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Hard White Wheat enumeration Mixed Corn enumeration Mixed Grain enumeration Mixed Sorghum enumeration Mixed Soybeans enumeration Mixed Wheat enumeration Northern Spring Wheat enumeration Oats enumeration Red Spring Wheat enumeration Rye enumeration Six Rowed Barley enumeration Six Rowed Malting Barley enumeration Six Rowed Blue Malting Barley enumeration Soft Red Winter Wheat enumeration Soft White Wheat enumeration Sorghum enumeration Sunflower Seed enumeration Tannin Sorghum enumeration Triticale enumeration Two Rowed Barley enumeration Two Rowed Malting Barley enumeration Western White Wheat enumeration White Club Wheat

	enumeration White Club Wheat enumeration White Corn enumeration White Sorghum enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="CommodityName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Blue Malting Barley"/> <xsd:enumeration value="Canola"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Flaxseed"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Hard White Wheat"/> <xsd:enumeration value="Mixed Corn"/> <xsd:enumeration value="Mixed Grain"/> <xsd:enumeration value="Mixed Sorghum"/> <xsd:enumeration value="Mixed Soybeans"/> <xsd:enumeration value="Mixed Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Rye"/> <xsd:enumeration value="Six Rowed Barley"/> <xsd:enumeration value="Six Rowed Malting Barley"/> <xsd:enumeration value="Six Rowed Blue Malting Barley"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Sorghum"/> <xsd:enumeration value="Sunflower Seed"/> <xsd:enumeration value="Tannin Sorghum"/> <xsd:enumeration value="Triticale"/> <xsd:enumeration value="Two Rowed Barley"/> <xsd:enumeration value="Two Rowed Malting Barley"/> <xsd:enumeration value="Western White Wheat"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="White Corn"/> <xsd:enumeration value="White Sorghum"/> <xsd:enumeration value="White Wheat"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityNameCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityNameCode**
facets	enumeration ADU enumeration BLMB enumeration BLY enumeration DNS enumeration DU enumeration FLAX enumeration HADU enumeration HDWH enumeration HRS enumeration HRW enumeration K

	enumeration K enumeration N enumeration NS enumeration O enumeration RS enumeration RYE enumeration S enumeration SF enumeration SRB enumeration SRBM enumeration SRMB enumeration SRW enumeration SWH enumeration TANS enumeration TRIT enumeration TRB enumeration TRMB enumeration WHCB enumeration WHC enumeration WHS enumeration WW enumeration WWH enumeration XC enumeration XGR enumeration XS enumeration XSB enumeration XWHT enumeration YC enumeration YSB
source	<xsd:simpleType name="CommodityNameCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="ADU"/> <xsd:enumeration value="BLMB"/> <xsd:enumeration value="BLY"/> <xsd:enumeration value="DNS"/> <xsd:enumeration value="DU"/> <xsd:enumeration value="FLAX"/> <xsd:enumeration value="HADU"/> <xsd:enumeration value="HDWH"/> <xsd:enumeration value="HRS"/> <xsd:enumeration value="HRW"/> <xsd:enumeration value="K"/> <xsd:enumeration value="N"/> <xsd:enumeration value="NS"/> <xsd:enumeration value="O"/> <xsd:enumeration value="RS"/> <xsd:enumeration value="RYE"/> <xsd:enumeration value="S"/> <xsd:enumeration value="SF"/> <xsd:enumeration value="SRB"/> <xsd:enumeration value="SRBM"/> <xsd:enumeration value="SRMB"/> <xsd:enumeration value="SRW"/> <xsd:enumeration value="SWH"/> <xsd:enumeration value="TANS"/> <xsd:enumeration value="TRIT"/> <xsd:enumeration value="TRB"/> <xsd:enumeration value="TRMB"/> <xsd:enumeration value="WHCB"/> <xsd:enumeration value="WHC"/> <xsd:enumeration value="WHS"/> <xsd:enumeration value="WW"/> <xsd:enumeration value="WWH"/> <xsd:enumeration value="XC"/> <xsd:enumeration value="XGR"/> <xsd:enumeration value="XS"/> <xsd:enumeration value="XSB"/> <xsd:enumeration value="XWHT"/>

	<xsd:enumeration value="YC"/> <xsd:enumeration value="YSB"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommoditySpecialGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySpecialGrade**
facets	enumeration Bleached enumeration Blighted enumeration Bright enumeration Ergoty enumeration Extra Heavy enumeration Flint enumeration Flint & Dent enumeration Garlicky enumeration Heavy enumeration Infested enumeration Light Garlicky enumeration Light Smutty enumeration Plump enumeration Purple Mottled or Stained enumeration Smutty enumeration Thin enumeration Treated enumeration Waxy
source	<xsd:simpleType name="CommoditySpecialGrade"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Bleached"/> <xsd:enumeration value="Blighted"/> <xsd:enumeration value="Bright"/> <xsd:enumeration value="Ergoty"/> <xsd:enumeration value="Extra Heavy"/> <xsd:enumeration value="Flint"/> <xsd:enumeration value="Flint & Dent"/> <xsd:enumeration value="Garlicky"/> <xsd:enumeration value="Heavy"/> <xsd:enumeration value="Infested"/> <xsd:enumeration value="Light Garlicky"/> <xsd:enumeration value="Light Smutty"/> <xsd:enumeration value="Plump"/> <xsd:enumeration value="Purple Mottled or Stained"/> <xsd:enumeration value="Smutty"/> <xsd:enumeration value="Thin"/> <xsd:enumeration value="Treated"/> <xsd:enumeration value="Waxy"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardGrade**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGrade**
facets	enumeration U.S. No 1 enumeration U.S. No 2 enumeration U.S. No 3 enumeration U.S. No 4 enumeration U.S. No 5

	enumeration U.S. No 5 enumeration U.S. Sample
source	<xsd:simpleType name="CommodityStandardGrade"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="U.S. No 1"/> <xsd:enumeration value="U.S. No 2"/> <xsd:enumeration value="U.S. No 3"/> <xsd:enumeration value="U.S. No 4"/> <xsd:enumeration value="U.S. No 5"/> <xsd:enumeration value="U.S. Sample"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardGradeOptionalDesignation**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardGradeOptionalDesignation**
facets	enumeration Or Better
source	<xsd:simpleType name="CommodityStandardGradeOptionalDesignation"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Or Better"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityStandardsAuthorityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommodityStandardsAuthorityCode**
facets	enumeration GIPSA enumeration Industry
source	<xsd:simpleType name="CommodityStandardsAuthorityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="GIPSA"/> <xsd:enumeration value="Industry"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommoditySubClass**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CommoditySubClass**
facets	enumeration Amber Durum Wheat enumeration Barley enumeration Dark Northern Spring Wheat enumeration Durum Wheat enumeration Hard Amber Durum Wheat enumeration Northern Spring Wheat enumeration Red Spring Wheat enumeration Six-rowed Barley enumeration Six-rowed Blue Malting Barley enumeration Six-rowed Malting Barley enumeration Soft White Wheat

	enumeration Soft White Wheat enumeration Two-rowed Barley enumeration Two-rowed Malting Barley enumeration White Club Wheat enumeration Western White Wheat
source	<xsd:simpleType name="CommoditySubClass"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Amber Durum Wheat"/> <xsd:enumeration value="Barley"/> <xsd:enumeration value="Dark Northern Spring Wheat"/> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Amber Durum Wheat"/> <xsd:enumeration value="Northern Spring Wheat"/> <xsd:enumeration value="Red Spring Wheat"/> <xsd:enumeration value="Six-rowed Barley"/> <xsd:enumeration value="Six-rowed Blue Malting Barley"/> <xsd:enumeration value="Six-rowed Malting Barley"/> <xsd:enumeration value="Soft White Wheat"/> <xsd:enumeration value="Two-rowed Barley"/> <xsd:enumeration value="Two-rowed Malting Barley"/> <xsd:enumeration value="White Club Wheat"/> <xsd:enumeration value="Western White Wheat"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityFactorCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QualityFactorCode**
facets	enumeration ADM enumeration AFLATOXIN enumeration ANFL enumeration BADS enumeration BADW enumeration BC enumeration BCFM enumeration BLCH enumeration BLAL enumeration BLB enumeration BLIT enumeration BN enumeration BNFM enumeration BNS enumeration BRDX enumeration BRIT enumeration C enumeration CADM enumeration CBUR enumeration CCL enumeration CH enumeration CL enumeration COFO enumeration CROT enumeration CRSE enumeration CSF enumeration CSTB enumeration DEF enumeration DENT enumeration DGK enumeration DH enumeration DHV enumeration DIAT enumeration DISC enumeration DK

	enumeration	DK
	enumeration	DKT
	enumeration	DKG
	enumeration	DLQ
	enumeration	DYED
	enumeration	EHVY
	enumeration	ERC
	enumeration	ERG
	enumeration	FDK
	enumeration	FINE
	enumeration	FLIN
	enumeration	FLAD
	enumeration	FM
	enumeration	FMOR
	enumeration	FMOW
	enumeration	FMWR
	enumeration	FN
	enumeration	FSUB
	enumeration	GAR
	enumeration	GARB
	enumeration	GLAS
	enumeration	GERM
	enumeration	GLUC
	enumeration	GR
	enumeration	HARD
	enumeration	HT
	enumeration	HRS
	enumeration	HRW
	enumeration	HTG
	enumeration	HP
	enumeration	HPFM
	enumeration	HVAC
	enumeration	HVY
	enumeration	IADM
	enumeration	IBF
	enumeration	IBHT
	enumeration	IBM
	enumeration	IDK
	enumeration	INF
	enumeration	LGAR
	enumeration	LGST
	enumeration	LIME
	enumeration	LSM
	enumeration	LW
	enumeration	M
	enumeration	MB
	enumeration	MDK
	enumeration	MDKG
	enumeration	MOTH
	enumeration	MSFM
	enumeration	MUST
	enumeration	MWTH
	enumeration	NSG
	enumeration	OCL
	enumeration	OCOL
	enumeration	ODK
	enumeration	ODOR
	enumeration	OG
	enumeration	OIL
	enumeration	OLI
	enumeration	OT
	enumeration	OWH
	enumeration	PL
	enumeration	PMS
	enumeration	PROT
	enumeration	RODX
	enumeration	SB
	enumeration	SBAL

	enumeration SBLY enumeration SBOC enumeration SC enumeration SCOR enumeration SCT enumeration SCL enumeration SG enumeration SHBN enumeration SKBN enumeration SKD enumeration SLW enumeration SMUT enumeration SMT enumeration SO enumeration SOUR enumeration SPL enumeration SS enumeration STON enumeration STND enumeration SULF enumeration THIN enumeration TOM enumeration TRET enumeration TW enumeration UMT enumeration UNCL enumeration VOMITOXIN enumeration WASH enumeration WAXY enumeration WB enumeration WBG enumeration WHAL enumeration WHT enumeration WO enumeration WOCL enumeration X
source	<xsd:simpleType name="QualityFactorCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="ADM"/> <xsd:enumeration value="AFLATOXIN"/> <xsd:enumeration value="ANFL"/> <xsd:enumeration value="BADS"/> <xsd:enumeration value="BADW"/> <xsd:enumeration value="BC"/> <xsd:enumeration value="BCFM"/> <xsd:enumeration value="BLCH"/> <xsd:enumeration value="BLAL"/> <xsd:enumeration value="BLB"/> <xsd:enumeration value="BLIT"/> <xsd:enumeration value="BN"/> <xsd:enumeration value="BNFM"/> <xsd:enumeration value="BNS"/> <xsd:enumeration value="BRDX"/> <xsd:enumeration value="BRIT"/> <xsd:enumeration value="C"/> <xsd:enumeration value="CADM"/> <xsd:enumeration value="CBUR"/> <xsd:enumeration value="CCL"/> <xsd:enumeration value="CH"/> <xsd:enumeration value="CL"/> <xsd:enumeration value="COFO"/> <xsd:enumeration value="CROT"/> <xsd:enumeration value="CRSE"/> <xsd:enumeration value="CSF"/> <xsd:enumeration value="CSTB"/> <xsd:enumeration value="DEF"/> <xsd:enumeration value="DENT"/> <xsd:enumeration value="DGK"/>

```
<xsd:enumeration value="DH"/>
<xsd:enumeration value="DHV"/>
<xsd:enumeration value="DIAT"/>
<xsd:enumeration value="DISC"/>
<xsd:enumeration value="DK"/>
<xsd:enumeration value="DKT"/>
<xsd:enumeration value="DKG"/>
<xsd:enumeration value="DLQ"/>
<xsd:enumeration value="DYED"/>
<xsd:enumeration value="EHVY"/>
<xsd:enumeration value="ERC"/>
<xsd:enumeration value="ERG"/>
<xsd:enumeration value="FDK"/>
<xsd:enumeration value="FINE"/>
<xsd:enumeration value="FLIN"/>
<xsd:enumeration value="FLAD"/>
<xsd:enumeration value="FM"/>
<xsd:enumeration value="FMOR"/>
<xsd:enumeration value="FMOW"/>
<xsd:enumeration value="FMWR"/>
<xsd:enumeration value="FN"/>
<xsd:enumeration value="FSUB"/>
<xsd:enumeration value="GAR"/>
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<xsd:enumeration value="GLUC"/>
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<xsd:enumeration value="HVY"/>
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<xsd:enumeration value="IBF"/>
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<xsd:enumeration value="IBM"/>
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<xsd:enumeration value="INF"/>
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<xsd:enumeration value="NSG"/>
<xsd:enumeration value="OCL"/>
<xsd:enumeration value="OCOL"/>
<xsd:enumeration value="ODK"/>
<xsd:enumeration value="ODOR"/>
<xsd:enumeration value="OG"/>
<xsd:enumeration value="OIL"/>
<xsd:enumeration value="OLI"/>
<xsd:enumeration value="OT"/>
<xsd:enumeration value="OWH"/>
<xsd:enumeration value="PL"/>
<xsd:enumeration value="PMS"/>
```

```
    <xsd:enumeration value="PROT"/>
    <xsd:enumeration value="RODX"/>
    <xsd:enumeration value="SB"/>
    <xsd:enumeration value="SBAL"/>
    <xsd:enumeration value="SBLY"/>
    <xsd:enumeration value="SBOC"/>
    <xsd:enumeration value="SC"/>
    <xsd:enumeration value="SCOR"/>
    <xsd:enumeration value="SCT"/>
    <xsd:enumeration value="SCL"/>
    <xsd:enumeration value="SG"/>
    <xsd:enumeration value="SHBN"/>
    <xsd:enumeration value="SKBN"/>
    <xsd:enumeration value="SKD"/>
    <xsd:enumeration value="SLW"/>
    <xsd:enumeration value="SMUT"/>
    <xsd:enumeration value="SMT"/>
    <xsd:enumeration value="SO"/>
    <xsd:enumeration value="SOUR"/>
    <xsd:enumeration value="SPL"/>
    <xsd:enumeration value="SS"/>
    <xsd:enumeration value="STON"/>
    <xsd:enumeration value="STND"/>
    <xsd:enumeration value="SULF"/>
    <xsd:enumeration value="THIN"/>
    <xsd:enumeration value="TOM"/>
    <xsd:enumeration value="TRET"/>
    <xsd:enumeration value="TW"/>
    <xsd:enumeration value="UMT"/>
    <xsd:enumeration value="UNCL"/>
    <xsd:enumeration value="VOMITOXIN"/>
    <xsd:enumeration value="WASH"/>
    <xsd:enumeration value="WAXY"/>
    <xsd:enumeration value="WB"/>
    <xsd:enumeration value="WBG"/>
    <xsd:enumeration value="WHAL"/>
    <xsd:enumeration value="WHT"/>
    <xsd:enumeration value="WO"/>
    <xsd:enumeration value="WOCL"/>
    <xsd:enumeration value="X"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QualityFactorName**
facets	enumeration Admixture enumeration Aflatoxin enumeration Angoumois Moths enumeration Animal Filth enumeration Badly Stained enumeration Badly Weathered enumeration Bird Excreta enumeration Bleached enumeration Blight enumeration Blue Aleurone enumeration Blue Barley enumeration Bottom Not Sampled enumeration Bright enumeration Broken Corn enumeration Broken Corn and Foreign Material enumeration Broken Glass enumeration Broken Kernels

	enumeration	Broken Kernels
	enumeration	Broken Kernels and Foreign Material
	enumeration	Castor Beans
	enumeration	Choice
	enumeration	Class
	enumeration	Coarse
	enumeration	Cockleburs
	enumeration	Commercially Objectionable Foreign Odor
	enumeration	Conspicuous Admixture
	enumeration	Contrasting Classes
	enumeration	Corn
	enumeration	Crotalaria
	enumeration	Cultivated Sunflower Seed
	enumeration	Damaged Kernels
	enumeration	Damaged Kernels (total)
	enumeration	Dark Hard and Vitreous
	enumeration	Defects (total)
	enumeration	Dehulled
	enumeration	Dent
	enumeration	Diatomaceous Earth
	enumeration	Distinctly Discolored
	enumeration	Distinctly Green Kernels
	enumeration	Distinctly Low Quality
	enumeration	Dockage
	enumeration	Dyed
	enumeration	Ergoty
	enumeration	Erucic Acid
	enumeration	Extra Heavy
	enumeration	Falling Numbers
	enumeration	Fine Foreign Material
	enumeration	Flint
	enumeration	Flint and Dent
	enumeration	Foreign Material
	enumeration	Foreign Material Other than Rye
	enumeration	Foreign Material Other than Wheat
	enumeration	Foreign Material Other than Wheat or Rye
	enumeration	Frost-damaged Kernels
	enumeration	Garlic Bulblets
	enumeration	Garlicky
	enumeration	Glucosinolates
	enumeration	Germ
	enumeration	Grain
	enumeration	Handpicked
	enumeration	Handpicked Foreign Material
	enumeration	Hard and Vitreous Kernels of Amber Color
	enumeration	Hard Kernels
	enumeration	Heat-damaged Kernels
	enumeration	Hard Red Winter
	enumeration	Hard Red Spring
	enumeration	Heating
	enumeration	Heavy
	enumeration	Inconspicuous Admixture
	enumeration	Infested
	enumeration	Injured by Frost
	enumeration	Injured by Heat
	enumeration	Injured by Mold
	enumeration	Insect-damaged Kernels
	enumeration	Large stones etc.
	enumeration	Light Garlicky
	enumeration	Light Smutty
	enumeration	Limed
	enumeration	Machine Separated Broken Kernels and FM
	enumeration	Malting Barley
	enumeration	Materially Weathered
	enumeration	Mechanically Separated Dockage
	enumeration	Mixed
	enumeration	Moisture
	enumeration	Mold-damaged Kernels

	enumeration Musty enumeration Not Standardized Grain enumeration Odor enumeration Oil enumeration Other Classes enumeration Other Colors enumeration Other Damaged Kernels enumeration Other Grains enumeration Other Live Insects Injurious to Stored Grain enumeration Other Types enumeration Other White Wheat enumeration Plump enumeration Protein enumeration Purple Mottled or Stained enumeration Rodent Excreta enumeration Sample Grade enumeration Sclerotinia enumeration Scoured enumeration Shrunken and Broken Kernels enumeration Similar Seeds enumeration Skinned and Broken Kernels enumeration Slightly Weathered enumeration Smut Balls enumeration Smutty enumeration Sound Barley enumeration Sound Oats enumeration Sour enumeration Soybeans enumeration Soybeans of Other Colors enumeration Splits enumeration Stained enumeration Stinkbug Damaged enumeration Stones enumeration Stress Cracks enumeration Subclass enumeration Suitable Malting Type enumeration Sulfured enumeration Test Weight enumeration Thin enumeration Total Other Material enumeration Treated enumeration Unclassed Wheat enumeration Unknown Foreign Substance enumeration Unsuitable Malting Type enumeration Vomitoxin enumeration Washed enumeration Waxy enumeration Weevils (live) enumeration Wheat enumeration Wheat of Other Classes enumeration White Aleurone enumeration Wild Brome Grass Seed enumeration Wild Buckwheat enumeration Wild Oats
source	<xsd:simpleType name="QualityFactorName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Admixture"/> <xsd:enumeration value="Aflatoxin"/> <xsd:enumeration value="Angoumois Moths"/> <xsd:enumeration value="Animal Filth"/> <xsd:enumeration value="Badly Stained"/> <xsd:enumeration value="Badly Weathered"/> <xsd:enumeration value="Bird Excreta"/> <xsd:enumeration value="Bleached"/> <xsd:enumeration value="Blight"/> <xsd:enumeration value="Blue Aleurone"/> <xsd:enumeration value="Blue Barley"/> <xsd:enumeration value="Bottom Not Sampled"/>

```
<xsd:enumeration value="Bright"/>
<xsd:enumeration value="Broken Corn"/>
<xsd:enumeration value="Broken Corn and  Foreign Material"/>
<xsd:enumeration value="Broken Glass"/>
<xsd:enumeration value="Broken Kernels"/>
<xsd:enumeration value="Broken Kernels and Foreign Material"/>
<xsd:enumeration value="Castor Beans"/>
<xsd:enumeration value="Choice"/>
<xsd:enumeration value="Class"/>
<xsd:enumeration value="Coarse"/>
<xsd:enumeration value="Cockleburs"/>
<xsd:enumeration value="Commercially Objectionable Foreign Odor"/>
<xsd:enumeration value="Conspicuous Admixture"/>
<xsd:enumeration value="Contrasting Classes"/>
<xsd:enumeration value="Corn"/>
<xsd:enumeration value="Crotalaria"/>
<xsd:enumeration value="Cultivated Sunflower Seed"/>
<xsd:enumeration value="Damaged Kernels"/>
<xsd:enumeration value="Damaged Kernels (total)"/>
<xsd:enumeration value="Dark  Hard  and  Vitreous"/>
<xsd:enumeration value="Defects (total)"/>
<xsd:enumeration value="Dehulled"/>
<xsd:enumeration value="Dent"/>
<xsd:enumeration value="Diatomaceous Earth"/>
<xsd:enumeration value="Distinctly Discolored"/>
<xsd:enumeration value="Distinctly Green Kernels"/>
<xsd:enumeration value="Distinctly Low Quality"/>
<xsd:enumeration value="Dockage"/>
<xsd:enumeration value="Dyed"/>
<xsd:enumeration value="Ergoty"/>
<xsd:enumeration value="Erucic Acid"/>
<xsd:enumeration value="Extra Heavy"/>
<xsd:enumeration value="Falling Numbers"/>
<xsd:enumeration value="Fine Foreign Material"/>
<xsd:enumeration value="Flint"/>
<xsd:enumeration value="Flint and Dent"/>
<xsd:enumeration value="Foreign Material"/>
<xsd:enumeration value="Foreign Material Other than Rye"/>
<xsd:enumeration value="Foreign Material Other than Wheat"/>
<xsd:enumeration value="Foreign Material Other than Wheat or Rye"/>
<xsd:enumeration value="Frost-damaged Kernels"/>
<xsd:enumeration value="Garlic Bulblets"/>
<xsd:enumeration value="Garlicky"/>
<xsd:enumeration value="Glucosinolates"/>
<xsd:enumeration value="Germ"/>
<xsd:enumeration value="Grain"/>
<xsd:enumeration value="Handpicked"/>
<xsd:enumeration value="Handpicked Foreign Material"/>
<xsd:enumeration value="Hard and Vitreous Kernels of Amber Color"/>
<xsd:enumeration value="Hard Kernels"/>
<xsd:enumeration value="Heat-damaged Kernels"/>
<xsd:enumeration value="Hard Red Winter"/>
<xsd:enumeration value="Hard Red Spring"/>
<xsd:enumeration value="Heating"/>
<xsd:enumeration value="Heavy"/>
<xsd:enumeration value="Inconspicuous Admixture"/>
<xsd:enumeration value="Infested"/>
<xsd:enumeration value="Injured by Frost"/>
<xsd:enumeration value="Injured by Heat"/>
<xsd:enumeration value="Injured by Mold"/>
<xsd:enumeration value="Insect-damaged Kernels"/>
<xsd:enumeration value="Large stones  etc."/>
<xsd:enumeration value="Light Garlicky"/>
<xsd:enumeration value="Light Smutty"/>
<xsd:enumeration value="Limed"/>
<xsd:enumeration value="Machine Separated Broken Kernels and FM"/>
<xsd:enumeration value="Malting Barley"/>
<xsd:enumeration value="Materially Weathered"/>
```

```
    <xsd:enumeration value="Mechanically Separated Dockage"/>
    <xsd:enumeration value="Mixed"/>
    <xsd:enumeration value="Moisture"/>
    <xsd:enumeration value="Mold-damaged Kernels"/>
    <xsd:enumeration value="Musty"/>
    <xsd:enumeration value="Not Standardized Grain"/>
    <xsd:enumeration value="Odor"/>
    <xsd:enumeration value="Oil"/>
    <xsd:enumeration value="Other Classes"/>
    <xsd:enumeration value="Other Colors"/>
    <xsd:enumeration value="Other Damaged Kernels"/>
    <xsd:enumeration value="Other Grains"/>
    <xsd:enumeration value="Other Live Insects Injurious to Stored Grain"/>
    <xsd:enumeration value="Other Types"/>
    <xsd:enumeration value="Other White Wheat"/>
    <xsd:enumeration value="Plump"/>
    <xsd:enumeration value="Protein"/>
    <xsd:enumeration value="Purple Mottled or Stained"/>
    <xsd:enumeration value="Rodent Excreta"/>
    <xsd:enumeration value="Sample Grade"/>
    <xsd:enumeration value="Sclerotinia"/>
    <xsd:enumeration value="Scoured"/>
    <xsd:enumeration value="Shrunken and Broken Kernels"/>
    <xsd:enumeration value="Similar Seeds"/>
    <xsd:enumeration value="Skinned and Broken Kernels"/>
    <xsd:enumeration value="Slightly Weathered"/>
    <xsd:enumeration value="Smut Balls"/>
    <xsd:enumeration value="Smutty"/>
    <xsd:enumeration value="Sound Barley"/>
    <xsd:enumeration value="Sound Oats"/>
    <xsd:enumeration value="Sour"/>
    <xsd:enumeration value="Soybeans"/>
    <xsd:enumeration value="Soybeans of Other Colors"/>
    <xsd:enumeration value="Splits"/>
    <xsd:enumeration value="Stained"/>
    <xsd:enumeration value="Stinkbug Damaged"/>
    <xsd:enumeration value="Stones"/>
    <xsd:enumeration value="Stress Cracks"/>
    <xsd:enumeration value="Subclass"/>
    <xsd:enumeration value="Suitable Malting Type"/>
    <xsd:enumeration value="Sulfured"/>
    <xsd:enumeration value="Test Weight"/>
    <xsd:enumeration value="Thin"/>
    <xsd:enumeration value="Total Other Material"/>
    <xsd:enumeration value="Treated"/>
    <xsd:enumeration value="Unclassed Wheat"/>
    <xsd:enumeration value="Unknown Foreign Substance"/>
    <xsd:enumeration value="Unsuitable Malting Type"/>
    <xsd:enumeration value="Vomitoxin"/>
    <xsd:enumeration value="Washed"/>
    <xsd:enumeration value="Waxy"/>
    <xsd:enumeration value="Weevils (live)"/>
    <xsd:enumeration value="Wheat"/>
    <xsd:enumeration value="Wheat of Other Classes"/>
    <xsd:enumeration value="White Aleurone"/>
    <xsd:enumeration value="Wild Brome Grass Seed"/>
    <xsd:enumeration value="Wild Buckwheat"/>
    <xsd:enumeration value="Wild Oats"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **QualityFactorUnitOfMeasure**

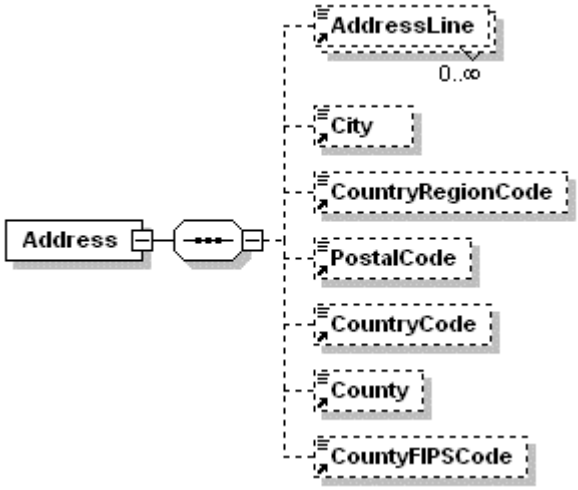
namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

used by	attribute **QualityFactorValue/@qualityFactorUnitOfMeasure**
facets	enumeration Count enumeration Kilograms Per Hectoliter enumeration Parts Per Billion enumeration Parts Per Million enumeration Percent enumeration Pounds Per Bushel
source	<xsd:simpleType name="QualityFactorUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Count"/> <xsd:enumeration value="Kilograms Per Hectoliter"/> <xsd:enumeration value="Parts Per Billion"/> <xsd:enumeration value="Parts Per Million"/> <xsd:enumeration value="Percent"/> <xsd:enumeration value="Pounds Per Bushel"/> </xsd:restriction> </xsd:simpleType>

simpleType **RemarkType**

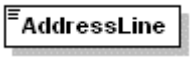
namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Remark/@remarkType**
facets	enumeration Header enumeration Footer
source	<xsd:simpleType name="RemarkType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Header"/> <xsd:enumeration value="Footer"/> </xsd:restriction> </xsd:simpleType>

element **Address**

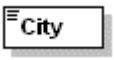
diagram	
namespace	http://www.agxml.org/schemas
children	**AddressLine City CountryRegionCode PostalCode CountryCode County CountyFIPSCode**
used by	elements **EntityInformation LocationInformation**

source	<xsd:element name="Address"> <xsd:complexType> <xsd:sequence> <xsd:element ref="AddressLine" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="City" minOccurs="0"/> <xsd:element ref="CountryRegionCode" minOccurs="0"/> <xsd:element ref="PostalCode" minOccurs="0"/> <xsd:element ref="CountryCode" minOccurs="0"/> <xsd:element ref="County" minOccurs="0"/> <xsd:element ref="CountyFIPSCode" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

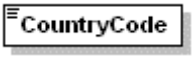
element **AddressLine**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="AddressLine" type="xsd:string"/>

element **City**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **Address** **RailRouting/Junction** **Junction**
source	<xsd:element name="City" type="xsd:string"/>

element **CountryCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**CountryCode**
used by	element **Address**
facets	enumeration AF enumeration AL enumeration DZ enumeration AS enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW

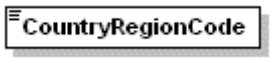
	enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG enumeration BF enumeration BI enumeration KH enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN enumeration CX enumeration CC enumeration CO enumeration KM enumeration CG enumeration CD enumeration CK enumeration CR enumeration CI enumeration HR enumeration CU enumeration CY enumeration CZ enumeration DK enumeration DJ enumeration DM enumeration DO enumeration TP enumeration EC enumeration EG enumeration SV enumeration GQ enumeration ER enumeration EE enumeration ET enumeration FK enumeration FO enumeration FJ enumeration FI enumeration FR enumeration GF enumeration PF enumeration TF enumeration GA enumeration GM enumeration GE

	enumeration	DE
	enumeration	GH
	enumeration	GI
	enumeration	GR
	enumeration	GL
	enumeration	GD
	enumeration	GP
	enumeration	GU
	enumeration	GT
	enumeration	GN
	enumeration	GW
	enumeration	GY
	enumeration	HT
	enumeration	HM
	enumeration	VA
	enumeration	HN
	enumeration	HK
	enumeration	HU
	enumeration	IS
	enumeration	IN
	enumeration	ID
	enumeration	IR
	enumeration	IQ
	enumeration	IE
	enumeration	IL
	enumeration	IT
	enumeration	JM
	enumeration	JP
	enumeration	JO
	enumeration	KZ
	enumeration	KE
	enumeration	KI
	enumeration	KP
	enumeration	KR
	enumeration	KW
	enumeration	KG
	enumeration	LA
	enumeration	LV
	enumeration	LB
	enumeration	LS
	enumeration	LR
	enumeration	LY
	enumeration	LI
	enumeration	LT
	enumeration	LU
	enumeration	MO
	enumeration	MK
	enumeration	MG
	enumeration	MW
	enumeration	MY
	enumeration	MV
	enumeration	ML
	enumeration	MT
	enumeration	MH
	enumeration	MQ
	enumeration	MR
	enumeration	MU
	enumeration	YT
	enumeration	MX
	enumeration	FM
	enumeration	MD
	enumeration	MC
	enumeration	MN
	enumeration	MS
	enumeration	MA
	enumeration	MZ
	enumeration	MM
	enumeration	NA

	enumeration	NR
	enumeration	NP
	enumeration	NL
	enumeration	AN
	enumeration	NC
	enumeration	NZ
	enumeration	NI
	enumeration	NE
	enumeration	NG
	enumeration	NU
	enumeration	NF
	enumeration	MP
	enumeration	NO
	enumeration	OM
	enumeration	K
	enumeration	PW
	enumeration	PS
	enumeration	PA
	enumeration	PG
	enumeration	PY
	enumeration	PE
	enumeration	PH
	enumeration	PN
	enumeration	PL
	enumeration	PT
	enumeration	PR
	enumeration	QA
	enumeration	RE
	enumeration	RO
	enumeration	RU
	enumeration	RW
	enumeration	SH
	enumeration	KN
	enumeration	LC
	enumeration	PM
	enumeration	VC
	enumeration	WS
	enumeration	SM
	enumeration	ST
	enumeration	SA
	enumeration	SN
	enumeration	SC
	enumeration	SL
	enumeration	SG
	enumeration	SK
	enumeration	SI
	enumeration	SB
	enumeration	SO
	enumeration	ZA
	enumeration	GS
	enumeration	ES
	enumeration	LK
	enumeration	SD
	enumeration	SR
	enumeration	SJ
	enumeration	SZ
	enumeration	SE
	enumeration	CH
	enumeration	SY
	enumeration	TW
	enumeration	TJ
	enumeration	TZ
	enumeration	TH
	enumeration	TG
	enumeration	TK
	enumeration	TO
	enumeration	TT
	enumeration	TN

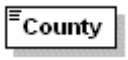
	enumeration TR enumeration TM enumeration TC enumeration TV enumeration UG enumeration UA enumeration AE enumeration GB enumeration US enumeration UM enumeration UY enumeration UZ enumeration VU enumeration VE enumeration VN enumeration VG enumeration VI enumeration WF enumeration EH enumeration YE enumeration YU enumeration ZM enumeration ZW
source	<xsd:element name="CountryCode" type="CountryCode"/>

element **CountryRegionCode**

diagram	
namespace	http://www.agxml.org/schemas
type	CountryRegionCode
used by	elements Address RailRouting/Junction Junction
facets	enumeration AL enumeration BCN enumeration BCS enumeration CAN enumeration CHIS enumeration CHIH enumeration COAH enumeration COL enumeration DF enumeration DGO' enumeration GTO enumeration GRO enumeration HGO enumeration JAL enumeration MEX enumeration MICH enumeration MOR enumeration NAY enumeration NLO enumeration OAX enumeration PUE enumeration QRO enumeration QROO enumeration SLP enumeration SIN enumeration SON enumeration TAB enumeration TAMPS enumeration TLAX enumeration VER enumeration YUC enumeration ZAC

	enumeration ZAC enumeration AB enumeration BC enumeration MB enumeration NB enumeration NF enumeration NT enumeration NS enumeration NU enumeration ON enumeration PE enumeration QC enumeration SK enumeration YT enumeration AK enumeration AZ enumeration AR enumeration CA enumeration CO enumeration CT enumeration DE enumeration DC enumeration FL enumeration GA enumeration HI enumeration ID enumeration IL enumeration IN enumeration IA enumeration KS enumeration KY enumeration LA enumeration ME enumeration MD enumeration MA enumeration MI enumeration MN enumeration MS enumeration MO enumeration MT enumeration NE enumeration NV enumeration NH enumeration NJ enumeration NM enumeration NY enumeration NC enumeration ND enumeration OH enumeration OK enumeration OR enumeration PA enumeration PR enumeration RI enumeration SC enumeration SD enumeration TN enumeration TX enumeration UT enumeration VT enumeration VA enumeration WA enumeration WV enumeration WI enumeration WY enumeration AGS
source	<xsd:element name="CountryRegionCode" type="CountryRegionCode"/>

element **County**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="County" type="xsd:string"/>

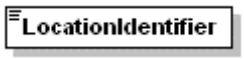
element **CountyFIPSCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="CountyFIPSCode" type="xsd:string"/>

element **PostalCode**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	element **Address**
source	<xsd:element name="PostalCode" type="xsd:string"/>

element **LocationIdentifier**

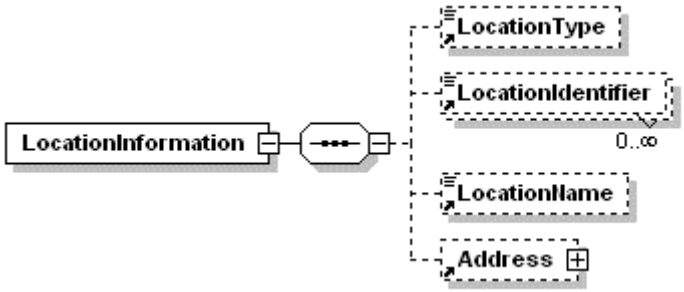
diagram	
namespace	http://www.agxml.org/schemas
type	extension of **xsd:string**
used by	element **LocationInformation**

attributes	Name	Type	Use	Default	Fixed
	identifierSource	IdentifierSource	optional		

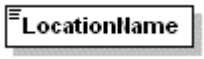
source

```
<xsd:element name="LocationIdentifier">
  <xsd:complexType>
    <xsd:simpleContent>
      <xsd:extension base="xsd:string">
        <xsd:attribute name="identifierSource" type="IdentifierSource" use="optional"/>
      </xsd:extension>
    </xsd:simpleContent>
  </xsd:complexType>
</xsd:element>
```

element **LocationInformation**

diagram	
namespace	http://www.agxml.org/schemas
children	**LocationType** **LocationIdentifier** **LocationName** **Address**
used by	elements **Destination** **Origin** **SpecialHandlingInstruction**
source	<xsd:element name="LocationInformation"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationType" minOccurs="0"/> <xsd:element ref="LocationIdentifier" minOccurs="0" maxOccurs="unbounded"/> <xsd:element ref="LocationName" minOccurs="0"/> <xsd:element ref="Address" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element>

element **LocationName**

diagram	
namespace	http://www.agxml.org/schemas
type	**xsd:string**
used by	elements **EntityInformation** **LocationInformation**
source	<xsd:element name="LocationName" type="xsd:string"/>

element **LocationType**

diagram	
namespace	http://www.agxml.org/schemas
type	**LocationType**
used by	element **LocationInformation**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location
source	<xsd:element name="LocationType" type="LocationType"/>

simpleType **EntityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **EntityType**
facets	enumeration Organization enumeration Person
source	<xsd:simpleType name="EntityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Organization"/> <xsd:enumeration value="Person"/> </xsd:restriction> </xsd:simpleType>

simpleType **ApplicationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Deferred Price enumeration Grain Bank enumeration Hold Payment enumeration Open Contract enumeration Specific Contract enumeration Spot End of Day enumeration Spot Immediate enumeration Storage enumeration Warehouse Receipt enumeration Unapplied/Hold
source	<xsd:simpleType name="ApplicationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Deferred Price"/> <xsd:enumeration value="Grain Bank"/> <xsd:enumeration value="Hold Payment"/> <xsd:enumeration value="Open Contract"/> <xsd:enumeration value="Specific Contract"/> <xsd:enumeration value="Spot End of Day"/> <xsd:enumeration value="Spot Immediate"/> <xsd:enumeration value="Storage"/> <xsd:enumeration value="Warehouse Receipt"/> <xsd:enumeration value="Unapplied/Hold"/> </xsd:restriction> </xsd:simpleType>

simpleType **BasisLocationMarket**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Atlantic Port enumeration Cedar River Railroad enumeration Central Kansas enumeration Chicago for Beyond enumeration Chicago including Burns Harbor enumeration Columbus for Beyond enumeration Columbia River District including Portland enumeration Columbia River District including Portland sellers option Pudget Sound District enumeration Commodity Credit Corporation enumeration Duluth/Superior

	enumeration East Texas Plains enumeration Evansville for Beyond enumeration Great Lakes enumeration Hanford/Tulare/Visalia enumeration Houston/Galveston/Beaumont enumeration Illinois Central Gulf enumeration Illinois River North enumeration Iowa & Minnesota Rail Link enumeration Kansas City enumeration Kansas City for Beyond enumeration Lower Mississippi River enumeration Lower Ohio River enumeration Mid-Bridge Brownsville enumeration Mid-Bridge Eagle Pass enumeration Mid-Bridge Laredo enumeration Mid-Bridge Nogales enumeration Mid-Bridge Presideo enumeration Mid-Mississippi River enumeration Minneapolis/Duluth enumeration Mississippi River enumeration Mississippi River Excluding Baton Rouge enumeration Modesto/Oakdale/Turlock enumeration North Kansas enumeration North Texas Plains enumeration Northeast Colorado enumeration Ohio River enumeration Pacific Northwest enumeration Pudget Sound District enumeration South Kansas enumeration South Texas Plains enumeration Southcentral Kansas enumeration Southeast Colorado enumeration Southeast Processors enumeration Southwest Kansas enumeration Stockton/San Joaquin Valley enumeration Tennessee River enumeration Texas Gulf enumeration Texas Gulf Excluding Brownsville enumeration Toledo/Maumee enumeration Track Nebraska enumeration Upper Mississippi River enumeration Upper Ohio River enumeration Union Pacific Group 3 enumeration Union Pacific Group 6 enumeration Union Pacific Group 9 enumeration United States Center Gulf enumeration United States Gulf enumeration United States Louisiana Gulf enumeration Washington Courthouse enumeration Western Kansas
source	<xsd:simpleType name="BasisLocationMarket"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Atlantic Port"/> <xsd:enumeration value="Cedar River Railroad"/> <xsd:enumeration value="Central Kansas"/> <xsd:enumeration value="Chicago for Beyond"/> <xsd:enumeration value="Chicago including Burns Harbor"/> <xsd:enumeration value="Columbus for Beyond"/> <xsd:enumeration value="Columbia River District including Portland"/> <xsd:enumeration value="Columbia River District including Portland sellers option Pudget Sound District"/> <xsd:enumeration value="Commodity Credit Corporation"/> <xsd:enumeration value="Duluth/Superior"/> <xsd:enumeration value="East Texas Plains"/> <xsd:enumeration value="Evansville for Beyond"/> <xsd:enumeration value="Great Lakes"/> <xsd:enumeration value="Hanford/Tulare/Visalia"/> <xsd:enumeration value="Houston/Galveston/Beaumont"/> <xsd:enumeration value="Illinois Central Gulf"/>

```
    <xsd:enumeration value="Illinois River North"/>
    <xsd:enumeration value="Iowa &amp;amp; Minnesota Rail Link"/>
    <xsd:enumeration value="Kansas City"/>
    <xsd:enumeration value="Kansas City for Beyond"/>
    <xsd:enumeration value="Lower Mississippi River"/>
    <xsd:enumeration value="Lower Ohio River"/>
    <xsd:enumeration value="Mid-Bridge Brownsville"/>
    <xsd:enumeration value="Mid-Bridge Eagle Pass"/>
    <xsd:enumeration value="Mid-Bridge Laredo"/>
    <xsd:enumeration value="Mid-Bridge Nogales"/>
    <xsd:enumeration value="Mid-Bridge Presideo"/>
    <xsd:enumeration value="Mid-Mississippi River"/>
    <xsd:enumeration value="Minneapolis/Duluth"/>
    <xsd:enumeration value="Mississippi River"/>
    <xsd:enumeration value="Mississippi River Excluding Baton Rouge"/>
    <xsd:enumeration value="Modesto/Oakdale/Turlock"/>
    <xsd:enumeration value="North Kansas"/>
    <xsd:enumeration value="North Texas Plains"/>
    <xsd:enumeration value="Northeast Colorado"/>
    <xsd:enumeration value="Ohio River"/>
    <xsd:enumeration value="Pacific Northwest"/>
    <xsd:enumeration value="Pudget Sound District"/>
    <xsd:enumeration value="South Kansas"/>
    <xsd:enumeration value="South Texas Plains"/>
    <xsd:enumeration value="Southcentral Kansas"/>
    <xsd:enumeration value="Southeast Colorado"/>
    <xsd:enumeration value="Southeast Processors"/>
    <xsd:enumeration value="Southwest Kansas"/>
    <xsd:enumeration value="Stockton/San Joaquin Valley"/>
    <xsd:enumeration value="Tennessee River"/>
    <xsd:enumeration value="Texas Gulf"/>
    <xsd:enumeration value="Texas Gulf Excluding Brownsville"/>
    <xsd:enumeration value="Toledo/Maumee"/>
    <xsd:enumeration value="Track Nebraska"/>
    <xsd:enumeration value="Upper Mississippi River"/>
    <xsd:enumeration value="Upper Ohio River"/>
    <xsd:enumeration value="Union Pacific Group 3"/>
    <xsd:enumeration value="Union Pacific Group 6"/>
    <xsd:enumeration value="Union Pacific Group 9"/>
    <xsd:enumeration value="United States Center Gulf"/>
    <xsd:enumeration value="United States Gulf"/>
    <xsd:enumeration value="United States Louisiana Gulf"/>
    <xsd:enumeration value="Washington Courthouse"/>
    <xsd:enumeration value="Western Kansas"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BillOfLadingIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **BillOfLadingIdentifierType**
facets	enumeration Agent enumeration Delivery enumeration Shipper enumeration Waybill or Lading

source

```
<xsd:simpleType name="BillOfLadingIdentifierType">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Agent"/>
    <xsd:enumeration value="Delivery"/>
    <xsd:enumeration value="Shipper"/>
    <xsd:enumeration value="Waybill or Lading"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **BillOfLadingType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **BillOfLadingType**
facets	enumeration Order enumeration Straight
source	<xsd:simpleType name="BillOfLadingType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Order"/> <xsd:enumeration value="Straight"/> </xsd:restriction> </xsd:simpleType>

simpleType **BuyerSellerCall**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Seller
source	<xsd:simpleType name="BuyerSellerCall"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes **Price/@commodityUnitOfMeasure** **Quantity/@commodityUnitOfMeasure**
facets	enumeration Barge enumeration Bushel enumeration Car Load enumeration Hundred Weight enumeration Kilogram enumeration Long Ton enumeration Metric Ton enumeration Pound enumeration Shipment enumeration Short Ton enumeration Truck enumeration Vessel
source	<xsd:simpleType name="CommodityUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bushel"/> <xsd:enumeration value="Car Load"/> <xsd:enumeration value="Hundred Weight"/> <xsd:enumeration value="Kilogram"/> <xsd:enumeration value="Long Ton"/> <xsd:enumeration value="Metric Ton"/> <xsd:enumeration value="Pound"/> <xsd:enumeration value="Shipment"/> <xsd:enumeration value="Short Ton"/>

```
    <xsd:enumeration value="Truck"/>
    <xsd:enumeration value="Vessel"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **ContractOriginator**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Buyer enumeration Seller enumeration Agent

source

```
<xsd:simpleType name="ContractOriginator">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Buyer"/>
    <xsd:enumeration value="Seller"/>
    <xsd:enumeration value="Agent"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CountryCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryCode**
facets	enumeration AF enumeration AL enumeration DZ enumeration AS enumeration AD enumeration AO enumeration AI enumeration AQ enumeration AG enumeration AR enumeration AM enumeration AW enumeration AU enumeration AT enumeration AZ enumeration BS enumeration BH enumeration BD enumeration BB enumeration BY enumeration BE enumeration BZ enumeration BJ enumeration BM enumeration BT enumeration BO enumeration BA enumeration BW enumeration BV enumeration BR enumeration IO enumeration BN enumeration BG enumeration BF enumeration BI enumeration KH enumeration CM

	enumeration CM enumeration CA enumeration CV enumeration KY enumeration CF enumeration TD enumeration CL enumeration CN enumeration CX enumeration CC enumeration CO enumeration KM enumeration CG enumeration CD enumeration CK enumeration CR enumeration CI enumeration HR enumeration CU enumeration CY enumeration CZ enumeration DK enumeration DJ enumeration DM enumeration DO enumeration TP enumeration EC enumeration EG enumeration SV enumeration GQ enumeration ER enumeration EE enumeration ET enumeration FK enumeration FO enumeration FJ enumeration FI enumeration FR enumeration GF enumeration PF enumeration TF enumeration GA enumeration GM enumeration GE enumeration DE enumeration GH enumeration GI enumeration GR enumeration GL enumeration GD enumeration GP enumeration GU enumeration GT enumeration GN enumeration GW enumeration GY enumeration HT enumeration HM enumeration VA enumeration HN enumeration HK enumeration HU enumeration IS enumeration IN enumeration ID enumeration IR enumeration IQ enumeration IE

	enumeration IL enumeration IT enumeration JM enumeration JP enumeration JO enumeration KZ enumeration KE enumeration KI enumeration KP enumeration KR enumeration KW enumeration KG enumeration LA enumeration LV enumeration LB enumeration LS enumeration LR enumeration LY enumeration LI enumeration LT enumeration LU enumeration MO enumeration MK enumeration MG enumeration MW enumeration MY enumeration MV enumeration ML enumeration MT enumeration MH enumeration MQ enumeration MR enumeration MU enumeration YT enumeration MX enumeration FM enumeration MD enumeration MC enumeration MN enumeration MS enumeration MA enumeration MZ enumeration MM enumeration NA enumeration NR enumeration NP enumeration NL enumeration AN enumeration NC enumeration NZ enumeration NI enumeration NE enumeration NG enumeration NU enumeration NF enumeration MP enumeration NO enumeration OM enumeration K enumeration PW enumeration PS enumeration PA enumeration PG enumeration PY enumeration PE enumeration PH enumeration PN enumeration PL

	enumeration	PT
	enumeration	PR
	enumeration	QA
	enumeration	RE
	enumeration	RO
	enumeration	RU
	enumeration	RW
	enumeration	SH
	enumeration	KN
	enumeration	LC
	enumeration	PM
	enumeration	VC
	enumeration	WS
	enumeration	SM
	enumeration	ST
	enumeration	SA
	enumeration	SN
	enumeration	SC
	enumeration	SL
	enumeration	SG
	enumeration	SK
	enumeration	SI
	enumeration	SB
	enumeration	SO
	enumeration	ZA
	enumeration	GS
	enumeration	ES
	enumeration	LK
	enumeration	SD
	enumeration	SR
	enumeration	SJ
	enumeration	SZ
	enumeration	SE
	enumeration	CH
	enumeration	SY
	enumeration	TW
	enumeration	TJ
	enumeration	TZ
	enumeration	TH
	enumeration	TG
	enumeration	TK
	enumeration	TO
	enumeration	TT
	enumeration	TN
	enumeration	TR
	enumeration	TM
	enumeration	TC
	enumeration	TV
	enumeration	UG
	enumeration	UA
	enumeration	AE
	enumeration	GB
	enumeration	US
	enumeration	UM
	enumeration	UY
	enumeration	UZ
	enumeration	VU
	enumeration	VE
	enumeration	VN
	enumeration	VG
	enumeration	VI
	enumeration	WF
	enumeration	EH
	enumeration	YE
	enumeration	YU
	enumeration	ZM
	enumeration	ZW

source

```
<xsd:simpleType name="CountryCode">
 <xsd:restriction base="xsd:string">
  <xsd:enumeration value="AF"/>
  <xsd:enumeration value="AL"/>
  <xsd:enumeration value="DZ"/>
  <xsd:enumeration value="AS"/>
  <xsd:enumeration value="AD"/>
  <xsd:enumeration value="AO"/>
  <xsd:enumeration value="AI"/>
  <xsd:enumeration value="AQ"/>
  <xsd:enumeration value="AG"/>
  <xsd:enumeration value="AR"/>
  <xsd:enumeration value="AM"/>
  <xsd:enumeration value="AW"/>
  <xsd:enumeration value="AU"/>
  <xsd:enumeration value="AT"/>
  <xsd:enumeration value="AZ"/>
  <xsd:enumeration value="BS"/>
  <xsd:enumeration value="BH"/>
  <xsd:enumeration value="BD"/>
  <xsd:enumeration value="BB"/>
  <xsd:enumeration value="BY"/>
  <xsd:enumeration value="BE"/>
  <xsd:enumeration value="BZ"/>
  <xsd:enumeration value="BJ"/>
  <xsd:enumeration value="BM"/>
  <xsd:enumeration value="BT"/>
  <xsd:enumeration value="BO"/>
  <xsd:enumeration value="BA"/>
  <xsd:enumeration value="BW"/>
  <xsd:enumeration value="BV"/>
  <xsd:enumeration value="BR"/>
  <xsd:enumeration value="IO"/>
  <xsd:enumeration value="BN"/>
  <xsd:enumeration value="BG"/>
  <xsd:enumeration value="BF"/>
  <xsd:enumeration value="BI"/>
  <xsd:enumeration value="KH"/>
  <xsd:enumeration value="CM"/>
  <xsd:enumeration value="CA"/>
  <xsd:enumeration value="CV"/>
  <xsd:enumeration value="KY"/>
  <xsd:enumeration value="CF"/>
  <xsd:enumeration value="TD"/>
  <xsd:enumeration value="CL"/>
  <xsd:enumeration value="CN"/>
  <xsd:enumeration value="CX"/>
  <xsd:enumeration value="CC"/>
  <xsd:enumeration value="CO"/>
  <xsd:enumeration value="KM"/>
  <xsd:enumeration value="CG"/>
  <xsd:enumeration value="CD"/>
  <xsd:enumeration value="CK"/>
  <xsd:enumeration value="CR"/>
  <xsd:enumeration value="CI"/>
  <xsd:enumeration value="HR"/>
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  <xsd:enumeration value="SV"/>
  <xsd:enumeration value="GQ"/>
```

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    <xsd:enumeration value="EH"/>
    <xsd:enumeration value="YE"/>
    <xsd:enumeration value="YU"/>
    <xsd:enumeration value="ZM"/>
    <xsd:enumeration value="ZW"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CountryRegionCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **CountryRegionCode**
facets	enumeration AL enumeration BCN enumeration BCS enumeration CAN enumeration CHIS enumeration CHIH enumeration COAH enumeration COL enumeration DF enumeration DGO' enumeration GTO enumeration GRO enumeration HGO enumeration JAL enumeration MEX enumeration MICH enumeration MOR enumeration NAY enumeration NLO enumeration OAX

	enumeration OAX enumeration PUE enumeration QRO enumeration QROO enumeration SLP enumeration SIN enumeration SON enumeration TAB enumeration TAMPS enumeration TLAX enumeration VER enumeration YUC enumeration ZAC enumeration AB enumeration BC enumeration MB enumeration NB enumeration NF enumeration NT enumeration NS enumeration NU enumeration ON enumeration PE enumeration QC enumeration SK enumeration YT enumeration AK enumeration AZ enumeration AR enumeration CA enumeration CO enumeration CT enumeration DE enumeration DC enumeration FL enumeration GA enumeration HI enumeration ID enumeration IL enumeration IN enumeration IA enumeration KS enumeration KY enumeration LA enumeration ME enumeration MD enumeration MA enumeration MI enumeration MN enumeration MS enumeration MO enumeration MT enumeration NE enumeration NV enumeration NH enumeration NJ enumeration NM enumeration NY enumeration NC enumeration ND enumeration OH enumeration OK enumeration OR enumeration PA enumeration PR enumeration RI enumeration SC enumeration SD

	enumeration TN enumeration TX enumeration UT enumeration VT enumeration VA enumeration WA enumeration WV enumeration WI enumeration WY enumeration AGS
source	<xsd:simpleType name="CountryRegionCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="AL"/> <xsd:enumeration value="BCN"/> <xsd:enumeration value="BCS"/> <xsd:enumeration value="CAN"/> <xsd:enumeration value="CHIS"/> <xsd:enumeration value="CHIH"/> <xsd:enumeration value="COAH"/> <xsd:enumeration value="COL"/> <xsd:enumeration value="DF"/> <xsd:enumeration value="DGO"/> <xsd:enumeration value="GTO"/> <xsd:enumeration value="GRO"/> <xsd:enumeration value="HGO"/> <xsd:enumeration value="JAL"/> <xsd:enumeration value="MEX"/> <xsd:enumeration value="MICH"/> <xsd:enumeration value="MOR"/> <xsd:enumeration value="NAY"/> <xsd:enumeration value="NLO"/> <xsd:enumeration value="OAX"/> <xsd:enumeration value="PUE"/> <xsd:enumeration value="QRO"/> <xsd:enumeration value="QROO"/> <xsd:enumeration value="SLP"/> <xsd:enumeration value="SIN"/> <xsd:enumeration value="SON"/> <xsd:enumeration value="TAB"/> <xsd:enumeration value="TAMPS"/> <xsd:enumeration value="TLAX"/> <xsd:enumeration value="VER"/> <xsd:enumeration value="YUC"/> <xsd:enumeration value="ZAC"/> <xsd:enumeration value="AB"/> <xsd:enumeration value="BC"/> <xsd:enumeration value="MB"/> <xsd:enumeration value="NB"/> <xsd:enumeration value="NF"/> <xsd:enumeration value="NT"/> <xsd:enumeration value="NS"/> <xsd:enumeration value="NU"/> <xsd:enumeration value="ON"/> <xsd:enumeration value="PE"/> <xsd:enumeration value="QC"/> <xsd:enumeration value="SK"/> <xsd:enumeration value="YT"/> <xsd:enumeration value="AK"/> <xsd:enumeration value="AZ"/> <xsd:enumeration value="AR"/> <xsd:enumeration value="CA"/> <xsd:enumeration value="CO"/> <xsd:enumeration value="CT"/> <xsd:enumeration value="DE"/> <xsd:enumeration value="DC"/> <xsd:enumeration value="FL"/> <xsd:enumeration value="GA"/> <xsd:enumeration value="HI"/>

```
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    <xsd:enumeration value="IN"/>
    <xsd:enumeration value="IA"/>
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    <xsd:enumeration value="WA"/>
    <xsd:enumeration value="WV"/>
    <xsd:enumeration value="WI"/>
    <xsd:enumeration value="WY"/>
    <xsd:enumeration value="AGS"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **CurrencyCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attribute **Price/@currencyCode**
facets	enumeration USD

```
<xsd:simpleType name="CurrencyCode">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="USD"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **DeliveryBasis**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**

facets	enumeration CIF enumeration CIFFO enumeration CNF enumeration CNFFO enumeration Delivered enumeration FAS enumeration FOB enumeration FOB Farm enumeration FST enumeration In-store
source	<xsd:simpleType name="DeliveryBasis"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CIF"/> <xsd:enumeration value="CIFFO"/> <xsd:enumeration value="CNF"/> <xsd:enumeration value="CNFFO"/> <xsd:enumeration value="Delivered"/> <xsd:enumeration value="FAS"/> <xsd:enumeration value="FOB"/> <xsd:enumeration value="FOB Farm"/> <xsd:enumeration value="FST"/> <xsd:enumeration value="In-store"/> </xsd:restriction> </xsd:simpleType>

simpleType **DistanceUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Centimeters enumeration Feet enumeration Inches enumeration Meters enumeration Yards
source	<xsd:simpleType name="DistanceUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Centimeters"/> <xsd:enumeration value="Feet"/> <xsd:enumeration value="Inches"/> <xsd:enumeration value="Meters"/> <xsd:enumeration value="Yards"/> </xsd:restriction> </xsd:simpleType>

simpleType **EquipmentType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **EquipmentType**
facets	enumeration Auger enumeration Barge enumeration Box enumeration Container enumeration Covered Hopper enumeration Double Trailer enumeration Flat-Bed enumeration Hi-Cube enumeration Hydrolic enumeration Lash Barge enumeration Laker

	enumeration Open Hopper enumeration Other enumeration Panamax enumeration Rake enumeration Rail enumeration Sacked enumeration Self-Trimming enumeration Self-Unloader enumeration Ship enumeration Small-Cube enumeration Tanker enumeration Truck enumeration Tween-Decker enumeration Unit Train
source	<xsd:simpleType name="EquipmentType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Auger"/> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Box"/> <xsd:enumeration value="Container"/> <xsd:enumeration value="Covered Hopper"/> <xsd:enumeration value="Double Trailer"/> <xsd:enumeration value="Flat-Bed"/> <xsd:enumeration value="Hi-Cube"/> <xsd:enumeration value="Hydrolic"/> <xsd:enumeration value="Lash Barge"/> <xsd:enumeration value="Laker"/> <xsd:enumeration value="Open Hopper"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Panamax"/> <xsd:enumeration value="Rake"/> <xsd:enumeration value="Rail"/> <xsd:enumeration value="Sacked"/> <xsd:enumeration value="Self-Trimming"/> <xsd:enumeration value="Self-Unloader"/> <xsd:enumeration value="Ship"/> <xsd:enumeration value="Small-Cube"/> <xsd:enumeration value="Tanker"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Tween-Decker"/> <xsd:enumeration value="Unit Train"/> </xsd:restriction> </xsd:simpleType>

simpleType **FreightPaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **FreightPaymentTermType**
facets	enumeration Collect enumeration Prepaid
source	<xsd:simpleType name="FreightPaymentTermType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Collect"/> <xsd:enumeration value="Prepaid"/> </xsd:restriction> </xsd:simpleType>

simpleType **FreightRateAuthorityType**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
used by	element **FreightRateAuthorityType**
facets	enumeration Contract enumeration Quote enumeration Rate enumeration Tariff
source	<xsd:simpleType name="FreightRateAuthorityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Quote"/> <xsd:enumeration value="Rate"/> <xsd:enumeration value="Tariff"/> </xsd:restriction> </xsd:simpleType>

simpleType **FuturesCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration C enumeration DW enumeration KW enumeration MW enumeration NW enumeration O enumeration S enumeration SM enumeration W enumeration XC enumeration XE enumeration XO enumeration XS enumeration XW
source	<xsd:simpleType name="FuturesCommodityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="C"/> <xsd:enumeration value="DW"/> <xsd:enumeration value="KW"/> <xsd:enumeration value="MW"/> <xsd:enumeration value="NW"/> <xsd:enumeration value="O"/> <xsd:enumeration value="S"/> <xsd:enumeration value="SM"/> <xsd:enumeration value="W"/> <xsd:enumeration value="XC"/> <xsd:enumeration value="XE"/> <xsd:enumeration value="XO"/> <xsd:enumeration value="XS"/> <xsd:enumeration value="XW"/> </xsd:restriction> </xsd:simpleType>

simpleType **FuturesCommodityName**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Durum Wheat enumeration Hard Red Spring Wheat enumeration Hard Red Winter Wheat enumeration Oats

	enumeration Soft Red Winter Wheat enumeration Soybean Meal enumeration White Wheat enumeration Yellow Corn enumeration Yellow Soybeans
source	<xsd:simpleType name="FuturesCommodityName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Durum Wheat"/> <xsd:enumeration value="Hard Red Spring Wheat"/> <xsd:enumeration value="Hard Red Winter Wheat"/> <xsd:enumeration value="Oats"/> <xsd:enumeration value="Soft Red Winter Wheat"/> <xsd:enumeration value="Soybean Meal"/> <xsd:enumeration value="White Wheat"/> <xsd:enumeration value="Yellow Corn"/> <xsd:enumeration value="Yellow Soybeans"/> </xsd:restriction> </xsd:simpleType>

simpleType **FuturesExchangeCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration CBOT enumeration KCBOT enumeration MGE enumeration MIDAM
source	<xsd:simpleType name="FuturesExchangeCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CBOT"/> <xsd:enumeration value="KCBOT"/> <xsd:enumeration value="MGE"/> <xsd:enumeration value="MIDAM"/> </xsd:restriction> </xsd:simpleType>

simpleType **GoverningTradeRules**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration FOSFA enumeration GAFTA enumeration KCBOT enumeration MGE enumeration NAEGA 2 enumeration NCPA enumeration NGFA enumeration NOPA enumeration PME
source	<xsd:simpleType name="GoverningTradeRules"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="FOSFA"/> <xsd:enumeration value="GAFTA"/> <xsd:enumeration value="KCBOT"/> <xsd:enumeration value="MGE"/> <xsd:enumeration value="NAEGA 2"/> <xsd:enumeration value="NCPA"/> <xsd:enumeration value="NGFA"/> <xsd:enumeration value="NOPA"/> <xsd:enumeration value="PME"/> </xsd:restriction>

	</xsd:simpleType>

simpleType **GradesToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Destination House enumeration Destination Official enumeration Destination Submit enumeration First Certified enumeration First Official enumeration Origin House enumeration Origin Official enumeration Origin Submit
source	<xsd:simpleType name="GradesToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Destination House"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination Submit"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="Origin House"/> <xsd:enumeration value="Origin Official"/> <xsd:enumeration value="Origin Submit"/> </xsd:restriction> </xsd:simpleType>

simpleType **IdentifierSource**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	attributes EntityIdentifier/@identifierSource LocationIdentifier/@identifierSource
facets	enumeration Agent Internal enumeration Buyer Internal enumeration Dunn & Bradstreet enumeration GIPSA Internal enumeration RapidNet enumeration Seller Internal enumeration Service Provider Internal
source	<xsd:simpleType name="IdentifierSource"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent Internal"/> <xsd:enumeration value="Buyer Internal"/> <xsd:enumeration value="Dunn & Bradstreet"/> <xsd:enumeration value="GIPSA Internal"/> <xsd:enumeration value="RapidNet"/> <xsd:enumeration value="Seller Internal"/> <xsd:enumeration value="Service Provider Internal"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Affidavit enumeration A enumeration B

	enumeration B enumeration C enumeration D enumeration E enumeration Other enumeration State Warehouse enumeration U.S. Warehouse Act
source	<xsd:simpleType name="InspectionClassCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Affidavit"/> <xsd:enumeration value="A"/> <xsd:enumeration value="B"/> <xsd:enumeration value="C"/> <xsd:enumeration value="D"/> <xsd:enumeration value="E"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="State Warehouse"/> <xsd:enumeration value="U.S. Warehouse Act"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionLevelType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Appeal enumeration Board Appeal enumeration Original enumeration Reinspection enumeration Supervision
source	<xsd:simpleType name="InspectionLevelType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Appeal"/> <xsd:enumeration value="Board Appeal"/> <xsd:enumeration value="Original"/> <xsd:enumeration value="Reinspection"/> <xsd:enumeration value="Supervision"/> </xsd:restriction> </xsd:simpleType>

simpleType **InspectionProviderType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Federal enumeration House enumeration State enumeration Third Party
source	<xsd:simpleType name="InspectionProviderType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Federal"/> <xsd:enumeration value="House"/> <xsd:enumeration value="State"/> <xsd:enumeration value="Third Party"/> </xsd:restriction> </xsd:simpleType>

simpleType **LocationType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **LocationType**
facets	enumeration Facility enumeration Farm enumeration Field enumeration Storage Location
source	<xsd:simpleType name="LocationType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Facility"/> <xsd:enumeration value="Farm"/> <xsd:enumeration value="Field"/> <xsd:enumeration value="Storage Location"/> </xsd:restriction> </xsd:simpleType>

simpleType **MonthsOfYear**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration January enumeration February enumeration March enumeration April enumeration May enumeration June enumeration July enumeration August enumeration September enumeration October enumeration November enumeration December
source	<xsd:simpleType name="MonthsOfYear"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="January"/> <xsd:enumeration value="February"/> <xsd:enumeration value="March"/> <xsd:enumeration value="April"/> <xsd:enumeration value="May"/> <xsd:enumeration value="June"/> <xsd:enumeration value="July"/> <xsd:enumeration value="August"/> <xsd:enumeration value="September"/> <xsd:enumeration value="October"/> <xsd:enumeration value="November"/> <xsd:enumeration value="December"/> </xsd:restriction> </xsd:simpleType>

simpleType **PaymentTermType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration At Time of Settlement enumeration Bill of Lading

	enumeration Bonded by Warehouse enumeration Cash Against Documents enumeration Cash Against Mates Receipt enumeration Cash in Advance enumeration Draft Bill of Lading enumeration Letter of Credit enumeration Letter of Credit Draft Bill of Lading enumeration Inter-Department Transfer enumeration Net enumeration Prepay enumeration Sight Draft enumeration Wire Transfer enumeration Wire Transfer Against Invoice and Documents enumeration Usual Terms
source	<xsd:simpleType name="PaymentTermType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="At Time of Settlement"/> <xsd:enumeration value="Bill of Lading"/> <xsd:enumeration value="Bonded by Warehouse"/> <xsd:enumeration value="Cash Against Documents"/> <xsd:enumeration value="Cash Against Mates Receipt"/> <xsd:enumeration value="Cash in Advance"/> <xsd:enumeration value="Draft Bill of Lading"/> <xsd:enumeration value="Letter of Credit"/> <xsd:enumeration value="Letter of Credit Draft Bill of Lading"/> <xsd:enumeration value="Inter-Department Transfer"/> <xsd:enumeration value="Net"/> <xsd:enumeration value="Prepay"/> <xsd:enumeration value="Sight Draft"/> <xsd:enumeration value="Wire Transfer"/> <xsd:enumeration value="Wire Transfer Against Invoice and Documents"/> <xsd:enumeration value="Usual Terms"/> </xsd:restriction> </xsd:simpleType>

simpleType **PermitIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **PermitIdentifierType**
facets	enumeration CLOCK enumeration COT enumeration GEEP enumeration Grain Authorization enumeration Lease enumeration PERX enumeration Pool enumeration Permit enumeration SCO enumeration Voucher
source	<xsd:simpleType name="PermitIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="CLOCK"/> <xsd:enumeration value="COT"/> <xsd:enumeration value="GEEP"/> <xsd:enumeration value="Grain Authorization"/> <xsd:enumeration value="Lease"/> <xsd:enumeration value="PERX"/> <xsd:enumeration value="Pool"/> <xsd:enumeration value="Permit"/> <xsd:enumeration value="SCO"/> <xsd:enumeration value="Voucher"/> </xsd:restriction>

	</xsd:simpleType>

simpleType **PremiumAndDiscountLimitCondition**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Negotiate enumeration Reject enumeration Subject to Rejection
source	<xsd:simpleType name="PremiumAndDiscountLimitCondition"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Negotiate"/> <xsd:enumeration value="Reject"/> <xsd:enumeration value="Subject to Rejection"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountMeasurementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Quality Factor enumeration Grade
source	<xsd:simpleType name="PremiumAndDiscountMeasurementType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Quality Factor"/> <xsd:enumeration value="Grade"/> </xsd:restriction> </xsd:simpleType>

simpleType **PremiumAndDiscountQuantityType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Percent of Gross Bushels enumeration Percent of Gross Weight enumeration Percent of Net Bushels enumeration Percent of Net Weight
source	<xsd:simpleType name="PremiumAndDiscountQuantityType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Percent of Gross Bushels"/> <xsd:enumeration value="Percent of Gross Weight"/> <xsd:enumeration value="Percent of Net Bushels"/> <xsd:enumeration value="Percent of Net Weight"/> </xsd:restriction> </xsd:simpleType>

simpleType **PricingCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Pricing enumeration Pricing Reversal
source	<xsd:simpleType name="PricingCode">

	<xsd:restriction base="xsd:string"> <xsd:enumeration value="Pricing"/> <xsd:enumeration value="Pricing Reversal"/> </xsd:restriction> </xsd:simpleType>

simpleType **PricingMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Exchange enumeration Order enumeration Spot
source	<xsd:simpleType name="PricingMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Exchange"/> <xsd:enumeration value="Order"/> <xsd:enumeration value="Spot"/> </xsd:restriction> </xsd:simpleType>

simpleType **PriceType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Basis enumeration Delayed Price enumeration Flat enumeration Futures
source	<xsd:simpleType name="PriceType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Basis"/> <xsd:enumeration value="Delayed Price"/> <xsd:enumeration value="Flat"/> <xsd:enumeration value="Futures"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityCertificateStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Canceled enumeration Corrected enumeration Original enumeration Re-issued enumeration Verified
source	<xsd:simpleType name="QualityCertificateStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Canceled"/> <xsd:enumeration value="Corrected"/> <xsd:enumeration value="Original"/> <xsd:enumeration value="Re-issued"/> <xsd:enumeration value="Verified"/> </xsd:restriction> </xsd:simpleType>

simpleType **QualityGrouping**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Average per 5-Car Unit enumeration Average per 3-Car Unit enumeration Contract enumeration Cumulative Sum enumeration Hold enumeration Shipment enumeration Sublot enumeration Unit
source	<xsd:simpleType name="QualityGrouping"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Average per 5-Car Unit"/> <xsd:enumeration value="Average per 3-Car Unit"/> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Cumulative Sum"/> <xsd:enumeration value="Hold"/> <xsd:enumeration value="Shipment"/> <xsd:enumeration value="Sublot"/> <xsd:enumeration value="Unit"/> </xsd:restriction> </xsd:simpleType>

simpleType **QuantityDeterminationMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **QuantityDeterminationMethod**
facets	enumeration Actual enumeration Draft enumeration Estimated
source	<xsd:simpleType name="QuantityDeterminationMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Actual"/> <xsd:enumeration value="Draft"/> <xsd:enumeration value="Estimated"/> </xsd:restriction> </xsd:simpleType>

simpleType **RouteCarrierSequence**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **RouteCarrierSequence**
facets	enumeration 1st Carrier after Origin Carrier enumeration 2nd Carrier after Origin Carrier enumeration 3rd Carrier after Origin Carrier enumeration 4th Carrier after Origin Carrier enumeration 5th Carrier after Origin Carrier enumeration 6th Carrier after Origin Carrier enumeration 7th Carrier after Origin Carrier enumeration 8th Carrier after Origin Carrier enumeration 9th Carrier after Origin Carrier enumeration Delivery Carrier

	enumeration Delivery Switch Carrier enumeration Origin Carrier enumeration Origin Switch Carrier
source	<xsd:simpleType name="RouteCarrierSequence"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="1st Carrier after Origin Carrier"/> <xsd:enumeration value="2nd Carrier after Origin Carrier"/> <xsd:enumeration value="3rd Carrier after Origin Carrier"/> <xsd:enumeration value="4th Carrier after Origin Carrier"/> <xsd:enumeration value="5th Carrier after Origin Carrier"/> <xsd:enumeration value="6th Carrier after Origin Carrier"/> <xsd:enumeration value="7th Carrier after Origin Carrier"/> <xsd:enumeration value="8th Carrier after Origin Carrier"/> <xsd:enumeration value="9th Carrier after Origin Carrier"/> <xsd:enumeration value="Delivery Carrier"/> <xsd:enumeration value="Delivery Switch Carrier"/> <xsd:enumeration value="Origin Carrier"/> <xsd:enumeration value="Origin Switch Carrier"/> </xsd:restriction> </xsd:simpleType>

simpleType **RouteType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **RouteType**
facets	enumeration Buyer enumeration Carrier enumeration Shipper
source	<xsd:simpleType name="RouteType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Carrier"/> <xsd:enumeration value="Shipper"/> </xsd:restriction> </xsd:simpleType>

simpleType **SampleMethod**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Belt enumeration Diverter enumeration Door enumeration Ellis Cup enumeration Mechanical Diverter enumeration Other enumeration Pelican enumeration Probe enumeration Shallow Probe enumeration Woodside
source	<xsd:simpleType name="SampleMethod"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Belt"/> <xsd:enumeration value="Diverter"/> <xsd:enumeration value="Door"/> <xsd:enumeration value="Ellis Cup"/> <xsd:enumeration value="Mechanical Diverter"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Pelican"/>

	<xsd:enumeration value="Probe"/> <xsd:enumeration value="Shallow Probe"/> <xsd:enumeration value="Woodside"/> </xsd:restriction> </xsd:simpleType>

simpleType **SampleOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Official enumeration Submitted
source	<xsd:simpleType name="SampleOfficialCategory"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Official"/> <xsd:enumeration value="Submitted"/> </xsd:restriction> </xsd:simpleType>

simpleType **ScheduleEvent**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration At Time of Contract Creation enumeration At Time of Load enumeration At Time of Pricing enumeration At Time of Settlement enumeration At Time of Shipment enumeration At Time of Unload
source	<xsd:simpleType name="ScheduleEvent"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="At Time of Contract Creation"/> <xsd:enumeration value="At Time of Load"/> <xsd:enumeration value="At Time of Pricing"/> <xsd:enumeration value="At Time of Settlement"/> <xsd:enumeration value="At Time of Shipment"/> <xsd:enumeration value="At Time of Unload"/> </xsd:restriction> </xsd:simpleType>

simpleType **ServiceEvent**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Export enumeration Inbound enumeration Outbound enumeration Submitted enumeration Track
source	<xsd:simpleType name="ServiceEvent"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Export"/> <xsd:enumeration value="Inbound"/> <xsd:enumeration value="Outbound"/> <xsd:enumeration value="Submitted"/> <xsd:enumeration value="Track"/> </xsd:restriction>

	</xsd:simpleType>

simpleType **ServiceOfficialCategory**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Certified enumeration Official enumeration Unofficial
source	<xsd:simpleType name="ServiceOfficialCategory"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Certified"/> <xsd:enumeration value="Official"/> <xsd:enumeration value="Unofficial"/> </xsd:restriction> </xsd:simpleType>

simpleType **SpecialHandlingService**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **SpecialHandlingService**
facets	enumeration Destination Weights enumeration Destination Grades enumeration First Official Grades enumeration First Official Weights enumeration LFVC enumeration Official Grades enumeration Official Weights enumeration Origin Weights enumeration Origin Grades enumeration Track Scale Weights enumeration WD enumeration WI enumeration WISD enumeration XP
source	<xsd:simpleType name="SpecialHandlingService"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Destination Weights"/> <xsd:enumeration value="Destination Grades"/> <xsd:enumeration value="First Official Grades"/> <xsd:enumeration value="First Official Weights"/> <xsd:enumeration value="LFVC"/> <xsd:enumeration value="Official Grades"/> <xsd:enumeration value="Official Weights"/> <xsd:enumeration value="Origin Weights"/> <xsd:enumeration value="Origin Grades"/> <xsd:enumeration value="Track Scale Weights"/> <xsd:enumeration value="WD"/> <xsd:enumeration value="WI"/> <xsd:enumeration value="WISD"/> <xsd:enumeration value="XP"/> </xsd:restriction> </xsd:simpleType>

simpleType **SpecialTermName**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
facets	enumeration Advance Rate enumeration Broker Rate enumeration Cancellation Fee enumeration Carrying Charge enumeration Days Load Notice enumeration Demurrage Charge enumeration Despatch Charge enumeration Delayed Price In Charge enumeration Delayed Price Monthly Charge enumeration Fumigation Charge enumeration Interest Charge enumeration Issue Fee enumeration Load Guarantee enumeration Load Port Declaration enumeration Other enumeration Price By Date enumeration Re-price Charge enumeration Roll Fee enumeration Service Charge enumeration Shipment Period Declaration enumeration Special Contract Information enumeration Storage In Charge enumeration Storage Monthly Charge
source	<xsd:simpleType name="SpecialTermName"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Advance Rate"/> <xsd:enumeration value="Broker Rate"/> <xsd:enumeration value="Cancellation Fee"/> <xsd:enumeration value="Carrying Charge"/> <xsd:enumeration value="Days Load Notice"/> <xsd:enumeration value="Demurrage Charge"/> <xsd:enumeration value="Despatch Charge"/> <xsd:enumeration value="Delayed Price In Charge"/> <xsd:enumeration value="Delayed Price Monthly Charge"/> <xsd:enumeration value="Fumigation Charge"/> <xsd:enumeration value="Interest Charge"/> <xsd:enumeration value="Issue Fee"/> <xsd:enumeration value="Load Guarantee"/> <xsd:enumeration value="Load Port Declaration"/> <xsd:enumeration value="Other"/> <xsd:enumeration value="Price By Date"/> <xsd:enumeration value="Re-price Charge"/> <xsd:enumeration value="Roll Fee"/> <xsd:enumeration value="Service Charge"/> <xsd:enumeration value="Shipment Period Declaration"/> <xsd:enumeration value="Special Contract Information"/> <xsd:enumeration value="Storage In Charge"/> <xsd:enumeration value="Storage Monthly Charge"/> </xsd:restriction> </xsd:simpleType>

simpleType **StandardTransportationCommodityCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration 01-131 Barley enumeration 01-132 Corn enumeration 01-133 Oats enumeration 01-135 Rye enumeration 01-136 Sorghum Grains enumeration 01-137 Wheat enumeration 01-139 Grain, NEC enumeration 01-141 Cottonseeds

	enumeration 01-142 Flaxseeds enumeration 01-144 Soybeans enumeration 01-149 Oil Kernals, nuts or seeds enumeration 01-152 Popcorn enumeration 01-159 Seeds enumeration 01-191 Fodder Hay or Roughage enumeration 01-341 Beans, Dry Ripe enumeration 01-342 Peas, Dry enumeration 01-343 Cowpeas, Lentils or Lupines enumeration 01-992 Alfalfa Meal enumeration 20-411 Wheat Flour enumeration 20-412 Wheat bran, middlings enumeration 20-413 Corn meal or flour enumeration 20-414 Rye flour enumeration 20-415 Oat flour enumeration 20-418 Grain mill by-products enumeration 20-419 Flour or other grain mill products, NEC enumeration 20-421 Prepared Feeds enumeration 20-461 Corn syrup enumeration 20-462 Corn starch enumeration 20-463 Corn sugar enumeration 20-464 Dextrine, corn, tapioca or other enumeration 20-465 Corn oil enumeration 20-466 Other starch enumeration 20-467 Wet process corn or similar mill by-products enumeration 20-469 Wet process corn milling or by-products enumeration 20-471 Bird Food or Seed,Domestic enumeration 20-619 Beet Pulp Pellets enumeration 20-823 Spent Grains enumeration 20-831 Malt enumeration 20-839 Malt Products enumeration 20-859 Distillers By-Products enumeration 20-914 Cottonseed Meal or By-Products enumeration 20-921 Soybean oil enumeration 20-923 Soybean meal and hulls enumeration 20-933 Nut or Vegetable Oils enumeration 20-939 Oil Seed Meals & By-Products, NEC enumeration 20-942 Fish Meal enumeration 20-144 Animal Protein Products enumeration 01-134 Rough Rice enumeration 20-449 Milled Rice, Rice By-Products, etc. enumeration 20-442 Rice Flour enumeration 20-933 Rice Oil enumeration 20-442 Rice Bran enumeration 37-422 Freight cars moving on own-wheels enumeration
source	<xsd:simpleType name="StandardTransportationCommodityCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="01-131 Barley"/> <xsd:enumeration value="01-132 Corn"/> <xsd:enumeration value="01-133 Oats"/> <xsd:enumeration value="01-135 Rye"/> <xsd:enumeration value="01-136 Sorghum Grains"/> <xsd:enumeration value="01-137 Wheat"/> <xsd:enumeration value="01-139 Grain, NEC"/> <xsd:enumeration value="01-141 Cottonseeds"/> <xsd:enumeration value="01-142 Flaxseeds"/> <xsd:enumeration value="01-144 Soybeans"/> <xsd:enumeration value="01-149 Oil Kernals, nuts or seeds"/> <xsd:enumeration value="01-152 Popcorn"/> <xsd:enumeration value="01-159 Seeds"/> <xsd:enumeration value="01-191 Fodder Hay or Roughage"/> <xsd:enumeration value="01-341 Beans, Dry Ripe"/> <xsd:enumeration value="01-342 Peas, Dry"/> <xsd:enumeration value="01-343 Cowpeas, Lentils or Lupines"/> <xsd:enumeration value="01-992 Alfalfa Meal"/> <xsd:enumeration value="20-411 Wheat Flour"/> <xsd:enumeration value="20-412 Wheat bran, middlings"/>

```
    <xsd:enumeration value="20-413 Corn meal or flour"/>
    <xsd:enumeration value="20-414 Rye flour"/>
    <xsd:enumeration value="20-415 Oat flour"/>
    <xsd:enumeration value="20-418 Grain mill by-products"/>
    <xsd:enumeration value="20-419 Flour or other grain mill products, NEC"/>
    <xsd:enumeration value="20-421 Prepared Feeds"/>
    <xsd:enumeration value="20-461 Corn syrup"/>
    <xsd:enumeration value="20-462 Corn starch"/>
    <xsd:enumeration value="20-463 Corn sugar"/>
    <xsd:enumeration value="20-464 Dextrine, corn, tapioca or other"/>
    <xsd:enumeration value="20-465 Corn oil"/>
    <xsd:enumeration value="20-466 Other starch"/>
    <xsd:enumeration value="20-467 Wet process corn or similar mill by-products"/>
    <xsd:enumeration value="20-469 Wet process corn milling or by-products"/>
    <xsd:enumeration value="20-471 Bird Food or Seed,Domestic"/>
    <xsd:enumeration value="20-619 Beet Pulp Pellets"/>
    <xsd:enumeration value="20-823 Spent Grains"/>
    <xsd:enumeration value="20-831 Malt"/>
    <xsd:enumeration value="20-839 Malt Products"/>
    <xsd:enumeration value="20-859 Distillers By-Products"/>
    <xsd:enumeration value="20-914 Cottonseed Meal or By-Products"/>
    <xsd:enumeration value="20-921 Soybean oil"/>
    <xsd:enumeration value="20-923 Soybean meal and hulls"/>
    <xsd:enumeration value="20-933 Nut or Vegetable Oils"/>
    <xsd:enumeration value="20-939 Oil Seed Meals &amp;amp; By-Products, NEC"/>
    <xsd:enumeration value="20-942 Fish Meal"/>
    <xsd:enumeration value="20-144 Animal Protein Products"/>
    <xsd:enumeration value="01-134 Rough Rice"/>
    <xsd:enumeration value="20-449 Milled Rice, Rice By-Products, etc."/>
    <xsd:enumeration value="20-442 Rice Flour"/>
    <xsd:enumeration value="20-933 Rice Oil"/>
    <xsd:enumeration value="20-442 Rice Bran"/>
    <xsd:enumeration value="37-422 Freight cars moving on own-wheels"/>
    <xsd:enumeration value=""/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **TimeUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Day enumeration Hour enumeration Minute enumeration Month enumeration Second enumeration Week enumeration Year

source

```
<xsd:simpleType name="TimeUnitOfMeasure">
  <xsd:restriction base="xsd:string">
    <xsd:enumeration value="Day"/>
    <xsd:enumeration value="Hour"/>
    <xsd:enumeration value="Minute"/>
    <xsd:enumeration value="Month"/>
    <xsd:enumeration value="Second"/>
    <xsd:enumeration value="Week"/>
    <xsd:enumeration value="Year"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **TolerancePricingTerm**

namespace	http://www.agxml.org/schemas

type	restriction of **xsd:string**
facets	enumeration Contract Basis enumeration Contract Flat Price enumeration Market Day After Unload enumeration Market Day of Load
source	<xsd:simpleType name="TolerancePricingTerm"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Contract Basis"/> <xsd:enumeration value="Contract Flat Price"/> <xsd:enumeration value="Market Day After Unload"/> <xsd:enumeration value="Market Day of Load"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationMode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **TransportationMode**
facets	enumeration Barge enumeration In-store enumeration Rail enumeration Truck enumeration Vessel
source	<xsd:simpleType name="TransportationMode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="In-store"/> <xsd:enumeration value="Rail"/> <xsd:enumeration value="Truck"/> <xsd:enumeration value="Vessel"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationProvider**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Agent enumeration Buyer enumeration Seller
source	<xsd:simpleType name="TransportationProvider"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Agent"/> <xsd:enumeration value="Buyer"/> <xsd:enumeration value="Seller"/> </xsd:restriction> </xsd:simpleType>

simpleType **TransportationUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Barges enumeration Cars enumeration Holds

	enumeration Trucks enumeration
source	<xsd:simpleType name="TransportationUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barges"/> <xsd:enumeration value="Cars"/> <xsd:enumeration value="Holds"/> <xsd:enumeration value="Trucks"/> <xsd:enumeration value=""/> </xsd:restriction> </xsd:simpleType>

simpleType **TruckDriverStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Off enumeration On enumeration Unknown
source	<xsd:simpleType name="TruckDriverStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Off"/> <xsd:enumeration value="On"/> <xsd:enumeration value="Unknown"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityMovementStatus**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Complete Notification enumeration Disposition Notification enumeration Quality Notification enumeration Weight and Quality Notification enumeration Weight Notification
source	<xsd:simpleType name="CommodityMovementStatus"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Complete Notification"/> <xsd:enumeration value="Disposition Notification"/> <xsd:enumeration value="Quality Notification"/> <xsd:enumeration value="Weight and Quality Notification"/> <xsd:enumeration value="Weight Notification"/> </xsd:restriction> </xsd:simpleType>

simpleType **CommodityMovementType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Inbound enumeration In-store enumeration Outbound enumeration Paper Trade
source	<xsd:simpleType name="CommodityMovementType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Inbound"/>

	<xsd:enumeration value="In-store"/> <xsd:enumeration value="Outbound"/> <xsd:enumeration value="Paper Trade"/> </xsd:restriction> </xsd:simpleType>

simpleType **VehicleIdentifierType**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
used by	element **VehicleIdentifierType**
facets	enumeration Barge enumeration Bar Code enumeration Bill of Lading enumeration Contract enumeration Description enumeration Driver Name enumeration Load Order enumeration Rail Car enumeration Scale Ticket enumeration Trailer License enumeration Truck License enumeration Vessel Hold enumeration Vessel Name
source	<xsd:simpleType name="VehicleIdentifierType"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Barge"/> <xsd:enumeration value="Bar Code"/> <xsd:enumeration value="Bill of Lading"/> <xsd:enumeration value="Contract"/> <xsd:enumeration value="Description"/> <xsd:enumeration value="Driver Name"/> <xsd:enumeration value="Load Order"/> <xsd:enumeration value="Rail Car"/> <xsd:enumeration value="Scale Ticket"/> <xsd:enumeration value="Trailer License"/> <xsd:enumeration value="Truck License"/> <xsd:enumeration value="Vessel Hold"/> <xsd:enumeration value="Vessel Name"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightClassCode**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Affidavit enumeration House enumeration X enumeration Y enumeration 1 enumeration 2 enumeration 3
source	<xsd:simpleType name="WeightClassCode"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Affidavit"/> <xsd:enumeration value="House"/> <xsd:enumeration value="X"/> <xsd:enumeration value="Y"/> <xsd:enumeration value="1"/>

```
    <xsd:enumeration value="2"/>
    <xsd:enumeration value="3"/>
  </xsd:restriction>
</xsd:simpleType>
```

simpleType **WeightsToGovern**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Certified enumeration Destination Certified enumeration Destination Official enumeration Destination or Railroad enumeration First Certified enumeration First Official enumeration First Official or Certified enumeration First Official or Destination enumeration First Official or Railroad enumeration Origin Certified enumeration Origin House enumeration Origin Official
source	<xsd:simpleType name="WeightsToGovern"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Certified"/> <xsd:enumeration value="Destination Certified"/> <xsd:enumeration value="Destination Official"/> <xsd:enumeration value="Destination or Railroad"/> <xsd:enumeration value="First Certified"/> <xsd:enumeration value="First Official"/> <xsd:enumeration value="First Official or Certified"/> <xsd:enumeration value="First Official or Destination"/> <xsd:enumeration value="First Official or Railroad"/> <xsd:enumeration value="Origin Certified"/> <xsd:enumeration value="Origin House"/> <xsd:enumeration value="Origin Official"/> </xsd:restriction> </xsd:simpleType>

simpleType **WeightUnitOfMeasure**

namespace	http://www.agxml.org/schemas
type	restriction of **xsd:string**
facets	enumeration Hundred Weight enumeration Kilograms enumeration Long tons enumeration Metric tons enumeration Pounds enumeration Short tons
source	<xsd:simpleType name="WeightUnitOfMeasure"> <xsd:restriction base="xsd:string"> <xsd:enumeration value="Hundred Weight"/> <xsd:enumeration value="Kilograms"/> <xsd:enumeration value="Long tons"/> <xsd:enumeration value="Metric tons"/> <xsd:enumeration value="Pounds"/> <xsd:enumeration value="Short tons"/> </xsd:restriction> </xsd:simpleType>

14.2 Sample XML Instance Document

```
<?xml version="1.0" encoding="UTF-8" ?>
- <BillOfLading xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:noNamespaceSchemaLocation="file:///C:/AgXML/schemas/BillOfLading.xsd">
  - <BillOfLadingHeader>
      <BillOfLadingType>Straight</BillOfLadingType>
    - <BillOfLadingDateTime>
        <Date>2001-05-31</Date>
      </BillOfLadingDateTime>
      <TransportationMode>Rail</TransportationMode>
    - <PreparedBy>
      - <EntityInformation>
          <EntityName>ADM/Growmark</EntityName>
        - <Address>
            <City>Decatur</City>
            <CountryRegionCode>IL</CountryRegionCode>
          </Address>
        </EntityInformation>
      </PreparedBy>
    - <Shipper>
      - <EntityInformation>
          <EntityIdentifier>0101112</EntityIdentifier>
          <EntityName>ADM/Growmark</EntityName>
        - <Address>
            <City>Decatur</City>
            <CountryRegionCode>IL</CountryRegionCode>
          </Address>
        </EntityInformation>
      </Shipper>
    - <FreightCarrier>
      - <EntityInformation>
          <EntityName />
        </EntityInformation>
      </FreightCarrier>
    - <RailRouting>
        <RouteCarrierName>CN</RouteCarrierName>
        <RouteCarrierSequence>Origin Carrier</RouteCarrierSequence>
      </RailRouting>
    - <Consignee>
        <SequenceNumber>1</SequenceNumber>
      - <EntityInformation>
          <EntityName>ADM/Growmark</EntityName>
          <LocationName>River House</LocationName>
        - <Address>
            <AddressLine>P O Box 123</AddressLine>
            <City>Memphis</City>
            <CountryRegionCode>TN</CountryRegionCode>
            <PostalCode>12345</PostalCode>
          </Address>
        </EntityInformation>
      </Consignee>
    - <Origin>
      - <LocationInformation>
          <LocationName>ADM/Growmark</LocationName>
        - <Address>
            <City>Decatur</City>
            <CountryRegionCode>IL</CountryRegionCode>
```

```
            </Address>
          </LocationInformation>
        </Origin>
      - <Destination>
        - <LocationInformation>
            <LocationName>ADM/Growmark River House</LocationName>
          - <Address>
              <AddressLine>P O Box 123</AddressLine>
              <City>Memphis</City>
              <CountryRegionCode>TN</CountryRegionCode>
              <PostalCode>12345</PostalCode>
            </Address>
          </LocationInformation>
        </Destination>
      - <FreightPaymentTerms>
        - <FreightPaymentTerm>
            <FreightPaymentTermType>Collect</FreightPaymentTermType>
            <SequenceNumber>1</SequenceNumber>
          - <FreightPayor>
            - <EntityInformation>
                <EntityName>ADM/Growmark</EntityName>
              - <Address>
                  <AddressLine>P O Box 629</AddressLine>
                  <City>Decatur</City>
                  <CountryRegionCode>IL</CountryRegionCode>
                  <PostalCode>62525</PostalCode>
                </Address>
              </EntityInformation>
            </FreightPayor>
          </FreightPaymentTerm>
        </FreightPaymentTerms>
      - <ShipmentSize>
          <Quantity commodityUnitOfMeasure="Car Load">9</Quantity>
          <QuantityDeterminationMethod>Actual</QuantityDeterminationMethod>
        </ShipmentSize>
        <Remark>origin grades</Remark>
        <Remark>destination weights</Remark>
        <Remark>LFVC</Remark>
      </BillOfLadingHeader>
    - <BillOfLadingDetail>
      - <BillOfLadingLine>
          <SequenceNumber>1</SequenceNumber>
        - <VehicleIdentification>
            <VehicleIdentifierType>Rail Car</VehicleIdentifierType>
            <RailOrBargeAlphaPrefix>CGAX</RailOrBargeAlphaPrefix>
            <VehicleIdentifier>9125</VehicleIdentifier>
          </VehicleIdentification>
        - <CommodityInformation>
            <CommodityName>Yellow Corn</CommodityName>
            <CommodityGroup>Corn</CommodityGroup>
          </CommodityInformation>
        - <VehicleNetQuantity>
            <Quantity commodityUnitOfMeasure="Pound">208365</Quantity>
            <QuantityDeterminationMethod>Actual</QuantityDeterminationMethod>
          </VehicleNetQuantity>
        </BillOfLadingLine>
      - <BillOfLadingLine>
          <SequenceNumber>2</SequenceNumber>
        - <VehicleIdentification>
            <VehicleIdentifierType>Rail Car</VehicleIdentifierType>
```

```
            <RailOrBargeAlphaPrefix>CGEX</RailOrBargeAlphaPrefix>
            <VehicleIdentifier>1893</VehicleIdentifier>
          </VehicleIdentification>
        - <CommodityInformation>
            <CommodityName>Yellow Corn</CommodityName>
            <CommodityGroup>Corn</CommodityGroup>
          </CommodityInformation>
        - <VehicleNetQuantity>
            <Quantity commodityUnitOfMeasure="Pound">201360</Quantity>
            <QuantityDeterminationMethod>Actual</QuantityDeterminationMethod>
          </VehicleNetQuantity>
        </BillOfLadingLine>
      - <BillOfLadingLine>
          <SequenceNumber>3</SequenceNumber>
        - <VehicleIdentification>
            <VehicleIdentifierType>Rail Car</VehicleIdentifierType>
            <RailOrBargeAlphaPrefix>IC</RailOrBargeAlphaPrefix>
            <VehicleIdentifier>768916</VehicleIdentifier>
          </VehicleIdentification>
        - <CommodityInformation>
            <CommodityName>Yellow Corn</CommodityName>
            <CommodityGroup>Corn</CommodityGroup>
          </CommodityInformation>
        - <VehicleNetQuantity>
            <Quantity commodityUnitOfMeasure="Pound">201395</Quantity>
            <QuantityDeterminationMethod>Actual</QuantityDeterminationMethod>
          </VehicleNetQuantity>
        </BillOfLadingLine>
      - <BillOfLadingLine>
          <SequenceNumber>4</SequenceNumber>
        - <VehicleIdentification>
            <VehicleIdentifierType>Rail Car</VehicleIdentifierType>
            <RailOrBargeAlphaPrefix>IC</RailOrBargeAlphaPrefix>
            <VehicleIdentifier>769485</VehicleIdentifier>
          </VehicleIdentification>
        - <CommodityInformation>
            <CommodityName>Yellow Corn</CommodityName>
            <CommodityGroup>Corn</CommodityGroup>
          </CommodityInformation>
        - <VehicleNetQuantity>
            <Quantity commodityUnitOfMeasure="Pound">198375</Quantity>
            <QuantityDeterminationMethod>Actual</QuantityDeterminationMethod>
          </VehicleNetQuantity>
        </BillOfLadingLine>
      - <BillOfLadingLine>
          <SequenceNumber>5</SequenceNumber>
        - <VehicleIdentification>
            <VehicleIdentifierType>Rail Car</VehicleIdentifierType>
            <RailOrBargeAlphaPrefix>CGEX</RailOrBargeAlphaPrefix>
            <VehicleIdentifier>1157</VehicleIdentifier>
          </VehicleIdentification>
        - <CommodityInformation>
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```

```
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        </BillOfLadingLine>
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    </BillOfLading>
```

15 Glossary

Address A wrapper to all of the data elements that describe a location or address. **Schema Term Name:** Address **Notes:** 1. All-This is the parent to all of the address elements 2. All-This is the parent to all of the address elementsAllOnly one address per entity is allowed. It must indicate the address for the office who has responsibility for the contract. **Example:** All-None-wrapper **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / Address 2. Contract / ContractHeader / Buyer / EntityInformation / Address 3. Contract / ContractHeader / Seller / EntityInformation / Address 4. Contract / ContractHeader / Agent / EntityInformation / Address 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / Address 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / Address 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / Address 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address 9. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address 10. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address 11. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address

Address Line A line of information on an Address typically containing the Street, P.O Box, Mailstop, Appt, or Suite information of an address. **Schema Term Name:** AddressLine **Note:** All-this is repeatable **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / Address / AddressLine 2. Contract / ContractHeader / Buyer / EntityInformation / Address / AddressLine 3. Contract / ContractHeader / Seller / EntityInformation / Address / AddressLine 4. Contract / ContractHeader / Agent / EntityInformation / Address / AddressLine 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / Address / AddressLine 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / Address / AddressLine 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / Address / AddressLine 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / AddressLine 9. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / AddressLine 10. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / AddressLine 11. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / AddressLine

Advance A partial payment of a contract prior to final settlement from buyer to seller. **Note:** Not used in schemas-Usually 90% of contract, but can be any amount that both the buyer and seller agrees. Usually occurs after an invoice and documents received.

Agent This is a person, company, or exchange acting as an intermediary between the buyer and seller. **Schema Term Name:** Agent **Note:** All-It is a parent for all of the Agent elements. **Synonym:** All-Broker, Exchange **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractHeader / Agent 2. ContractPricing / ContractPricingHeader / Agent

Applicable Premium And Discount Schedule A wrapper for the specific discount or premium schedule name and identifier which applies to a contract. **Schema Term Name:** ApplicablePremiumAndDiscountSchedule **Notes:** 1. Contract-This is an optional field. 2. Contract-This is an optional field.ContractThis is repeatable to accommodate multiple discount/premium schedules--for example protein. **Example:** Contract-None-Wrapper **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / PremiumAndDiscountInformation / ApplicablePremiumAndDiscountSchedules / ApplicablePremiumAndDiscountSchedule

Applicable Premium And Discount Schedule Description Any description or information to further identify the Premium or Discount schedule as a whole. This is the information that will not be used for integration, but rather the textual information that is used for display or printing. **Schema Term Name:** ApplicablePremiumAndDiscountScheduleDescription **Note:** Contract-This is related to the discount schedule as a whole, whereas Premium and Discount Schedule Description is for a specific discount schedule **Schema Data Type:** string **Schema XPath:** Contract / ContractDetails / ContractDetail / PremiumAndDiscountInformation / ApplicablePremiumAndDiscountSchedules / ApplicablePremiumAndDiscountScheduleDescription

Applicable Premium And Discount Schedules A wrapper to allow for repeatable Applicable Premium And Discount Schedule. **Schema Term Name:** ApplicablePremiumAndDiscountSchedules **Notes:** 1. Contract-This differs from Premium and Discount Schedules, because this is a general commonly used industry discount schedule instead of specific quality factors. 2. Contract-This differs from Premium and Discount Schedules, because this is a general commonly used industry discount schedule instead of specific quality factors.ContractAn example of this would be SE Scales or SB2000 **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / PremiumAndDiscountInformation / ApplicablePremiumAndDiscountSchedules

Application The association of a Commodity Movement, rail car, barge, or vessel to a contract and billing slip. This is the first step in the payment and settlement process.

Application Allocation The percentage or quantity that the seller requests to have applied to a contract. Most applicable when there are splits between many contracts. **Schema Term Name:** ApplicationAllocation **Note:** Commodity Movement-The allocation can be either a quantity or percent **Example:** Commodity Movement-none-repeatable **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementBuyer / ApplicationInstruction / ApplicationAllocation 2. CommodityMovement / CommodityMovementSeller / ApplicationInstruction / ApplicationAllocation

Application Instruction This is a wrapper to the elements identifying to what contract or type of contract a specific unit identifier is to be paid and settled against. Usually defined by the seller to the buyer. If there is a split between sellers or contracts, defines what quantity or percent the Commodity Movement will be allocated across the parties. **Schema Term Name:** ApplicationInstruction **Notes:** 1. Commodity Movement-If the unit has an overfill, then there will be an additional sequence under application type. 2. Commodity Movement-If the unit has an overfill, then there will be an additional sequence under application type.Commodity MovementThere will continue to be sequences until all the quantity is accounted for. **Example:** Commodity Movement-Application sequence 1 would be to a specific contract and contract number. If the contract is filled and there is an overfill for this Commodity Movement, sequence 2 would define what to do with the balance of quantity. **Synonym:** Commodity Movement-See Definition for Disposition **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementBuyer / ApplicationInstruction 2. CommodityMovement / CommodityMovementSeller / ApplicationInstruction

Application Sequence How this unit is going to be applied to which contract in what order. **Schema Term Name:** ApplicationSequence **Notes:** 1. Commodity Movement-If there are application instructions, there must be a sequence for that application. Even if there is only one requested application. 2. Commodity Movement-If there are application instructions, there must be a sequence for that application. Even if there is only one requested application.Commodity MovementThis is the actual number: 1, 2, 3. **Example:** Commodity Movement-1, 2, 3 **Schema Data Type:** integer **Schema XPaths:** 1. CommodityMovement / CommodityMovementBuyer / ApplicationInstruction / ApplicationSequence 2. CommodityMovement / CommodityMovementSeller / ApplicationInstruction / ApplicationSequence

Application Type The type of buyer contract that the seller would like to have the Commodity Movement applied and settled against. **Schema Term Name:** ApplicationType **Note:** Commodity Movement-An enumerated list **Example:** Commodity Movement-Open Contract, Deferred Price, Hold/Unapplied **Schema Data Type:** ApplicationType: Deferred Price, Grain Bank, Hold Payment, Open Contract, Specific Contract, Spot End of Day, Spot Immediate, Storage, Warehouse Receipt, Unapplied/Hold **Schema XPaths:** 1. CommodityMovement / CommodityMovementBuyer / ApplicationInstruction / ApplicationType 2. CommodityMovement / CommodityMovementSeller / ApplicationInstruction / ApplicationType

Average Quality This is the average allowable value for a specific quality term. If the grade factor falls below or above this value, a premium or discount will apply. **Schema Term Name:** AverageQuality **Note:** Contract-This is a numeric value or percentage. This may be a mandatory field, depending on what other fields and data are given under quality tolerance. **Example:** 14.0% or 2.0- **Synonym:** all-Grade Factor Min **Schema Data Type:** decimal **Schema XPath:** AverageQuality

Basis Location Market An enumerated list of regions and markets where grain trades. A region where the ownership of grain changes hands, instead of a specific city. **Schema Term Name:** BasisLocationMarket **Note:** Contracts-See definition for Basis Point Market

Basis Point Information This is a wrapper for where the Basis Price and Delivery Basis are set. This will effect the contract price and will tie in closely with transportation. **Schema Term Name:** BasisPointInformation **Note:** Contract-This is a mandatory field. Trading practices will allow us to enumerate the market . If a specific origin or destination are required beyond the Basis Location, that goes into special terms, for example-Basis Location is Columbus, OH with a central Ohio origin. The contract will have either a market or a physical facility. **Example:** Contract-None-wrapper **Synonym:** Contract-Basing Location or Delivery Location **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / BasisPointInformation

Basis Point Location Information A wrapper for the physical location. It contains location name and address at which ownership transfers. This will include the address elements plus Basis Point Location Name. **Schema Term Name:** BasisPointLocationInformation **Note:** This will typically be a physical facility.- **Example:** Contract-None-wrapper **Schema Data Type:** wrapper **Schema XPath:** BasisPointLocationInformation

Basis Point Market A region or traditional basing point for which the price is established and ownership transfers in a contract. **Schema Term Name:** BasisPointMarket **Note:** Contract-This will be enumerated based on trading practices and principles. **Example:** Contract-Chicago and Beyond **Schema Data Type:** BasisLocationMarket: Atlantic Port, Cedar River Railroad, Central Kansas, Chicago for Beyond, Chicago including Burns Harbor, Columbus for Beyond, Columbia River District including Portland, Columbia River District including Portland sellers option Pudget Sound District, Commodity Credit Corporation, Duluth/Superior, East Texas Plains, Evansville for Beyond, Great Lakes, Hanford/Tulare/Visalia, Houston/Galveston/Beaumont, Illinois Central Gulf, Illinois River North, Iowa & Minnesota Rail Link, Kansas City, Kansas City for Beyond, Lower Mississippi River, Lower Ohio River, Mid-Bridge Brownsville, Mid-Bridge Eagle Pass, Mid-Bridge Laredo, Mid-Bridge Nogales, Mid-Bridge Presideo, Mid-Mississippi River, Minneapolis/Duluth, Mississippi River, Mississippi River Excluding Baton Rouge, Modesto/Oakdale/Turlock, North Kansas, North Texas Plains, Northeast Colorado, Ohio River, Pacific Northwest, Pudget Sound District, South Kansas, South Texas Plains, Southcentral Kansas, Southeast Colorado, Southeast Processors, Southwest Kansas, Stockton/San Joaquin Valley, Tennessee River, Texas Gulf, Texas Gulf Excluding Brownsville, Toledo/Maumee, Track Nebraska, Upper Mississippi River, Upper Ohio River, Union Pacific Group 3, Union Pacific Group 6, Union Pacific Group 9, United States Center Gulf, United States Gulf, United States Louisiana Gulf, Washington Courthouse, Western Kansas **Schema XPath:** BasisPointMarket

Basis Price The difference in the futures price and the flat price for any contract. **Schema Term Name:** BasisPrice **Note:** Contract-Follows the price element form. This is an optional field. If this field is defined, then Future Commodity Code, Futures Month, Future Year, and Futures Exchange Code must be defined. If the Price Type is Basis, this field needs to have a value. **Example:** Contract-None-Wrapper **Synonym:** Contract-Freight Basis **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / PriceInformation / BasisPrice 2. ContractPricing / ContractPricingDetail / PriceInformation / BasisPrice 3. ContractPricing / ContractPricingDetail / OriginalPriceInformation / BasisPrice

Batch Indicator This is a flag to show if the certificate is for multiple vehicles. **Schema Term Name:** BatchIndicator **Notes:** 1. Weight Certificate-For a batch weight certificate, there will be only 1 weight, but each of the car numbers being weighed will be listed individually under vehicle identification. 2. Weight Certificate-For a batch weight certificate, there will be only 1 weight, but each of the car numbers being weighed

will be listed individually under vehicle identification.Quality CertificateFor a batch weight certificate, there will be only 1 weight, but each of the car numbers being weighed will be listed individually under vehicle identification. **Example:** Weight Certificate-True **Schema Data Type:** boolean **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / BatchIndicator 2. BatchIndicator 3. WeightCertificate / WeightCertificateHeader / BatchIndicator

Beginning Date This is the first date of a date range. One use will be for contract delivery period. **Schema Term Name:** BeginningDate **Notes:** 1. Contract-YYYY-MM-DD format. This is a mandatory field due to Grain Trade Rules. 2. Contract-YYYY-MM-DD format. This is a mandatory field due to Grain Trade Rules.ContractThe first date that the buyer will accept shipment of grain to apply against this contract. **Example:** 2001-12-27- **Synonym:** Contract-shipment period **Schema Data Type:** date **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / ShipmentOrDeliveryPeriod / BeginningDate 2. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ShipmentOrDeliveryPeriod / BeginningDate

Bill Of Lading Shipment document used to provide instructions to the transportation carrier, while also representing title to the cargo for the buyers and sellers. A waybill is a synonym for the bill of lading. **Abbreviation:** BOL **Schema Term Name:** BillOfLading **Schema Data Type:** wrapper **Schema XPath:** BillOfLading

Bill Of Lading Date Time A wrapper for the date and time that the bill of lading was issued. Typically on rail, it is the date the cars have finished loading, and are released back to the railroad. It may or may not be the date the unit(s) were actually loaded. For truck, it is commonly termed "Load Date". **Schema Term Name:** BillOfLadingDateTime **Note:** Bill of Lading-See NOPA and NGFA trade rules for requirements establishing time of shipment were applicable. **Synonym:** Bill of Lading-Date of Shipment **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / BillOfLadingDateTime

Bill Of Lading Detail A wrapper for the elements of a Bill of Lading **Schema Term Name:** BillOfLadingDetail **Example:** Bill of Lading-None-wrapper **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingDetail

Bill Of Lading Header A wrapper containing the header information for the bill of lading. These elements apply to the entire bill of lading document. This includes bill of lading identifier, bill of lading type, transportation agent, transportation mode, shipper, and freight carrier. **Schema Term Name:** BillOfLadingHeader **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader

Bill Of Lading Identification A wrapper of data elements that identify the bill of lading used as a shipment ID. **Schema Term Name:** BillOfLadingIdentification **Note:** Bill of lading-Made optional because of no shipment ID on many barge ladings **Example:** Bill of lading-None-wrapper **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / BillOfLadingIdentification

Bill Of Lading Identifier The identifier of the Bill Of Lading. **Schema Term Name:** BillOfLadingIdentifier **Schema Data Type:** string **Schema XPath:** BillOfLading / BillOfLadingHeader / BillOfLadingIdentification / BillOfLadingIdentifier

Bill Of Lading Identifier Type The kind of Bill Of Lading Identifier. For example: Agent, shipper, waybill or lading number. The waybill # is assigned by the carrier, and is usually used by the carrier as their internal tracking number. **Schema Term Name:** BillOfLadingIdentifierType **Schema Data Type:** BillOfLadingIdentifierType: Agent, Delivery, Shipper, Waybill or Lading **Schema XPath:** BillOfLading / BillOfLadingHeader / BillOfLadingIdentification / BillOfLadingIdentifierType

Bill Of Lading Line A wrapper which contains each line of the detail portion of the lading (car#, weight, permit, etc) **Schema Term Name:** BillOfLadingLine **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingDetail / BillOfLadingLine

Bill Of Lading Type The kind of Bill of Lading. For example: Straight or Order. A delivery order is considered a separate document that is attached to lading and can be referenced in the "Document" section of the Bill of Lading. **Schema Term Name:** BillOfLadingType **Schema Data Type:** BillOfLadingType: Order, Straight **Schema XPath:** BillOfLading / BillOfLadingHeader / BillOfLadingType

Buyer This is the person or company purchasing the commodity. **Schema Term Name:** Buyer **Notes:** 1. All-It is a parent for all of the buyer elements. 2. All-It is a parent for all of the buyer elements.AllChapter 1 of NOPA Trade Rules outline buyer's obligation. **Example:** All-None-wrapper **Synonym:** Purchaser, Customer- **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractHeader / Buyer 2. ContractPricing / ContractPricingHeader / Buyer

Buyers Sellers Call This defines if the quantity tolerance is at the discretion of the buyer or seller. **Schema Term Name:** BuyerSellerCall **Note:** Contract-This is an optional field and enumerated list. **Example:** Contract-Buyer, Seller **Schema Data Type:** BuyerSellerCall: Buyer, Seller **Schema XPath:** Contract / ContractDetails / ContractDetail / QuantityToleranceInformation / BuyerSellerCall

City The name of a finer partitioning of geographic subdivisions of a state or county, usually associated with additional levels of government. **Schema Term Name:** City **Note:** All-This is a mandatory field. **Example:** All-Indianapolis **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / Address / City 2. Contract / ContractHeader / Buyer / EntityInformation / Address / City 3. Contract / ContractHeader / Seller / EntityInformation / Address / City 4. Contract / ContractHeader / Agent / EntityInformation / Address / City 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / Address / City 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / Address / City 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / Address / City 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / City 9. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / City 10. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom /

LocationInformation / Address / City 11. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / City

Commercial Is a large grain company--not an elevator or producer.

Commodity Class This is a further classification of the commodity based on the Standards Authority classification standards. **Schema Term Name:** CommodityClass **Note:** All-This is optional. This may repeat information that is in the commodity name. **Example:** All-Malting Barley, Mixed, Soft Red Winter, Soft White, Sorghum, Tannin, Unclassed, White, Yellow **Schema Data Type:** CommodityClass: Barley, Durum Wheat, Hard Red Spring Wheat, Hard Red Winter Wheat, Hard White Wheat, Malting Barley, Mixed Corn, Mixed Sorghum, Mixed Soybeans, Mixed Wheat, Soft Red Winter Wheat, Soft White Wheat, Sorghum, Tannin Sorghum, Unclassed Wheat, White Corn, White Sorghum, Yellow Corn, Yellow Soybeans **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityInformation / CommodityClass 2. Contract / ContractDetails / ContractDetail / ContractCommodityInformation / CommodityClass 3. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation / CommodityClass 4. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityClass 5. QualityCertificate / QualityCertificateHeader / CommodityInformation / CommodityClass 6. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityClass

Commodity Group Highest level grouping of similar or like commodities. **Schema Term Name:** CommodityGroup **Schema Data Type:** CommodityGroup: Barley, Canola, Corn, Flaxseed, Mixed Grain, Non-standardized Grain, Oats, Rye, Sorghum, Soybeans, Sunflower Seeds, Triticale, Wheat **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityInformation / CommodityGroup 2. Contract / ContractDetails / ContractDetail / ContractCommodityInformation / CommodityGroup 3. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation / CommodityGroup 4. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityGroup 5. QualityCertificate / QualityCertificateHeader / CommodityInformation / CommodityGroup 6. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityGroup

Commodity Information Commodity Information definition. **Schema Term Name:** CommodityInformation **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityInformation 2. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation 3. QualityCertificate / QualityCertificateHeader / CommodityInformation 4. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation

Commodity Location A grouping of data elements that identify where the commodity is located at the time of the service. **Schema Term Name:** CommodityLocation **Note:** Commodity Movement-In case of track scale weights, it may be the railroad organization and location. **Example:** all-none-wrapper **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / CommodityLocation 2. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityLocation 3. QualityCertificate / QualityCertificateHeader / CommodityLocation 4. WeightCertificate / WeightCertificateHeader / CommodityLocation

Commodity Movement This pulls together weight, grade, origin, and destination information into one schema to track the life cycle of a unit for one specific moment in time. **Schema Term Name:** CommodityMovement **Notes:** 1. Commodity Movement-This was added to meet the need of truck tickets. 2. Commodity Movement-This was added to meet the need of truck tickets.Commodity MovementThis could be used for either a "truck ticket" or "rail pre-advise" 3. Commodity Movement-This was added to meet the need of truck tickets.Commodity MovementThis could be used for either a "truck ticket" or "rail pre-advise"Commodity MovementA bill of lading, grade, and wt cert could be coupled with this schema to give the entire picture of the delivery of the grain. 4. Commodity Movement-This was added to meet the need of truck tickets.Commodity MovementThis could be used for either a "truck ticket" or "rail pre-advise"Commodity MovementA bill of lading, grade, and wt cert could be coupled with this schema to give the entire picture of the delivery of the grain.Commodity MovementA 50 car train, will have 50 Commodity Movements. 5. Commodity Movement-This was added to meet the need of truck tickets.Commodity MovementThis could be used for either a "truck ticket" or "rail pre-advise"Commodity MovementA bill of lading, grade, and wt cert could be coupled with this schema to give the entire picture of the delivery of the grain.Commodity MovementA 50 car train, will have 50 Commodity Movements.Commodity MovementYou may receive a Commodity Movement several times as information is updated and shared with trading partners. 6. Commodity Movement-This was added to meet the need of truck tickets.Commodity MovementThis could be used for either a "truck ticket" or "rail pre-advise"Commodity MovementA bill of lading, grade, and wt cert could be coupled with this schema to give the entire picture of the delivery of the grain.Commodity MovementA 50 car train, will have 50 Commodity Movements.Commodity MovementYou may receive a Commodity Movement several times as information is updated and shared with trading partners.Commodity MovementThe term movement applies to both the physical movement of grain into or out of inventory and the movement of commodity ownership between two trading parties. **Synonym:** Commodity Movement-Ticket, rail pre-advise **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement

Commodity Movement Actual Quality Information The wrapper to hold all of the quality certificate information in the Commodity Movement **Schema Term Name:** CommodityMovementActualQualityInformation **Note:** Comm. Movement-The entire data structure for the quality certificate in included in the commodity movement **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation

Commodity Movement Actual Weight Information The wrapper to hold all of the weight certificate information in the Commodity Movement **Schema Term Name:** CommodityMovementActualWeightInformation **Note:** Commodity Movement-The entire data structure for the weight certificate is included in the commodity movement **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation

Commodity Movement Buyer A wrapper for all of the buyer information within the Commodity Movement **Schema Term Name:** CommodityMovementBuyer **Notes:** 1. Commodity Movement-This would match the seller on the contract. 2. Commodity Movement-This would match the seller on the contract.Commodity MovementThis would not be the farmer or shipper on the commodity movement, but who ownership is transferring from. 3. Commodity Movement-This would match the seller on the contract.Commodity MovementThis would not be the farmer or shipper on the commodity movement, but who ownership is transferring from.Commodity MovementThe farm name would be under the origin information as an entity name. **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement / CommodityMovementBuyer

Commodity Movement Create Date Time The date and time that the Commodity Movement is originally created in the originating system. **Schema Term Name:** CommodityMovementCreateDateTime **Note:** Comm. Movement-This date and time should be the same for all of additions to the commodity movement. The date and time will not change as the status changes. **Schema Data Type:** dateTime **Schema XPath:** CommodityMovement / CommodityMovementCreateDateTime

Commodity Movement Identifier A specific number or code to define one specific truck, barge, rail car. This is not an identifier for the grouping of many to one consolidated document. This is an internally created number to identify a specific load of grain. **Schema Term Name:** CommodityMovementIdentifier **Notes:** 1. Commodity Movement-Who ever the originator is will add their identifier to the schema and they may also add the other party's identifier. 2. Commodity Movement-Who ever the originator is will add their identifier to the schema and they may also add the other party's identifier.Commodity MovementThis is on the individual car, truck, barge level--not a grouping **Synonyms:** 1. Commodity Movement-Scale Ticket number 2. Commodity Movement-Scale Ticket numberCommodity MovementRail Car number **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityMovementIdentifier 2. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityMovementIdentifier 3. QualityCertificate / QualityCertificateHeader / CommodityMovementIdentifier 4. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityMovementIdentifier

Commodity Movement Last Update Date Time Marks the last time the Commodity Movement was updated with information as the commodity movement status changes **Schema Term Name:** CommodityMovementLastUpdateDateTime **Note:** commodity movement-Whereas the Commodity Movement Create Date Time will not change as the status changes, this will. **Schema Data Type:** dateTime **Schema XPath:** CommodityMovement / CommodityMovementLastUpdateDateTime

Commodity Movement Quality Information A wrapper for the quality certificate and quality instructions. This includes how the grades are taken and the actual quality information. This allows the quality information to be shared between trading partners and group in one document. **Schema Term Name:** CommodityMovementQualityInformation **Note:** Commodity Movement-This is on the individual vehicle level. **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement / CommodityMovementQualityInformation

Commodity Movement Quality Instruction Information The service event and official category of the grades. **Schema Term Name:** CommodityMovementQualityInstructionInformation **Note:** Commodity Movement-See the definitions for Service Event and Service Official Category. **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement / CommodityMovementQualityInformation / CommodityMovementQualityInstructionInformation

Commodity Movement Seller A wrapper for all of the seller information within the Commodity Movement. The seller(s) of the Commodity Movement. This may be different from the farm name. **Schema Term Name:** CommodityMovementSeller **Note:** Commodity Movement-We allow multiple sellers because a specific unit may be split between many sellers. **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement / CommodityMovementSeller

Commodity Movement Status The term that defines what information is contained within the Commodity Movement and what information is yet to be included. Gives and indication of the what phase of the lifecycle and what information is know about the unit. **Schema Term Name:** CommodityMovementStatus **Notes:** 1. Commodity Movement-This will be used in conjunction with Commodity Movement Type to understand what information is coming into the schema. The inbound and outbound give a context. 2. Commodity Movement-This will be used in conjunction with Commodity Movement Type to understand what information is coming into the schema. The inbound and outbound give a context.Commodity MovementWhen the Commodity Movement comes in this will be a queue of which information needs to be validated. 3. Commodity Movement-This will be used in conjunction with Commodity Movement Type to understand what information is coming into the schema. The inbound and outbound give a context.Commodity MovementWhen the Commodity Movement comes in this will be a queue of which information needs to be validated.Commodity MovementAn agreement between the parties would have to take place to outline what information needs to be transferred to label the schema information as "complete". 4. Commodity Movement-This will be used in conjunction with Commodity Movement Type to understand what information is coming into the schema. The inbound and outbound give a context.Commodity MovementWhen the Commodity Movement comes in this will be a queue of which information needs to be validated.Commodity MovementAn agreement between the parties would have to take place to outline what information needs to be transferred to label the schema information as "complete".Commodity MovementThis schema is not appropriate for rail car lists for v1 release. This will be included in future phases of AgXML. **Example:** Commodity Movement-Disposition, Weights, Grades, Complete **Schema Data Type:** CommodityMovementStatus: Complete Notification, Disposition Notification, Quality Notification, Weight and Quality Notification, Weight Notification **Schema XPath:** CommodityMovement / CommodityMovementStatus

Commodity Movement Type Defines if the Commodity Movement is inbound, outbound, or in store. This tells us if this is adding to, taking away, or not effecting from inventory. **Schema Term Name:** CommodityMovementType **Notes:** 1. Commodity Movement-This is an enumerated list. 2. Commodity Movement-This is an enumerated list.Commodity MovementPaper-trade will be used for a commodity not taken into inventory. **Schema Data Type:** CommodityMovementType: Inbound, In-store, Outbound, Paper Trade **Schema XPath:** CommodityMovement / CommodityMovementType

Commodity Movement Weight Information Wrapper for the weight information of a Commodity Movement. This includes the how the weights were taken and the actual weight information. **Schema Term Name:** CommodityMovementWeightInformation **Note:**

Commodity Movement-This is on the individual vehicle level **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement / CommodityMovementWeightInformation

Commodity Movement Weight Instruction Information The service event and official category of the weights. **Schema Term Name:** CommodityMovementWeightInstructionInformation **Note:** Commodity Movement-See the definitions for Service Event and Service Official Category. **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement / CommodityMovementWeightInformation / CommodityMovementWeightInstructionInformation

Commodity Name The long name of the commodity as used by the standards authority. It is the lowest common denominator between together class and subclass **Schema Term Name:** CommodityName **Notes:** 1. all-This is a mandatory field. This field can be enumerated. 2. all-This is a mandatory field. This field can be enumerated.Bill of ladingNote text. **Example:** all-Barley, Canola, Corn, Flaxseed, Mixed Grain **Synonym:** All-Kind of grain, grain **Schema Data Type:** CommodityName: Amber Durum Wheat, Barley, Blue Malting Barley, Canola, Dark Northern Spring Wheat, Durum Wheat, Flaxseed, Hard Amber Durum Wheat, Hard Red Spring Wheat, Hard Red Winter Wheat, Hard White Wheat, Mixed Corn, Mixed Grain, Mixed Sorghum, Mixed Soybeans, Mixed Wheat, Northern Spring Wheat, Oats, Red Spring Wheat, Rye, Six Rowed Barley, Six Rowed Malting Barley, Six Rowed Blue Malting Barley, Soft Red Winter Wheat, Soft White Wheat, Sorghum, Sunflower Seed, Tannin Sorghum, Triticale, Two Rowed Barley, Two Rowed Malting Barley, Western White Wheat, White Club Wheat, White Corn, White Sorghum, White Wheat, Yellow Corn, Yellow Soybeans **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityInformation / CommodityName 2. Contract / ContractDetails / ContractDetail / ContractCommodityInformation / CommodityName 3. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation / CommodityName 4. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityName 5. QualityCertificate / QualityCertificateHeader / CommodityInformation / CommodityName 6. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityName

Commodity Name Code This is the standard code assigned to the contracted commodity by the Standards Authority. The commodity code and commodity name must correspond based on the standards authority. **Schema Term Name:** CommodityNameCode **Note:** All-This is a mandatory field. This is NOT the futures commodity code. **Example:** All-HRW **Synonym:** All-Grain Code **Schema Data Type:** CommodityNameCode: ADU, BLMB, BLY, DNS, DU, FLAX, HADU, HDWH, HRS, HRW, K, N, NS, O, RS, RYE, S, SF, SRB, SRBM, SRMB, SRW, SWH, TANS, TRIT, TRB, TRMB, WHCB, WHC, WHS, WW, WWH, XC, XGR, XS, XSB, XWHT, YC, YSB **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityInformation / CommodityNameCode 2. Contract / ContractDetails / ContractDetail / ContractCommodityInformation / CommodityNameCode 3. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation / CommodityNameCode 4. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityNameCode 5. QualityCertificate / QualityCertificateHeader / CommodityInformation / CommodityNameCode 6. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityNameCode

Commodity Owner A wrapper of data elements that identify the Entity name and Address of who legally owns the commodity. **Schema Term Name:** CommodityOwner **Note:** All-This is used in the Commodity Movement, Quality Certificate, Weight Certificate **Example:** all-none-wrapper **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityOwner 2. WeightCertificate / WeightCertificateHeader / CommodityOwner

Commodity Special Grade Special classification of grade of commodity based on grade factor as defined by the standards authority. **Schema Term Name:** CommoditySpecialGrade **Notes:** 1. All-This is an enumerated field. Do not want to include special grades that are beyond USDA special factors. This is an optional field. 2. All-This is an enumerated field. Do not want to include special grades that are beyond USDA special factors. This is an optional field.ContractIf does fall beyond USDA special grade, then define under quality terms in contract. **Example:** Contract-Bright **Schema Data Type:** CommoditySpecialGrade: Bleached, Blighted, Bright, Ergoty, Extra Heavy, Flint, Flint & Dent, Garlicky, Heavy, Infested, Light Garlicky, Light Smutty, Plump, Purple Mottled or Stained, Smutty, Thin, Treated, Waxy **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityInformation / CommoditySpecialGrade 2. Contract / ContractDetails / ContractDetail / ContractCommodityInformation / CommoditySpecialGrade 3. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation / CommoditySpecialGrade 4. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommoditySpecialGrade 5. QualityCertificate / QualityCertificateHeader / CommodityInformation / CommoditySpecialGrade 6. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommoditySpecialGrade

Commodity Standard Grade This is the standard alpha numeric grade based on the commodity and Standards Authority. **Schema Term Name:** CommodityStandardGrade **Notes:** 1. Contract-This is many times based on historical trading practices. It will correspond very closely to the quality terms contracted. This is a manual field. 2. Contract-This is many times based on historical trading practices. It will correspond very closely to the quality terms contracted. This is a manual field.ContractCurrently basing enumeration on USDA standards, need to do additional research for Canada. **Example:** Contract-U.S. No. 1,U.S. No. 2, sample grade (must be in this format) **Synonym:** All-Quality **Schema Data Type:** CommodityStandardGrade: U.S. No 1, U.S. No 2, U.S. No 3, U.S. No 4, U.S. No 5, U.S. Sample **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityInformation / CommodityStandardGrade 2. Contract / ContractDetails / ContractDetail / ContractCommodityInformation / CommodityStandardGrade 3. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation / CommodityStandardGrade 4. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityStandardGrade 5. QualityCertificate / QualityCertificateHeader /

CommodityInformation / CommodityStandardGrade 6. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityStandardGrade

Commodity Standard Grade Optional Designation This identifies that the delivered commodity can be a specific numeric grade or better to apply to contract. **Schema Term Name:** CommodityStandardGradeOptionalDesignation **Note:** Contracts-This will be used primarily for export contracts, domestic contracts are assumed to have or better grade applicable to a contract. This is an optional field. **Example:** Contract-Or Better **Schema Data Type:** Or Better **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityInformation / CommodityStandardGradeOptionalDesignation 2. Contract / ContractDetails / ContractDetail / ContractCommodityInformation / CommodityStandardGradeOptionalDesignation 3. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation / CommodityStandardGradeOptionalDesignation 4. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityStandardGradeOptionalDesignation 5. QualityCertificate / QualityCertificateHeader / CommodityInformation / CommodityStandardGradeOptionalDesignation 6. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityStandardGradeOptionalDesignation

Commodity Standards Authority Code This is the organization or trade group that has jurisdiction over grade and commodity standards based on commodity and region. **Schema Term Name:** CommodityStandardsAuthorityCode **Notes:** 1. All-This is an element under Commodity Information. This is an optional field due to the fact that not all commodities have an authority. 2. All-This is an element under Commodity Information. This is an optional field due to the fact that not all commodities have an authority.AllFor those quality terms that are not defined by the USDA, choose "industry" from the enumeration. 3. All-This is an element under Commodity Information. This is an optional field due to the fact that not all commodities have an authority.AllFor those quality terms that are not defined by the USDA, choose "industry" from the enumeration.AllFor those codes not defined by the USDA or an organized governing body, the commodity code is the quality term name. 4. All-This is an element under Commodity Information. This is an optional field due to the fact that not all commodities have an authority.AllFor those quality terms that are not defined by the USDA, choose "industry" from the enumeration.AllFor those codes not defined by the USDA or an organized governing body, the commodity code is the quality term name.AllGIPSA is the enumeration due to organization changes in the USDA, they have jurisdiction over grain and oilseed commodities. **Example:** All-GIPSA **Synonym:** All-Grade Standards or Grain Standards **Schema Data Type:** CommodityStandardsAuthorityCode: GIPSA, Industry **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityInformation / CommodityStandardsAuthorityCode 2. BillOfLading / BillOfLadingDetail / BillOfLadingLine / QualityInformation / CommodityStandardsAuthorityCode 3. Contract / ContractDetails / ContractDetail / ContractQualityInformation / QualityTerms / QualityTerm / CommodityStandardsAuthorityCode 4. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation / CommodityStandardsAuthorityCode 5. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityStandardsAuthorityCode 6. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation / CommodityStandardsAuthorityCode 7. QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation / CommodityStandardsAuthorityCode 8. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommodityStandardsAuthorityCode

Commodity Sub Class Further classification of contracted commodity class based on the Standards Authority classification guidelines. **Schema Term Name:** CommoditySubClass **Note:** All-This is an optional field. This can be enumerated. This may repeat information that is in the commodity name. **Example:** All-Amber, Dark Northern, Durum, Hard Amber, Northern, Red Spring, Six-rowed, Six-rowed Blue **Schema Data Type:** CommoditySubClass: Amber Durum Wheat, Barley, Dark Northern Spring Wheat, Durum Wheat, Hard Amber Durum Wheat, Northern Spring Wheat, Red Spring Wheat, Six-rowed Barley, Six-rowed Blue Malting Barley, Six-rowed Malting Barley, Soft White Wheat, Two-rowed Barley, Two-rowed Malting Barley, White Club Wheat, Western White Wheat **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityInformation / CommoditySubClass 2. Contract / ContractDetails / ContractDetail / ContractCommodityInformation / CommoditySubClass 3. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation / CommoditySubClass 4. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommoditySubClass 5. QualityCertificate / QualityCertificateHeader / CommodityInformation / CommoditySubClass 6. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / CommoditySubClass

Commodity Unit of Measure A fundamental unit adopted in any system of weights or measures and which is itself defined by comparison with some known magnitude. This includes both volume and weight terms. **Schema Term Name:** CommodityUnitOfMeasure **Note:** All-this is an enumerated list **Example:** All-Truck, Rail Car, Vessel, Pounds, Hundred Weight

Commodity Variety This is the specific seed variety or variety trait. **Schema Term Name:** CommodityVariety **Note:** All-This is outside the authority of the jurisdiction Standards Authority. It needs to be a specific name and number or variety characteristic. This will be used more as more specialty grains are contracted. Contract--This is an optional and repeatable field.

Shipments--This is not applicable to any of the shipments documents and so is not included in any of the shipment schemas **Example:** All-Pioneer 2345, Non-GMO, STS **Schema Data Type:** string **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / ContractCommodityInformation / CommodityVariety 2. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation / CommodityVariety

Communication Code A specific contact number or address to communicate between parties. **Schema Term Name:** CommunicationCode **Note:** All-This could be a phone number or e-mail address. **Example:** All-934-291-2001, www.agxml.org **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / ContactInformation / CommunicationInformation / CommunicationCode 2. Contract / ContractHeader / Buyer / ContactInformation / CommunicationInformation / CommunicationCode 3. Contract / ContractHeader / Seller / ContactInformation / CommunicationInformation /

CommunicationCode 4. Contract / ContractHeader / Agent / ContactInformation / CommunicationInformation / CommunicationCode 5. ContractPricing / ContractPricingHeader / Buyer / ContactInformation / CommunicationInformation / CommunicationCode 6. ContractPricing / ContractPricingHeader / Seller / ContactInformation / CommunicationInformation / CommunicationCode 7. ContractPricing / ContractPricingHeader / Agent / ContactInformation / CommunicationInformation / CommunicationCode 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation / CommunicationInformation / CommunicationCode 9. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation / CommunicationInformation / CommunicationCode 10. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation / CommunicationInformation / CommunicationCode 11. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation / CommunicationInformation / CommunicationCode 12. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation / CommunicationInformation / CommunicationCode 13. QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation / CommunicationInformation / CommunicationCode 14. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation / CommunicationInformation / CommunicationCode 15. WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation / CommunicationInformation / CommunicationCode

Communication Information Contact information to communicate between parties. A wrapper element that includes the Communication Code and the Communication Method to share **Schema Term Name:** CommunicationInformation **Example:** All-none-wrapper **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / ContactInformation / CommunicationInformation 2. Contract / ContractHeader / Buyer / ContactInformation / CommunicationInformation 3. Contract / ContractHeader / Seller / ContactInformation / CommunicationInformation 4. Contract / ContractHeader / Agent / ContactInformation / CommunicationInformation 5. ContractPricing / ContractPricingHeader / Buyer / ContactInformation / CommunicationInformation 6. ContractPricing / ContractPricingHeader / Seller / ContactInformation / CommunicationInformation 7. ContractPricing / ContractPricingHeader / Agent / ContactInformation / CommunicationInformation 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation / CommunicationInformation 9. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation / CommunicationInformation 10. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation / CommunicationInformation 11. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation / CommunicationInformation 12. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation / CommunicationInformation 13. QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation / CommunicationInformation 14. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation / CommunicationInformation 15. WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation / CommunicationInformation

Communication Method An enumerated list describing what of the kind of information in the Communication Code. **Schema Term Name:** CommunicationMethod **Example:** All-Desk Phone, Email, Fax, FTP Site, URL **Schema Data Type:** CommunicationMethod: Cell Phone, Desk Phone, Email, Fax, FTP Site, Pager, Telex, URL **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / ContactInformation / CommunicationInformation / CommunicationMethod 2. Contract / ContractHeader / Buyer / ContactInformation / CommunicationInformation / CommunicationMethod 3. Contract / ContractHeader / Seller / ContactInformation / CommunicationInformation / CommunicationMethod 4. Contract / ContractHeader / Agent / ContactInformation / CommunicationInformation / CommunicationMethod 5. ContractPricing / ContractPricingHeader / Buyer / ContactInformation / CommunicationInformation / CommunicationMethod 6. ContractPricing / ContractPricingHeader / Seller / ContactInformation / CommunicationInformation / CommunicationMethod 7. ContractPricing / ContractPricingHeader / Agent / ContactInformation / CommunicationInformation / CommunicationMethod 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation / CommunicationInformation / CommunicationMethod 9. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation / CommunicationInformation / CommunicationMethod 10. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation / CommunicationInformation / CommunicationMethod 11. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation / CommunicationInformation / CommunicationMethod 12. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation / CommunicationInformation / CommunicationMethod 13. QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation / CommunicationInformation / CommunicationMethod 14. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation / CommunicationInformation / CommunicationMethod 15. WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation / CommunicationInformation / CommunicationMethod

Condition Exists Flag True or False flag used within the quality factor measurements to determine if a quality factor exists. **Schema Term Name:** ConditionExistsFlag **Note:** All-This is used for those quality factors that do not have a specific measurement, i.e. Musty. **Example:** Quality Certificate-This would be true if the sample was musty. **Schema Data Type:** boolean **Schema XPaths:** 1. ConditionExistsFlag 2. ConditionExistsFlag 3. ConditionExistsFlag 4. ConditionExistsFlag

Consigned To The Organization, Address and Contacts for the buyer on the contract in a bill of lading. **Schema Term Name:** ConsignedTo **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / ExportRoles / ConsignedTo

Consignee The Entity Name, Address, and Contacts for the buyer(s). Specified in sequence. Receiver of the commodity. Synonym is also the "notify party" on barge ladings. **Schema Term Name:** Consignee **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / Consignee

Contact Information This a wrapper identifying a person and a way to contact him or her. **Schema Term Name:** ContactInformation **Note:** All-These are optional and repeatable. This could include e-mail addresses, phone number, fax number. **Example:** All-none-wrapper **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / ContactInformation 2. Contract / ContractHeader / Buyer / ContactInformation 3. Contract / ContractHeader / Seller / ContactInformation 4. Contract / ContractHeader / Agent / ContactInformation 5. ContractPricing / ContractPricingHeader / Buyer / ContactInformation 6. ContractPricing / ContractPricingHeader / Seller / ContactInformation 7. ContractPricing / ContractPricingHeader / Agent / ContactInformation 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation 9. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation 10. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation 11. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation 12. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation 13. QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation 14. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation 15. WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation

Contact Name An organization or person listed as a contact in a specific document. **Schema Term Name:** ContactName **Note:** All-This is optional. One use of this would include the name of the agent that brokered the contract or the shipper. **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / ContactInformation / ContactName 2. Contract / ContractHeader / Buyer / ContactInformation / ContactName 3. Contract / ContractHeader / Seller / ContactInformation / ContactName 4. Contract / ContractHeader / Agent / ContactInformation / ContactName 5. ContractPricing / ContractPricingHeader / Buyer / ContactInformation / ContactName 6. ContractPricing / ContractPricingHeader / Seller / ContactInformation / ContactName 7. ContractPricing / ContractPricingHeader / Agent / ContactInformation / ContactName 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation / ContactName 9. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation / ContactName 10. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation / ContactName 11. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation / ContactName 12. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation / ContactName 13. QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation / ContactName 14. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation / ContactName 15. WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation / ContactName

Contract A legally binding agreement between a buyer and seller for the transference of a quantity of a commodity for a specified price given a specific set of terms. A contract may also be negotiated by an agent or third party. **Schema Term Name:** Contract **Notes:** 1. Contract-Chapter 1 of NOPA and NGFA trade rules both outline the requirements for a grain or oilseed contract. 2. Contract-Chapter 1 of NOPA and NGFA trade rules both outline the requirements for a grain or oilseed contract.ContractThe scope of the contracts are only those contracts which the ownership has transferred from one party to another. Storage and Warehouse Receipt contracts are out of scope. **Schema Data Type:** wrapper **Schema XPath:** Contract

Contract Commodity Information This is the wrapper for the grain or product that is being contracted. **Schema Term Name:** ContractCommodityInformation **Note:** Contract-Due to contract details repeating, a contract is not limited to one commodity. However there can only be one commodity per contract details. This is the parent element to all of the commodity information. This wrapper name is different from the quality certificate commodity information & weight certificate commodity information, due to the different child elements contained in it. **Example:** Contract-None-wrapper **Synonym:** Contract-Grains, Products **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / ContractCommodityInformation 2. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation

Contract Date Time The date and time the contract was created. **Schema Term Name:** ContractDateTime **Note:** Contracts-Date is mandatory, but the time is optional **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractHeader / ContractDateTime 2. ContractPricing / ContractPricingHeader / Buyer / OriginalContractHeaderInformation / ContractDateTime 3. ContractPricing / ContractPricingHeader / Seller / OriginalContractHeaderInformation / ContractDateTime 4. ContractPricing / ContractPricingHeader / Agent / OriginalContractHeaderInformation / ContractDateTime

Contract Detail These are all of the details that make the contract legal and binding based on NGFA rules and common trading practices. **Schema Term Name:** ContractDetail **Note:** Contract-This is a parent to all of the specific contract information. **Example:** Contract-None-wrapper **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail

Contract Details This is a parent element to Contract Detail. **Schema Term Name:** ContractDetails **Note:** Contract-Since Contract Detail is repeatable, there needed to be a parent element to hold the repeatable information **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails

Contract Header Wrapper for the Document Originator, Buyer, Seller, and Agent information. **Schema Term Name:** ContractHeader **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractHeader

Contract Identifier This is an alphanumeric code that one of the parties in the trade uses to distinguish this contract from others. **Schema Term Name:** ContractIdentifier **Notes:** 1. Contract-This is an optional field. This is a defined element name since this field will be used across various documents and schemas 2. Contract-This is an optional field. This is a defined element name since this field will be used across various documents and schemasContract PricingThis is the pricing number, which may be different from the original contract number **Example:** Contract-P12345, S2345 **Synonym:** Contract-Purchase contract number, sales contract number, buyer contract number, seller contract number. **Schema Data Type:** string **Schema XPaths:** 1. Contract / ContractHeader / Buyer / ContractIdentifier 2. Contract / ContractHeader / Seller / ContractIdentifier 3. Contract / ContractHeader / Agent / ContractIdentifier 4. Contract / ContractHeader / ContractOriginatorInformation / ContractIdentifier 5. ContractPricing / ContractPricingHeader / Buyer / OriginalContractHeaderInformation / ContractIdentifier 6. ContractPricing / ContractPricingHeader / Seller / OriginalContractHeaderInformation / ContractIdentifier 7. ContractPricing / ContractPricingHeader / Agent / OriginalContractHeaderInformation / ContractIdentifier 8. CommodityMovement / CommodityMovementBuyer / ApplicationInstruction / ContractIdentifier 9. CommodityMovement / CommodityMovementSeller / ApplicationInstruction / ContractIdentifier

Contract Originator Identifies the Originator of the Contract, the person who first enters the information and transmits it to the trading partners. **Schema Term Name:** ContractOriginator **Note:** Contract-Since Contracts can be either Sale or Purchase, or can be from an intermediary, such as a Broker or an Exchange, it was decided to explicitly state who originated the document. The details of the Document Originator can be found in the Buyer, Seller or Agent sections. At some time in the future, we may need to reevaluate this to make more extensive and include more information. **Example:** Contract-Buyer, Seller, Agent **Schema Data Type:** ContractOriginator: Buyer, Seller, Agent **Schema XPath:** Contract / ContractHeader / ContractOriginatorInformation / ContractOriginator

Contract Originator Information A wrapper for the information of who originates the contract pricing and their contract pricing number. **Schema Term Name:** ContractOriginatorInformation **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractHeader / ContractOriginatorInformation

Contract Pricing Establishing a pricing component on an existing contract. **Schema Term Name:** ContractPricing **Example:** Contract Pricing-For example a basis contract having a flat price established. **Synonym:** Contract Pricing-Pricing Amendment **Schema Data Type:** wrapper **Schema XPath:** ContractPricing

Contract Pricing Date Time The date and time a portion or complete contract is priced. **Schema Term Name:** ContractPricingDateTime **Schema Data Type:** wrapper **Schema XPath:** ContractPricing / ContractPricingHeader / ContractPricingDateTime

Contract Pricing Detail These are all of the details that make the contract legal and binding based on NGFA rules and common trading practices. **Schema Term Name:** ContractPricingDetail **Note:** Contract Pricing-Note text. **Schema Data Type:** wrapper **Schema XPath:** ContractPricing / ContractPricingDetail

Contract Pricing Header Wrapper for the Document Originator, Buyer, Seller, and Agent information. **Schema Term Name:** ContractPricingHeader **Schema Data Type:** wrapper **Schema XPath:** ContractPricing / ContractPricingHeader

Contract Pricing Identifier This is an alphanumeric code that one of the parties in the trade uses to distinguish this contract from others. **Schema Term Name:** ContractPricingIdentifier **Schema Data Type:** string **Schema XPaths:** 1. ContractPricing / ContractPricingHeader / Buyer / ContractPricingIdentifier 2. ContractPricing / ContractPricingHeader / Seller / ContractPricingIdentifier 3. ContractPricing / ContractPricingHeader / Agent / ContractPricingIdentifier 4. ContractPricing / ContractPricingHeader / ContractPricingOriginatorInformation / ContractPricingIdentifier

Contract Pricing Originator Identifies the Originator of the Contract Pricing, the person who first enters the information and transmits it to the trading partners. **Schema Term Name:** ContractPricingOriginator **Note:** Contract Pricing-Since Contract Pricing can be either Sale or Purchase, or can be from an intermediary, such as a Broker or an Exchange, it was decided to explicitly state who originated the document. The details of the Document Originator can be found in the Buyer, Seller or Agent sections. At some time in the future, we may need to reevaluate this to make more extensive and include more information. **Schema Data Type:** ContractOriginator: Buyer, Seller, Agent **Schema XPath:** ContractPricing / ContractPricingHeader / ContractPricingOriginatorInformation / ContractPricingOriginator

Contract Pricing Originator Information A wrapper for the information of who originates the contract and their contract number. **Schema Term Name:** ContractPricingOriginatorInformation **Schema Data Type:** wrapper **Schema XPath:** ContractPricing / ContractPricingHeader / ContractPricingOriginatorInformation

Contract Quality Information A wrapper for all of the contract quality terms. See Quality Terms Definition **Schema Term Name:** ContractQualityInformation **Example:** Contract-None-Wrapper **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / ContractQualityInformation

Contract Quantity This is the amount of grain or product that is being contracted. **Schema Term Name:** ContractQuantity **Note:** Contract-This is an mandatory field. Only 1 value will be contracted, if there is a range, it will be included in quantity tolerance. **Example:** Contract-100000 **Synonym:** Contract-Contracted Amount **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / ContractQuantity 2. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractQuantity

Country Code An enumerated list of standard code/abbreviation for the largest of the geo-political boundaries that define address areas of the world. **Schema Term Name:** CountryCode **Note:** All-This is a mandatory field within address. This will be a standard code. This could be used alone outside of the address structure. **Example:** All-UK **Schema Data Type:** CountryCode: AF, AL, DZ, AS, AD, AO, AI, AQ, AG, AR,

AM, AW, AU, AT, AZ, BS, BH, BD, BB, BY, BE, BZ, BJ, BM, BT, BO, BA, BW, BV, BR, IO, BN, BG, BF, BI, KH, CM, CA, CV, KY, CF, TD, CL, CN, CX, CC, CO, KM, CG, CD, CK, CR, CI, HR, CU, CY, CZ, DK, DJ, DM, DO, TP, EC, EG, SV, GQ, ER, EE, ET, FK, FO, FJ, FI, FR, GF, PF, TF, GA, GM, GE, DE, GH, GI, GR, GL, GD, GP, GU, GT, GN, GW, GY, HT, HM, VA, HN, HK, HU, IS, IN, ID, IR, IQ, IE, IL, IT, JM, JP, JO, KZ, KE, KI, KP, KR, KW, KG, LA, LV, LB, LS, LR, LY, LI, LT, LU, MO, MK, MG, MW, MY, MV, ML, MT, MH, MQ, MR, MU, YT, MX, FM, MD, MC, MN, MS, MA, MZ, MM, NA, NR, NP, NL, AN, NC, NZ, NI, NE, NG, NU, NF, MP, NO, OM, K, PW, PS, PA, PG, PY, PE, PH, PN, PL, PT, PR, QA, RE, RO, RU, RW, SH, KN, LC, PM, VC, WS, SM, ST, SA, SN, SC, SL, SG, SK, SI, SB, SO, ZA, GS, ES, LK, SD, SR, SJ, SZ, SE, CH, SY, TW, TJ, TZ, TH, TG, TK, TO, TT, TN, TR, TM, TC, TV, UG, UA, AE, GB, US, UM, UY, UZ, VU, VE, VN, VG, VI, WF, EH, YE, YU, ZM, ZW **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / Address / CountryCode 2. Contract / ContractHeader / Buyer / EntityInformation / Address / CountryCode 3. Contract / ContractHeader / Seller / EntityInformation / Address / CountryCode 4. Contract / ContractHeader / Agent / EntityInformation / Address / CountryCode 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / Address / CountryCode 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / Address / CountryCode 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / Address / CountryCode 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / CountryCode 9. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / CountryCode 10. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / CountryCode 11. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / CountryCode

Country Region Code A standard postal abbreviation for a state or province. **Schema Term Name:** CountryRegionCode **Note:** Contract-This is a child element to the address **Examples:** 1. All-IN 2. All-INAllBC--for British Columbia **Schema Data Type:** CountryRegionCode: AL, BCN, BCS, CAN, CHIS, CHIH, COAH, COL, DF, DGO', GTO, GRO, HGO, JAL, MEX, MICH, MOR, NAY, NLO, OAX, PUE, QRO, QROO, SLP, SIN, SON, TAB, TAMPS, TLAX, VER, YUC, ZAC, AB, BC, MB, NB, NF, NT, NS, NU, ON, PE, QC, SK, YT, AK, AZ, AR, CA, CO, CT, DE, DC, FL, GA, HI, ID, IL, IN, IA, KS, KY, LA, ME, MD, MA, MI, MN, MS, MO, MT, NE, NV, NH, NJ, NM, NY, NC, ND, OH, OK, OR, PA, PR, RI, SC, SD, TN, TX, UT, VT, VA, WA, WV, WI, WY, AGS **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / Address / CountryRegionCode 2. Contract / ContractHeader / Buyer / EntityInformation / Address / CountryRegionCode 3. Contract / ContractHeader / Seller / EntityInformation / Address / CountryRegionCode 4. Contract / ContractHeader / Agent / EntityInformation / Address / CountryRegionCode 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / Address / CountryRegionCode 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / Address / CountryRegionCode 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / Address / CountryRegionCode 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / CountryRegionCode 9. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / CountryRegionCode 10. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / CountryRegionCode 11. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / CountryRegionCode

County The name of the primary administrative subdivision of a state in the United States. It could be the name of a county or parish. **Schema Term Name:** County **Example:** St. Charles- **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / Address / County 2. Contract / ContractHeader / Buyer / EntityInformation / Address / County 3. Contract / ContractHeader / Seller / EntityInformation / Address / County 4. Contract / ContractHeader / Agent / EntityInformation / Address / County 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / Address / County 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / Address / County 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / Address / County 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / County 9. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / County 10. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / County 11. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / County

County F I P S Code A three-digit code assigned by the National Institute of Standards and Technology (NIST) to identify each county and statistically equivalent entity within a State. The NIST assigns the codes based on the alphabetic sequence of county names, it documents these codes in a Federal Information Processing Standard (FIPS) publication (FIPS PUB 6) **Schema Term Name:** CountyFIPSCode **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / Address / CountyFIPSCode 2. Contract / ContractHeader / Buyer / EntityInformation / Address / CountyFIPSCode 3. Contract / ContractHeader / Seller / EntityInformation / Address / CountyFIPSCode 4. Contract / ContractHeader / Agent / EntityInformation / Address / CountyFIPSCode 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / Address / CountyFIPSCode 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / Address / CountyFIPSCode 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / Address / CountyFIPSCode 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / CountyFIPSCode 9. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / CountyFIPSCode 10. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / CountyFIPSCode 11. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / CountyFIPSCode

Currency Code This is an enumerated list of the currencies associated with the price based on ISO standards. **Schema Term Name:** CurrencyCode **Note:** All-This is based on currency code standards **Example:** All-USD

Date Calendar date based on ISO standards of CCYY-MM-DD at http://www.w3.org/TR/NOTE-datetime **Schema Term Name:** Date **Notes:** 1. All-The format for date is CCYY-MM-DD 2. All-The format for date is CCYY-MM-DDAlllf the time is mandatory with the date, the format should be ccyy-mm-ddThh:mm:ss **Example:** All-2001-11-01 **Schema Data Type:** date **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / BillOfLadingDateTime / Date 2. Contract / ContractHeader / ContractDateTime / Date 3. ContractPricing / ContractPricingHeader / Buyer / OriginalContractHeaderInformation / ContractDateTime / Date 4. ContractPricing / ContractPricingHeader / Seller / OriginalContractHeaderInformation / ContractDateTime / Date 5. ContractPricing / ContractPricingHeader / Agent / OriginalContractHeaderInformation / ContractDateTime / Date 6. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / GrossWeight / WeightStartDateTime / Date 7. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / TareWeight / WeightStartDateTime / Date 8. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / WeightStartDateTime / Date 9. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / WeightEndDateTime / Date 10. QualityCertificate / QualityCertificateHeader / SampleInformation / SampleTakenDateTime / Date 11. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / GrossWeight / WeightStartDateTime / Date 12. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / TareWeight / WeightStartDateTime / Date 13. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / WeightStartDateTime / Date 14. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / WeightEndDateTime / Date

Delivery Basis The term for when the ownership of the commodity changes from the buyer to the seller; at origin or at destination. **Schema Term Name:** DeliveryBasis **Note:** contract-This is a mandatory field. This field is enumerated. **Schema Data Type:** DeliveryBasis: CIF, CIFFO, CNF, CNFFO, Delivered, FAS, FOB, FOB Farm, FST, In-store **Schema XPath:** Contract / ContractDetails / ContractDetail / DeliveryBasis

Demurrage A fee charged by the freight provider to the transportation provider if a railcar, truck, vessel, etc. are not loaded in a pre-defined time period.

Destination The location and address for the place where the trip ends. It may or may not be an unloading location. In some cases is an intermediate point where the carrier changes. **Schema Term Name:** Destination **Note:** Bill Of Lading-The KC switchyard could be the destination on a BOL. However, rather than unloaded, it is taken somewhere else from there. **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / Destination 2. CommodityMovement / ShipmentInformation / Destination

Disposition A notification of how a ticket or rail car should be handled and to what contract or type of contract it should be applied.

Distance Unit of Measure A standard unit of measure for expressing distance. Examples include yards, feet, inches, meters, miles, kilometers, centimeters. **Schema Term Name:** DistanceUnitOfMeasure **Example:** All-Examples include yards, feet, inches, meters, miles, kilometers, centimeters.

Document Identification A grouping of data elements that identify a document. **Schema Term Name:** DocumentIdentification **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / DocumentIdentification

Document Identifier The preprinted or typed identifier of a document. **Schema Term Name:** DocumentIdentifier **Schema Data Type:** string **Schema XPath:** BillOfLading / BillOfLadingHeader / DocumentIdentification / DocumentIdentifier

Document Type The name of a document type. Used to identify any related documents for a Bill Of Lading. **Schema Term Name:** DocumentType **Example:** Bill of Lading-Certificate of Origin, Phytosanitary, Delivery Order. **Schema Data Type:** string **Schema XPath:** BillOfLading / BillOfLadingHeader / DocumentIdentification / DocumentType

Ending Date The last date in a date range. **Schema Term Name:** EndingDate **Notes:** 1. Contract-YYYY-MM-DD format. This is a mandatory field due to Grain Trade Rules. 2. Contract-YYYY-MM-DD format. This is a mandatory field due to Grain Trade Rules.ContractThe last date the buyer will accept shipment of grain to apply against this contract. **Example:** all-2001-12-27 **Schema Data Type:** date **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / ShipmentOrDeliveryPeriod / EndingDate 2. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ShipmentOrDeliveryPeriod / EndingDate

Entity Identifier Miscellaneous Reference Numbers that identifies the entity. This could be assigned by buyer, seller, or agent and the Entity Identifier would show who assigned the number. **Schema Term Name:** EntityIdentifier **Note:** all-This is an optional field. This was created to allow for Reference Numbers that identify the Entity. This will become more prevalent as Directories are used more. But until that is reached, each company will be putting their own numbers for the other side of the trade and the other side will store the information. **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / EntityIdentifier 2. Contract / ContractHeader / Buyer / EntityInformation / EntityIdentifier 3. Contract / ContractHeader / Seller / EntityInformation / EntityIdentifier 4. Contract / ContractHeader / Agent / EntityInformation / EntityIdentifier 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / EntityIdentifier 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / EntityIdentifier 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / EntityIdentifier 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / Inspector / EntityIdentifier 9. CommodityMovement / CommodityMovementQualityInformation /

CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / EntityInformation / EntityIdentifier 10. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / ServiceRequester / EntityInformation / EntityIdentifier 11. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / EntityInformation / EntityIdentifier 12. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityOwner / EntityInformation / EntityIdentifier 13. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / Inspector / EntityIdentifier 14. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / EntityInformation / EntityIdentifier 15. QualityCertificate / QualityCertificateHeader / ServiceRequester / EntityInformation / EntityIdentifier 16. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / EntityInformation / EntityIdentifier 17. WeightCertificate / WeightCertificateHeader / CommodityOwner / EntityInformation / EntityIdentifier

Entity Information Wrapper element containing a name, address, and unique identifier for any company, person, or organization **Schema Term Name:** EntityInformation **Note:** All-This element module will be used in all schemas anytime a person, company, or organization is identified. **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation 2. Contract / ContractHeader / Buyer / EntityInformation 3. Contract / ContractHeader / Seller / EntityInformation 4. Contract / ContractHeader / Agent / EntityInformation 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / EntityInformation 9. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / ServiceRequester / EntityInformation 10. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / EntityInformation 11. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityOwner / EntityInformation 12. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / EntityInformation 13. QualityCertificate / QualityCertificateHeader / ServiceRequester / EntityInformation 14. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / EntityInformation 15. WeightCertificate / WeightCertificateHeader / CommodityOwner / EntityInformation

Entity Name The name of the organization, business, or person involved in the transaction. **Schema Term Name:** EntityName **Note:** All-We could possibly add an Attribute to this field to differentiate between a Person and an Organization.

Contract--This is a mandatory field. **Example:** All-Louis Dreyfus Corporation **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / EntityName 2. Contract / ContractHeader / Buyer / EntityInformation / EntityName 3. Contract / ContractHeader / Seller / EntityInformation / EntityName 4. Contract / ContractHeader / Agent / EntityInformation / EntityName 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / EntityName 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / EntityName 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / EntityName 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / Inspector / EntityName 9. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / EntityInformation / EntityName 10. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / ServiceRequester / EntityInformation / EntityName 11. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / EntityInformation / EntityName 12. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityOwner / EntityInformation / EntityName 13. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / WeighMaster / EntityName 14. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / Inspector / EntityName 15. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / EntityInformation / EntityName 16. QualityCertificate / QualityCertificateHeader / ServiceRequester / EntityInformation / EntityName 17. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / WeighMaster / EntityName 18. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / EntityInformation / EntityName 19. WeightCertificate / WeightCertificateHeader / CommodityOwner / EntityInformation / EntityName

Entity Type A categorization of an entity to further identify it. **Schema Term Name:** EntityType **Note:** All-This is an enumerated list. **Example:** All-This is an enumerated list. **Schema Data Type:** EntityType: Organization, Person **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / EntityType 2. Contract / ContractHeader / Buyer / EntityInformation / EntityType 3. Contract / ContractHeader / Seller / EntityInformation / EntityType 4. Contract / ContractHeader / Agent / EntityInformation / EntityType 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / EntityType 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / EntityType 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / EntityType 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / EntityInformation / EntityType 9. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / ServiceRequester / EntityInformation / EntityType 10. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / EntityInformation / EntityType 11. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityOwner / EntityInformation / EntityType 12. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / EntityInformation / EntityType 13. QualityCertificate / QualityCertificateHeader / ServiceRequester / EntityInformation / EntityType 14. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / EntityInformation / EntityType 15. WeightCertificate / WeightCertificateHeader / CommodityOwner / EntityInformation / EntityType

Equipment Type Further details the Transportation Mode by giving specific types of equipment being used. Based on some size or constraints at either the origin or destination, this information is important. **Schema Term Name:** EquipmentType **Note:** Contract-This is an optional and repeatable field. This is an enumerated list. **Example:** All-Hoppers, High Cube Cars **Synonym:** All-Truck Type, Car Type **Schema Data Type:** EquipmentType: Auger, Barge, Box, Container, Covered Hopper, Double Trailer, Flat-Bed, Hi-Cube, Hydrolic, Lash Barge, Laker, Open Hopper, Other, Panamax, Rake, Rail, Sacked, Self-Trimming, Self-Unloader, Ship, Small-Cube, Tanker, Truck, Tween-Decker, Unit Train **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / ShipmentSize / EquipmentType 2. Contract / ContractDetails / ContractDetail / TransportationInformation / EquipmentType 3. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / EquipmentType 4. QualityCertificate / QualityCertificateHeader / EquipmentType 5. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / EquipmentType

Estimated Weight Indicator A flag to say if this is an estimate weight. True=estimated; false=actual **Schema Term Name:** EstimatedWeightIndicator **Notes:** 1. Weight Certificate-This will be either true or false 2. Weight Certificate-This will be either true or falseweight certificateThis will be used more for barge due to draft estimates **Schema Data Type:** boolean **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / EstimatedWeightIndicator 2. WeightCertificate / WeightCertificateHeader / EstimatedWeightIndicator

Event A specific action or occurrence which either causes or concludes another action or occurrence. **Schema Term Name:** Event **Note:** Contract-For Special Terms, the rate end or begin with be caused by a date or specific event. **Example:** Contract-At time of loading, at time of unloading, **Schema Data Type:** string **Schema XPath:** Event

Export Roles A container element of the roles involved in Export Shipments. **Schema Term Name:** ExportRoles **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / ExportRoles

Exporter The Organization, Address and Contacts for the seller on the export contract. **Schema Term Name:** Exporter **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / ExportRoles / Exporter

Final Settlement The final amount that is paid to the seller from the buyer. This takes into account all of the discounts, grades, weights, and contract price. It reduces the final value by any advances that were paid against it. **Synonym:** Settlement-

First Handle The first movement of grain into the supply chain from a producer to a market.

Flat Price The is the price, include futures and basis that a seller will be paid for the commodity contracted. **Schema Term Name:** FlatPrice **Note:** contract-Follows the price element form. This is an optional field. If the Price Type is Flat, this field needs to have a value. **Example:** Contract-There will be no information in this field, because it is a wrapper for all of the price information under it. **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / PriceInformation / FlatPrice 2. ContractPricing / ContractPricingDetail / PriceInformation / FlatPrice 3. ContractPricing / ContractPricingDetail / OriginalPriceInformation / FlatPrice

Form Identifier Standard form number that identifies the type of form that the information is on. **Schema Term Name:** FormIdentifier **Note:** Quality and Weight Certificates-This is not an individual certificate number, but rather identifies the form of a whole. **Example:** Quality and Weight Certificates-Certificate number **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FormInformation / FormIdentifier 2. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / FormInformation / FormIdentifier 3. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / FormInformation / FormIdentifier 4. QualityCertificate / QualityCertificateHeader / FormInformation / FormIdentifier 5. WeightCertificate / WeightCertificateHeader / FormInformation / FormIdentifier

Form Identifier Source Who defines the form identifier **Schema Term Name:** FormIdentifierSource **Example:** quality and weight certificate-FGIS, USDA, ADM, Cargill **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FormInformation / FormIdentifierSource 2. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / FormInformation / FormIdentifierSource 3. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / FormInformation / FormIdentifierSource 4. QualityCertificate / QualityCertificateHeader / FormInformation / FormIdentifierSource 5. WeightCertificate / WeightCertificateHeader / FormInformation / FormIdentifierSource

Form Information A wrapper for the form identifier, source, and version to identify the paper form. **Schema Term Name:** FormInformation **Note:** Weight and Quality Certificates-Sometimes the form is pre-printed and the Form Information will provide information that will be used to create the correct system sheet to be applied to the schema to either an HTML display or a paper version. **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FormInformation 2. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / FormInformation 3. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / FormInformation 4. QualityCertificate / QualityCertificateHeader / FormInformation 5. WeightCertificate / WeightCertificateHeader / FormInformation

Form Version Identifies which version of Form Identifier is applicable to a certificate. **Schema Term Name:** FormVersion **Note:** weight and quality cert.-This could be a date or a number **Example:** weight and quality cert.-10/98 **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FormInformation / FormVersion 2. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / FormInformation / FormVersion 3. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate /

WeightCertificateHeader / FormInformation / FormVersion 4. QualityCertificate / QualityCertificateHeader / FormInformation / FormVersion 5. WeightCertificate / WeightCertificateHeader / FormInformation / FormVersion

Freight Carrier trucking line, rail line, barge line, or vessel company that will be transporting the commodity. The a wrapper for Entity Name, Address, and Contacts for the transportation carrier. **Schema Term Name:** FreightCarrier **Notes:** 1. Contract-This is an option field. This information may be carried forward to the Bill of Lading schema 2. Contract-This is an option field. This information may be carried forward to the Bill of Lading schemaBill of LadingThe driver name of a truck would be entered as a contact person with a Contact Name Title of "Driver" 3. Contract-This is an option field. This information may be carried forward to the Bill of Lading schemaBill of LadingThe driver name of a truck would be entered as a contact person with a Contact Name Title of "Driver"Commodity MovementThe driver name of a truck would be entered as a contact person with a Contact Name Title of "Driver" **Example:** All-None-wrapper **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightCarrier 2. Contract / ContractDetails / ContractDetail / TransportationInformation / FreightCarrier 3. CommodityMovement / ShipmentInformation / FreightCarrier

Freight Payer A grouping of data elements that identify the Entity Name, Address and Contacts for who is responsible for paying the freight. **Schema Term Name:** FreightPayer **Note:** Bill of Lading-May be the same person or different from the Transportation Provider. This is the person or organization who will receive and pay the freight bill. **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer

Freight Payment Term A grouping of data elements that are the instructions for payment of the freight. Wrapper for freight payment details. **Schema Term Name:** FreightPaymentTerm **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm

Freight Payment Term Type Defines the how the freight payment is going to be invoiced and paid; collect or prepay. **Schema Term Name:** FreightPaymentTermType **Example:** Bill of Lading-Collect or prepaid **Schema Data Type:** FreightPaymentTermType: Collect, Prepaid **Schema XPath:** BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPaymentTermType

Freight Payment Terms A wrapper for all of the Freight Payment Term. **Schema Term Name:** FreightPaymentTerms **Note:** Bill of Lading and Commodity Movement-See freight payment term definition **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / FreightPaymentTerms

Freight Rate Rate to move vehicle from point A to point B **Schema Term Name:** FreightRate **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightRateInformation / FreightRate 2. CommodityMovement / ShipmentInformation / FreightRateInformation / FreightRate

Freight Rate Authority Identifier The specific contract number, tariff number (BNSF4022, for example) or quote identification that pertains to rate to move grain from point A to point B **Schema Term Name:** FreightRateAuthorityIdentifier **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightRateInformation / FreightRateAuthorityIdentifier 2. CommodityMovement / ShipmentInformation / FreightRateInformation / FreightRateAuthorityIdentifier

Freight Rate Authority Type What kind of rate that covers the shipment of the commodity. **Schema Term Name:** FreightRateAuthorityType **Example:** Bill of Lading-contract, quote, rate, tariff **Schema Data Type:** FreightRateAuthorityType: Contract, Quote, Rate, Tariff **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightRateInformation / FreightRateAuthorityType 2. CommodityMovement / ShipmentInformation / FreightRateInformation / FreightRateAuthorityType

Freight Rate Information A grouping of data elements that identify the freight rate information. **Schema Term Name:** FreightRateInformation **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightRateInformation 2. CommodityMovement / ShipmentInformation / FreightRateInformation

Freight Rate Item Identifier Specific item within a tariff that identifies the price for a particular movement **Schema Term Name:** FreightRateItemIdentifier **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightRateInformation / FreightRateItemIdentifier 2. CommodityMovement / ShipmentInformation / FreightRateInformation / FreightRateItemIdentifier

From Border Broker The Organization, Address and Contacts for the foreign buyer's domestic representative. **Schema Term Name:** FromBorderBroker **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / ExportRoles / FromBorderBroker

Futures Commodity Code The code for the commodity and exchange which the price is associated. **Schema Term Name:** FuturesCommodityCode **Note:** Contract-This is a mandatory field and must be transmitted with Basis or Futures price. This is an enumerated list **Example:** Contract-C, SM **Synonym:** All-Exchange Code **Schema Data Type:** FuturesCommodityCode: C, DW, KW, MW, NW, O, S, SM, W, XC, XE, XO, XS, XW **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / PriceInformation / BasisPrice / FuturesInformation / FuturesCommodityCode 2. Contract / ContractDetails / ContractDetail / PriceInformation / FuturesPrice / FuturesInformation / FuturesCommodityCode 3. ContractPricing / ContractPricingDetail / PriceInformation / BasisPrice / FuturesInformation / FuturesCommodityCode 4. ContractPricing / ContractPricingDetail / OriginalPriceInformation / BasisPrice / FuturesInformation / FuturesCommodityCode 5. ContractPricing / ContractPricingDetail / PriceInformation / FuturesPrice / FuturesInformation / FuturesCommodityCode 6. ContractPricing / ContractPricingDetail / OriginalPriceInformation / FuturesPrice / FuturesInformation / FuturesCommodityCode

Futures Commodity Name The long name for the commodity and exchange which the price is associated. **Schema Term Name:** FuturesCommodityName **Note:** Contract-This is an optional field to the schema, but is mandatory if Basis Price or Futures Prices is given. **Example:** Corn- **Schema Data Type:** FuturesCommodityName: Durum Wheat, Hard Red Spring Wheat, Hard Red Winter Wheat, Oats, Soft

Red Winter Wheat, Soybean Meal, White Wheat, Yellow Corn, Yellow Soybeans **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / PriceInformation / BasisPrice / FuturesInformation / FuturesCommodityName 2. Contract / ContractDetails / ContractDetail / PriceInformation / FuturesPrice / FuturesInformation / FuturesCommodityName 3. ContractPricing / ContractPricingDetail / PriceInformation / BasisPrice / FuturesInformation / FuturesCommodityName 4. ContractPricing / ContractPricingDetail / OriginalPriceInformation / BasisPrice / FuturesInformation / FuturesCommodityName 5. ContractPricing / ContractPricingDetail / PriceInformation / FuturesPrice / FuturesInformation / FuturesCommodityName 6. ContractPricing / ContractPricingDetail / OriginalPriceInformation / FuturesPrice / FuturesInformation / FuturesCommodityName

Futures Exchange Code The code for the futures market on which a commodity is traded. **Schema Term Name:** FuturesExchangeCode **Note:** Contract-Note text. **Schema Data Type:** FuturesExchangeCode: CBOT, KCBOT, MGE, MIDAM **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / PriceInformation / BasisPrice / FuturesInformation / FuturesExchangeCode 2. Contract / ContractDetails / ContractDetail / PriceInformation / FuturesPrice / FuturesInformation / FuturesExchangeCode 3. ContractPricing / ContractPricingDetail / PriceInformation / BasisPrice / FuturesInformation / FuturesExchangeCode 4. ContractPricing / ContractPricingDetail / OriginalPriceInformation / BasisPrice / FuturesInformation / FuturesExchangeCode 5. ContractPricing / ContractPricingDetail / PriceInformation / FuturesPrice / FuturesInformation / FuturesExchangeCode 6. ContractPricing / ContractPricingDetail / OriginalPriceInformation / FuturesPrice / FuturesInformation / FuturesExchangeCode

Futures Information A wrapper containing the futures detail associated with a contract price. This will define the futures market, month, commodity, and year. **Schema Term Name:** FuturesInformation **Note:** Contract-This information is not placed under Flat Price, since the futures detail for Flat Price is irrelevant. **Example:** Contract-none-wrapper **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / PriceInformation / BasisPrice / FuturesInformation 2. Contract / ContractDetails / ContractDetail / PriceInformation / FuturesPrice / FuturesInformation 3. ContractPricing / ContractPricingDetail / PriceInformation / BasisPrice / FuturesInformation 4. ContractPricing / ContractPricingDetail / OriginalPriceInformation / BasisPrice / FuturesInformation 5. ContractPricing / ContractPricingDetail / PriceInformation / FuturesPrice / FuturesInformation 6. ContractPricing / ContractPricingDetail / OriginalPriceInformation / FuturesPrice / FuturesInformation

Futures Month The long name for the month traded on the futures exchange which price is associated. **Schema Term Name:** FuturesMonth **Note:** Contract-This will be used if the contract is for Basis Price or Futures Prices is given. **Example:** All-March **Synonym:** All-Traded Month **Schema Data Type:** MonthsOfYear: January, February, March, April, May, June, July, August, September, October, November, December **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / PriceInformation / BasisPrice / FuturesInformation / FuturesMonth 2. Contract / ContractDetails / ContractDetail / PriceInformation / FuturesPrice / FuturesInformation / FuturesMonth 3. ContractPricing / ContractPricingDetail / PriceInformation / BasisPrice / FuturesInformation / FuturesMonth 4. ContractPricing / ContractPricingDetail / OriginalPriceInformation / BasisPrice / FuturesInformation / FuturesMonth 5. ContractPricing / ContractPricingDetail / PriceInformation / FuturesPrice / FuturesInformation / FuturesMonth 6. ContractPricing / ContractPricingDetail / OriginalPriceInformation / FuturesPrice / FuturesInformation / FuturesMonth

Futures Price The price that the exchanges are quoting for a specific commodity and month. **Schema Term Name:** FuturesPrice **Note:** Contract-This is an optional field to the schema, but is mandatory if Basis Price or Futures Prices is given. **Example:** All-None-Wrapper **Synonym:** Contract-HTA, Futures Only **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / PriceInformation / FuturesPrice 2. ContractPricing / ContractPricingDetail / PriceInformation / FuturesPrice 3. ContractPricing / ContractPricingDetail / OriginalPriceInformation / FuturesPrice

Futures Year Since most exchanges trade two years worth of months, a year has to be associated with the month that is traded. **Schema Term Name:** FuturesYear **Notes:** 1. Contract-This is an optional field to the schema, but is mandatory if Basis Price or Futures Prices is given. 2. Contract-This is an optional field to the schema, but is mandatory if Basis Price or Futures Prices is given.AllAnytime a year is given, the centuries must be given. **Example:** All-2005 **Schema Data Type:** string **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / PriceInformation / BasisPrice / FuturesInformation / FuturesYear 2. Contract / ContractDetails / ContractDetail / PriceInformation / FuturesPrice / FuturesInformation / FuturesYear 3. ContractPricing / ContractPricingDetail / PriceInformation / BasisPrice / FuturesInformation / FuturesYear 4. ContractPricing / ContractPricingDetail / OriginalPriceInformation / BasisPrice / FuturesInformation / FuturesYear 5. ContractPricing / ContractPricingDetail / PriceInformation / FuturesPrice / FuturesInformation / FuturesYear 6. ContractPricing / ContractPricingDetail / OriginalPriceInformation / FuturesPrice / FuturesInformation / FuturesYear

Governing Trade Rule Information The wrapper for the commodity standards committee which has jurisdiction over disputes of a financial, mercantile, or commercial nature involving the contracted commodity. This allows for an enumerated list or a free form text for other trade rules. **Schema Term Name:** GoverningTradeRuleInformation **Note:** Contract-This is mandatory since all contracts have an implied Governing Trade Rules based on the commodity. **Example:** All-None-wrapper **Synonym:** All-Applicable Grain Trade Rules **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / GoverningTradeRuleInformation

Governing Trade Rules An enumerated list which names the standards committee and publication which has arbitrage jurisdiction. The trade body corresponds with the commodity and country of the trade. **Schema Term Name:** GoverningTradeRules **Note:** All-This is the name of the Trade Body and the publication that body posted. **Example:** All-NGFA, NOPA, NAEGA **Synonym:** All-Applicable Trade Rules **Schema Data Type:** GoverningTradeRules: FOSFA, GAFTA, KCBOT, MGE, NAEGA 2, NCPA, NGFA, NOPA, PME **Schema XPath:** Contract / ContractDetails / ContractDetail / GoverningTradeRuleInformation / GoverningTradeRules

Governing Trade Rules Version Governing Trade Rules and Trade Bodies often have annual versions of Trade Rules. This attribute identifies which version applies to the contract. **Schema Term Name:** GoverningTradeRulesVersion **Note:** Contract-This is an optional field. If this is left blank, it is assumed that the latest version of trade rules are applicable to this contract. **Example:** All-2001 **Synonym:** All-Amended date, effective date **Schema Data Type:** string **Schema XPath:** Contract / ContractDetails / ContractDetail / GoverningTradeRuleInformation / GoverningTradeRulesVersion

Grades To Govern An enumerated list defining what type of grade inspection will be accepted and settled on for payment. **Schema Term Name:** GradesToGovern **Note:** Contract-This is an enumerated list **Example:** Contract-Origin Official; Destination **Schema Data Type:** GradesToGovern: Destination House, Destination Official, Destination Submit, First Certified, First Official, Origin House, Origin Official, Origin Submit **Schema XPath:** Contract / ContractDetails / ContractDetail / GradesToGovernInformation / GradesToGovern

Grades To Govern Information A wrapper for all of the grade information defining what type of grade inspection will be accepted and settled on for payment and if there are any remarks associated with that. **Schema Term Name:** GradesToGovernInformation **Example:** Contract-None-Wrapper **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / GradesToGovernInformation

Gross Weight The grouping of data elements that identify the weight of the loaded vehicle. Applies to rail and truck. **Schema Term Name:** GrossWeight **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / GrossWeight 2. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / GrossWeight

Identifier Source Identifies who or what assigns the Identifier. **Schema Term Name:** IdentifierSource **Note:** All-This is an enumerated list **Example:** All-Dunn & Bradstreet; Agent Internal

Inspection Class Code A specific designation of how official an inspection is. **Schema Term Name:** InspectionClassCode **Example:** Quality Certificate-Affidavit, A, B, C, D, E, State Warehouse Act, U.S. Warehouse Act. **Schema Data Type:** InspectionClassCode: Affidavit, A, B, C, D, E, Other, State Warehouse, U.S. Warehouse Act **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionClassCode 2. QualityCertificate / QualityCertificateHeader / InspectionClassCode

Inspection Date Time The date and time the service was completed. Could be different from the Issue Date Time in cases where the inspection was performed over a weekend and the certificate is issued on the next business day. **Schema Term Name:** InspectionDateTime **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionDateTime 2. QualityCertificate / QualityCertificateHeader / InspectionDateTime

Inspection Level Type Defines if the inspection is an original or if it has gone in for reinspection due to a disagreement on the grade returned. **Schema Term Name:** InspectionLevelType **Note:** Commodity Movement-This is an enumerated list **Example:** quality certificate-Original, Reinspection, Appeal, Board Appeal **Schema Data Type:** InspectionLevelType: Appeal, Board Appeal, Original, Reinspection, Supervision **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionLevelType 2. QualityCertificate / QualityCertificateHeader / InspectionLevelType

Inspection Provider Type Defines who the inspection provider is and ties in with the Inspection Class Code. **Schema Term Name:** InspectionProviderType **Example:** Quality Certificate-Federal, House, State, Third Party **Schema Data Type:** InspectionProviderType: Federal, House, State, Third Party **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionProviderType 2. QualityCertificate / QualityCertificateHeader / InspectionProviderType

Inspection Service Provider A wrapper of data elements containing information about the organization that performed the inspection service. **Schema Term Name:** InspectionServiceProvider **Example:** Quality Certificate-Since this is a wrapper, it will not contain any information. But the child elements could contain the grading lab or stowage examiner. **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider 2. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider

Inspector The individual responsible for conducting the inspection. A single field containing title, first name, last name, or any combination of this data **Schema Term Name:** Inspector **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / Inspector 2. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / Inspector

Issue Date Time Wrapper element for the date and time that the document or certificate was issued. **Schema Term Name:** IssueDateTime **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / IssueDateTime 2. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / IssueDateTime 3. QualityCertificate / QualityCertificateHeader / IssueDateTime 4. WeightCertificate / WeightCertificateHeader / IssueDateTime

Issued From The location where the document or certificate was issued from. The address structure is used here, however typically just a city and state provided. **Schema Term Name:** IssuedFrom **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom 2. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom 3. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom 4. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom

Job Title The job title for any contact. **Schema Term Name:** JobTitle **Note:** All-This is under contact information **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / ContactInformation / JobTitle 2. Contract / ContractHeader / Buyer / ContactInformation / JobTitle 3. Contract / ContractHeader / Seller / ContactInformation / JobTitle 4. Contract / ContractHeader / Agent / ContactInformation / JobTitle 5. ContractPricing / ContractPricingHeader / Buyer / ContactInformation / JobTitle 6. ContractPricing / ContractPricingHeader / Seller / ContactInformation / JobTitle 7. ContractPricing / ContractPricingHeader / Agent / ContactInformation / JobTitle 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation / JobTitle 9. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation / JobTitle 10. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation / JobTitle 11. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation / JobTitle 12. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / ContactInformation / JobTitle 13. QualityCertificate / QualityCertificateHeader / NotifyParty / ContactInformation / JobTitle 14. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / ContactInformation / JobTitle 15. WeightCertificate / WeightCertificateHeader / CommodityOwner / ContactInformation / JobTitle

Junction A grouping of data elements that identify the place to which the Route Carrier delivers the shipment. **Schema Term Name:** Junction **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / Junction

Junction Code A code identified by the railroad for a delivery point. AAR established junction point at which liability for a given movement may change. **Schema Term Name:** JunctionCode **Schema Data Type:** string **Schema XPath:** JunctionCode

Load Date Time The date and time the Commodity Movement is loaded at the origin location. **Schema Term Name:** LoadDateTime **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement / ShipmentInformation / Origin / LoadDateTime

Location Identifier A numerical identifier for a specific location **Schema Term Name:** LocationIdentifier **Note:** all-This will be used more as a directory for locations is created by a centralized body. **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / Origin / LocationInformation / LocationIdentifier 2. BillOfLading / BillOfLadingHeader / Destination / LocationInformation / LocationIdentifier 3. BillOfLading / BillOfLadingHeader / SpecialHandlingInstruction / LocationInformation / LocationIdentifier 4. BasisPointLocationInformation / LocationInformation / LocationIdentifier 5. LocationInformation / LocationIdentifier 6. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / LocationIdentifier 7. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / LocationIdentifier 8. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / LocationIdentifier 9. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / LocationIdentifier

Location Information This is a wrapper for all of the location details. **Schema Term Name:** LocationInformation **Note:** All-This is reusable in any schema that needs to identify a specific location. **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / Origin / LocationInformation 2. BillOfLading / BillOfLadingHeader / Destination / LocationInformation 3. BillOfLading / BillOfLadingHeader / SpecialHandlingInstruction / LocationInformation 4. BasisPointLocationInformation / LocationInformation 5. LocationInformation 6. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation 7. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation 8. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation 9. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation

Location Name The specific name of a place. **Schema Term Name:** LocationName **Notes:** 1. All-This further defines the address or location. Separate from Address. 2. All-This further defines the address or location. Separate from Address.ContractThis could be the specific name of a basis point **Example:** All-An elevator name, storage location name, or rail siding. **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / LocationName 2. Contract / ContractHeader / Buyer / EntityInformation / LocationName 3. Contract / ContractHeader / Seller / EntityInformation / LocationName 4. Contract / ContractHeader / Agent / EntityInformation / LocationName 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / LocationName 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / LocationName 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / LocationName 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / LocationName 9. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / LocationName 10. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / LocationName 11. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / LocationName

Location Type an enumerated list which identifies what type of location it is. **Schema Term Name:** LocationType **Example:** All-Farm, Facility, Field **Schema Data Type:** LocationType: Facility, Farm, Field, Storage Location **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / Origin / LocationInformation / LocationType 2. BillOfLading / BillOfLadingHeader / Destination / LocationInformation / LocationType 3. BillOfLading / BillOfLadingHeader / SpecialHandlingInstruction / LocationInformation / LocationType 4. BasisPointLocationInformation / LocationInformation / LocationType 5. LocationInformation / LocationType 6. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader /

InspectionServiceProvider / IssuedFrom / LocationInformation / LocationType 7. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / LocationType 8. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / LocationType 9. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / LocationType

Lot Quantity A positive decimal number that represents the total quantity of the lot as noted on a certificate. **Schema Term Name:** LotQuantity **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / LotQuantity 2. QualityCertificate / QualityCertificateHeader / LotQuantity

Maximum Percent The highest percent that is allowable. **Schema Term Name:** MaximumPercent **Note:** Contract-It is used under the Quality Tolerance Information and gives the maximum percent above the contract quantity that will be accepted against a contract with no further negotiation. **Schema Data Type:** decimal **Schema XPath:** Contract / ContractDetails / ContractDetail / QuantityToleranceInformation / TolerancePercentRange / MaximumPercent

Maximum Quality The highest quality that is allowable **Schema Term Name:** MaximumQuality **Notes:** 1. contract-This is a numeric value or percentage. This may be a mandatory field, depending on what other fields and data are given under quality tolerance. 2. contract-This is a numeric value or percentage. This may be a mandatory field, depending on what other fields and data are given under quality tolerance.ContractThis is the maximum allowable value for a specific quality term. If the grade factor falls above this value, a premium or discount may apply or the shipment may be rejected. Highest value at which 0 premium or discount is taken or accepted against the contract. **Example:** Contract-If the max moisture on a contract is 15.0 or max FM is 2.0 **Synonym:** Contract-Grade Factor Max **Schema Data Type:** decimal **Schema XPath:** QualityMinimumAndMaximum / MaximumQuality

Maximum Quantity The highest quantity that is allowable **Schema Term Name:** MaximumQuantity **Note:** Contract-It is used under the Quality Tolerance Information and gives the maximum quantity above the contract quantity that will be accepted against a contract with no further negotiation. **Schema Data Type:** decimal **Schema XPath:** Contract / ContractDetails / ContractDetail / QuantityToleranceInformation / ToleranceQuantityRange / MaximumQuantity

Minimum Percent The lowest percent that is allowable. **Schema Term Name:** MinimumPercent **Notes:** 1. contract-It is used under the Quality Tolerance Information and gives the minimum percent below the contract quantity that will be accepted against a contract with no further negotiation. 2. contract-It is used under the Quality Tolerance Information and gives the minimum percent below the contract quantity that will be accepted against a contract with no further negotiation.Contract Quantity ToleranceThis value is negative if it falls below the original contract value **Example:** Contract Quantity Tolerance--10 % **Schema Data Type:** decimal **Schema XPath:** Contract / ContractDetails / ContractDetail / QuantityToleranceInformation / TolerancePercentRange / MinimumPercent

Minimum Quality The lowest quantity allowable **Schema Term Name:** MinimumQuality **Notes:** 1. Contract-This is a numeric value or percentage. This may be a mandatory field, depending on what other fields and data are given under quality tolerance. 2. Contract-This is a numeric value or percentage. This may be a mandatory field, depending on what other fields and data are given under quality tolerance.ContractThis is the minimum allowable value for a specific quality term. If the grade factor falls below this value, a premium or discount may apply or the shipment may be rejected. Lowest value at which 0 premium or discount is taken or accepted against the contract. **Example:** Contract-If the min. protein to apply to the contract is 14.0 **Synonym:** Grade Factor Min- **Schema Data Type:** decimal **Schema XPath:** QualityMinimumAndMaximum / MinimumQuality

Minimum Quantity The highest quantity that is allowable **Schema Term Name:** MinimumQuantity **Note:** Contract-It is used under the Quality Tolerance Information and gives the maximum quantity above the contract quantity that will be accepted against a contract with no further negotiation. **Schema Data Type:** decimal **Schema XPath:** Contract / ContractDetails / ContractDetail / QuantityToleranceInformation / ToleranceQuantityRange / MinimumQuantity

Months of Year The long names for the months of the year **Schema Term Name:** MonthsOfYear **Note:** All-This is an enumerated list

Net Weight The grouping of data elements that identify the weight of the commodity only before any quality deductions are taken (like dockage and foreign material). **Schema Term Name:** NetWeight **Notes:** 1. Commodity Movement-For truck and rail, the Weight Start Date Time and Weight End Date Time is not filled in here. For Barge, where no Tare and Gross are taken the Weight Start Date Time and Weight End Date Time is recorded here. 2. Commodity Movement-For truck and rail, the Weight Start Date Time and Weight End Date Time is not filled in here. For Barge, where no Tare and Gross are taken the Weight Start Date Time and Weight End Date Time is recorded here.Weight CertificateFor truck and rail, the Weight Start Date Time and Weight End Date Time is not filled in here. For Barge, where no Tare and Gross are taken the Weight Start Date Time and Weight End Date Time is recorded here. **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight 2. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight

Notify Party A grouping of data elements that identify the Entity Name and Contact Information for parties like banks, trading partners, or insurance agencies that need to be informed about this quality information. **Schema Term Name:** NotifyParty **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / NotifyParty 2. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / NotifyParty 3. QualityCertificate / QualityCertificateHeader / NotifyParty

Old Quality Certificate Header Identifier A string value that represents the previous quality certificate identifier that was replaced by a re-issued quality certificate. It's part of the GIPSA internally kept audit trail. **Schema Term Name:** OldQualityCertificateIdentifier

Schema Data Type: string **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / OldQualityCertificateIdentifier 2. QualityCertificate / QualityCertificateHeader / OldQualityCertificateIdentifier

Origin The Location and Address for the last site where the commodity is loaded, where the trip begins. If more than one origin then assume more than one Bill Of Lading. **Schema Term Name:** Origin **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / Origin 2. CommodityMovement / ShipmentInformation / Origin

Original Contract Detail Information Gives the commodity, quantity, and delivery period details of the contract to be priced. **Schema Term Name:** OriginalContractDetailInformation **Note:** Contract Pricing-This will be used to help match up pricings with original contracts **Schema Data Type:** wrapper **Schema XPath:** ContractPricing / ContractPricingDetail / OriginalContractDetailInformation

Original Contract Header Information Wrapper for Document Originator, Buyer, Seller, and Agent information for the contract to be priced. **Schema Term Name:** OriginalContractHeaderInformation **Note:** Contract Pricing-This will be used to help match up pricings with original contracts **Schema Data Type:** wrapper **Schema XPaths:** 1. ContractPricing / ContractPricingHeader / Buyer / OriginalContractHeaderInformation 2. ContractPricing / ContractPricingHeader / Seller / OriginalContractHeaderInformation 3. ContractPricing / ContractPricingHeader / Agent / OriginalContractHeaderInformation

Original Price Information Details what the original price was of the contract prior to pricing **Schema Term Name:** OriginalPriceInformation **Note:** Contract Pricing-This is optional since the original contract information is not as important as the current pricing information **Schema Data Type:** wrapper **Schema XPath:** ContractPricing / ContractPricingDetail / OriginalPriceInformation

Payment Term An individual rules in the contract by which the buyer must pay the seller. **Schema Term Name:** PaymentTerm **Note:** Contract-This is a repeatable field, so a contract may have several payment terms based on time periods or other events. **Example:** Contract-None-wrapper **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / PaymentTerms / PaymentTerm

Payment Term Hold Payment Date The date that a producer or dealer customer wants to hold the delivery of payment until. This is usually to allow the customer to manager cash flow or tax liability. **Schema Term Name:** PaymentTermHoldPaymentDate **Schema Data Type:** date **Schema XPath:** Contract / ContractDetails / ContractDetail / PaymentTerms / PaymentTermHoldPaymentDate

Payment Term Time The number of days, weeks, or months the buyer has before it must pay the seller. **Schema Term Name:** PaymentTermTime **Note:** Contract-This is a decimal field, so only the number will go in this field. The notation if it is a day, week, or month is defined in the time quantity unit of measure attribute **Example:** Contract-Example text. **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / PaymentTerms / PaymentTerm / PaymentTermTime

Payment Term Type Defines what documents or events must be in place and how payment will be handled from the buyer to the seller. **Schema Term Name:** PaymentTermType **Note:** Contract-This is an enumerated list **Example:** Contract-At time of settlement, Cash against Documents, cash in advance **Schema Data Type:** PaymentTermType: At Time of Settlement, Bill of Lading, Bonded by Warehouse, Cash Against Documents, Cash Against Mates Receipt, Cash in Advance, Draft Bill of Lading, Letter of Credit, Letter of Credit Draft Bill of Lading, Inter-Department Transfer, Net, Prepay, Sight Draft, Wire Transfer, Wire Transfer Against Invoice and Documents, Usual Terms **Schema XPath:** Contract / ContractDetails / ContractDetail / PaymentTerms / PaymentTerm / PaymentTermType

Payment Terms The wrapper for the rules and time periods defined in the contract by which the buyer must pay the seller. **Schema Term Name:** PaymentTerms **Note:** Contract-Must pick a payment term from an enumerated list under Payment Term Type. Either a Standard Payment Term or an Other Payment Term must be defined. This is mandatory due to NGFA trade rules. **Example:** None-Wrapper- **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / PaymentTerms

Payment Terms Description Any further payment information to further detail how or when the payment should take place. **Schema Term Name:** PaymentTermsDescription **Note:** contract-Since there is an enumerated list associated with Payment Terms Type, that must be used to give the primary information. This is only to be used for additional information. **Schema Data Type:** string **Schema XPath:** Contract / ContractDetails / ContractDetail / PaymentTerms / PaymentTermsDescription

Percent Allocation Is the specific percent of a whole shipment that is applied to a specific contract or contract type in a specific sequence. This is usually defined by the seller. **Schema Term Name:** PercentAllocation **Notes:** 1. Commodity Movement-The allocation can be either a quantity or a percent. 2. Commodity Movement-The allocation can be either a quantity or a percent.Commodity MovementSee Quantity Allocation **Schema Data Type:** decimal **Schema XPath:** PercentAllocation

Permit Identifier The alpha numeric code to identify a permit. The number is assigned by the railroads. **Schema Term Name:** PermitIdentifier **Example:** Bill of Lading-39945 **Schema Data Type:** string **Schema XPath:** BillOfLading / BillOfLadingDetail / BillOfLadingLine / PermitInformation / PermitIdentifier

Permit Identifier Type Identifies the kind of permit that is assigned by the railroad. **Schema Term Name:** PermitIdentifierType **Example:** Bill of lading-CLOCK | COT | GEEP | Grain Authorization | Lease | PERX | Pool | Permit | SCO | Voucher **Schema Data Type:** PermitIdentifierType: CLOCK, COT, GEEP, Grain Authorization, Lease, PERX, Pool, Permit, SCO, Voucher **Schema XPath:** BillOfLading / BillOfLadingDetail / BillOfLadingLine / PermitInformation / PermitIdentifierType

Permit Information A wrapper for the permit information. Handles a list of permits on bill of lading for the vouchers, permits, or pools granting permissions to move the shipment. Railroad authority for rates and or terms assigned by railroad. Used to link to freight contracts and agreements with the carrier to outline what can be done. **Schema Term Name:** PermitInformation **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingDetail / BillOfLadingLine / PermitInformation

Postal Code The postal code used for final sorting by local or regional delivery unit. Different countries have their own coding systems and formats for this. **Schema Term Name:** PostalCode **Example:** 62526- **Synonym:** Zip Code- **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightPayer / EntityInformation / Address / PostalCode 2. Contract / ContractHeader / Buyer / EntityInformation / Address / PostalCode 3. Contract / ContractHeader / Seller / EntityInformation / Address / PostalCode 4. Contract / ContractHeader / Agent / EntityInformation / Address / PostalCode 5. ContractPricing / ContractPricingHeader / Buyer / EntityInformation / Address / PostalCode 6. ContractPricing / ContractPricingHeader / Seller / EntityInformation / Address / PostalCode 7. ContractPricing / ContractPricingHeader / Agent / EntityInformation / Address / PostalCode 8. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / PostalCode 9. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / PostalCode 10. QualityCertificate / QualityCertificateHeader / InspectionServiceProvider / IssuedFrom / LocationInformation / Address / PostalCode 11. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / IssuedFrom / LocationInformation / Address / PostalCode

Pre-Advise When the shipper notifies the buyer or destination of a unit of commodity that is to be shipped.

Premium And Discount Information Any grade or factor that would effect the contract price either positively or negatively. This is the wrapper to the applicable discount schedule and premium and discount schedule terms. **Schema Term Name:** PremiumAndDiscountInformation **Note:** Contract-One of the most in-depth and complicated part of the scope. The schema is only used to transmit the data, not to calculate. This will be closely addressed and tested in the pilot. This is an optional field. **Example:** None-Wrapper- **Synonym:** Contract-Discount Schedules, PID's **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / PremiumAndDiscountInformation

Premium And Discount Limit Condition Details how the quality factor should be treated if it falls outside of an acceptable range. **Schema Term Name:** PremiumAndDiscountLimitCondition **Notes:** 1. Contract-This is an enumerated list 2. Contract-This is an enumerated listContractThe schema allows for the choice of a price discount, quality discount, or limit condition. 3. Contract-This is an enumerated listContractThe schema allows for the choice of a price discount, quality discount, or limit condition.ContractThis could be used for any of the Measurement Names that do not have a specific price or quantity associated with them (Starlink or Aflatoxin--rejectable). Must have either a Premium Or Discount Price / Quantity Premium Or Discount or a Limit Condition. This could be at the top or bottom of the range. **Example:** Contract-Negotiate, reject, subject to rejection **Schema Data Type:** PremiumAndDiscountLimitCondition: Negotiate, Reject, Subject to Rejection **Schema XPath:** PremiumAndDiscountLimitCondition

Premium And Discount Measurement The factor min/max and measurement increment which a premium or discount will be paid. The fields that hold the data which will be integration for the calculation of the premium or discounts. This may include those quality terms that are subject to rejection. **Schema Term Name:** PremiumAndDiscountMeasurement **Notes:** 1. Contract-These fields will be used for Factor measurements as defined in Measurement Type. 2. Contract-These fields will be used for Factor measurements as defined in Measurement Type.ContractThe schema must have either a Measurement or Condition Exists. 3. Contract-These fields will be used for Factor measurements as defined in Measurement Type.ContractThe schema must have either a Measurement or Condition Exists.ContractThere is no overlapping of ranges and an entire range must be transmitted from 0 to 999999. **Example:** Contract-None-Wrapper **Schema Data Type:** wrapper **Schema XPath:** PremiumAndDiscountMeasurement

Premium And Discount Measurement Code This is the code for the quality term which a premium or discount is being paid and is not defined by Standards Authority. **Schema Term Name:** PremiumAndDiscountMeasurementCode **Note:** Contract-This will only be used if the measurement type is a factor which a premium or discount is being paid. This list is not enumerated to accommodate specialty factors and non-approved varieties of grains. This code must correspond to the Premium And Discount Measurement Name. **Schema Data Type:** string **Schema XPath:** PremiumAndDiscountMeasurementInformation / PremiumAndDiscountMeasurementCode

Premium And Discount Measurement Exists Flag Defines if it is True or False, yes or no. This field will be used if the premium and discount quality factor name type under Premium And Discounts is Grade or a non-measurable Factor (musty). **Schema Term Name:** PremiumAndDiscountMeasurementExistsFlag **Note:** Contract-The schema must have either a Measurement or Condition Exists. **Example:** Contract-True or false **Schema Data Type:** boolean **Schema XPath:** PremiumAndDiscountMeasurementExistsFlag

Premium And Discount Measurement From The value which the premium or discount calculation is started for this range, it is the first value in the range. This could be a number above or below the measurement to value depending if the discount schedule goes in ascending or descending order. **Schema Term Name:** PremiumAndDiscountMeasurementFrom **Note:** Contract-Must be numeric value, "and above" is not accepted as a value. They must have both values--upper and lower bounds and include Quality Terms at 0 discount. No overlap between ranges; the next increment must be higher or lower then previous based on the smallest unit of measure for that factor (ex. TW lowest unit of measure is .1). This is a mandatory field. **Example:** Contract-From 100 to 54.0--0 discount / From 53.9 to 52.0--2c discount **Schema Data Type:** decimal **Schema XPath:** PremiumAndDiscountMeasurementFrom

Premium And Discount Measurement Increment The increment within the Measurement From and To range which the premium or discount will apply. **Schema Term Name:** PremiumAndDiscountMeasurementIncrement **Note:** Contract-This value cannot be less then the lowest unit of measure for that factor. A 0 increment could be used at the bottom or top of the entire range or within a range with no incremental premium or discount, the premium or discount is applied to the entire range. This is a mandatory field. **Example:** Contract-Each 1/2 from 15.0 to 16.0 **Schema Data Type:** decimal **Schema XPath:** PremiumAndDiscountMeasurementIncrement

Premium And Discount Measurement Information A wrapper for the non-standard quality terms for which a premium or discount will be paid. **Schema Term Name:** PremiumAndDiscountMeasurementInformation **Notes:** 1. Contract-None of these elements will be enumerated as to allow for non-standard quality terms. 2. Contract-None of these elements will be enumerated as to allow for non-standard

quality terms.ContractThe contract can have either Premium And Discount Quality Factor Information, which is enumerated, or Premium And Discount Measurement Information, which is not enumerated. **Schema Data Type:** wrapper **Schema XPath:** PremiumAndDiscountMeasurementInformation

Premium And Discount Measurement Name This is the long name for the quality term which a premium or discount is being paid and is not defined by Standards Authority. **Schema Term Name:** PremiumAndDiscountMeasurementName **Notes:** 1. Contract-This will only be used if the measurement type is a factor which a premium or discount is being paid. This list is not enumerated to accommodate specialty factors and non-approved varieties of grains. This may not have a code associated with it. 2. Contract-This will only be used if the measurement type is a factor which a premium or discount is being paid. This list is not enumerated to accommodate specialty factors and non-approved varieties of grains. This may not have a code associated with it.ContractFor ease of comparison the measurement names are to be entered alphabetically. **Example:** Contract-Oil, Aflatoxin, Starch **Schema Data Type:** string **Schema XPath:** PremiumAndDiscountMeasurementInformation / PremiumAndDiscountMeasurementName

Premium And Discount Measurement To The value which the premium or discount calculation is ended for this range, it is the last value in the range. This could be a number above or below the Measurement From value depending if the discount schedule goes in ascending or descending order. **Schema Term Name:** PremiumAndDiscountMeasurementTo **Note:** Contract-Must be numeric value, "and above" is not accepted as a value. The must have both values--upper and lower bounds and include Quality Terms at 0 discount. No overlap between ranges; the next increment must be higher or lower then previous based on the smallest unit of measure for that factor (ex. TW lowest unit of measure is .1). This is a mandatory field. **Example:** Contract-From 100 to 54.0--0 discount / From 53.9 to 52.0--2c discount **Schema Data Type:** decimal **Schema XPath:** PremiumAndDiscountMeasurementTo

Premium And Discount Measurement Type This is an enumerated list defining if it is a Factor discount or Grade discount. **Schema Term Name:** PremiumAndDiscountMeasurementType **Note:** Contract-A factor discount is for a specific quality factor (moisture) and will have measurements associated with it. A Grade discount is for a numeric grade factor (#3) will have a Condition Exists associated with it, explicit discount/premium. **Example:** Contract-Factor or Grade **Schema Data Type:** PremiumAndDiscountMeasurementType: Quality Factor, Grade **Schema XPath:** Contract / ContractDetails / ContractDetail / PremiumAndDiscountInformation / PremiumAndDiscountSchedules / PremiumAndDiscountMeasurementType

Premium And Discount Price The amount taken off or added on to the contract price for each Measurement Increment. **Schema Term Name:** PremiumAndDiscountPrice **Note:** Contract-A premium will be represented as a positive number and a discount as a negative number. Must have either a Premium Or Discount Price / Premium Or Discount Quantity or a Limit Condition. Number should be entered as whole (.005 for 1/2c). **Example:** Contract-none-wrapper **Schema Data Type:** wrapper **Schema XPath:** PremiumAndDiscountPrice

Premium And Discount Quality Factor Code Either the FGIS factor code or USDA grade code for the applicable Measurement Name which a premium or discount to apply. **Schema Term Name:** PremiumAndDiscountQualityFactorCode **Note:** Contract-This is an enumerated list **Example:** Contract-TW (test weight), FM (foreign material), USDA #2 **Schema Data Type:** QualityFactorCode: ADM, AFLATOXIN, ANFL, BADS, BADW, BC, BCFM, BLCH, BLAL, BLB, BLIT, BN, BNFM, BNS, BRDX, BRIT, C, CADM, CBUR, CCL, CH, CL, COFO, CROT, CRSE, CSF, CSTB, DEF, DENT, DGK, DH, DHV, DIAT, DISC, DK, DKT, DKG, DLQ, DYED, EHVY, ERC, ERG, FDK, FINE, FLIN, FLAD, FM, FMOR, FMOW, FMWR, FN, FSUB, GAR, GARB, GLAS, GERM, GLUC, GR, HARD, HT, HRS, HRW, HTG, HP, HPFM, HVAC, HVY, IADM, IBF, IBHT, IBM, IDK, INF, LGAR, LGST, LIME, LSM, LW, M, MB, MDK, MDKG, MOTH, MSFM, MUST, MWTH, NSG, OCL, OCOL, ODK, ODOR, OG, OIL, OLI, OT, OWH, PL, PMS, PROT, RODX, SB, SBAL, SBLY, SBOC, SC, SCOR, SCT, SCL, SG, SHBN, SKBN, SKD, SLW, SMUT, SMT, SO, SOUR, SPL, SS, STON, STND, SULF, THIN, TOM, TRET, TW, UMT, UNCL, VOMITOXIN, WASH, WAXY, WB, WBG, WHAL, WHT, WO, WOCL, X **Schema XPath:** PremiumAndDiscountQualityFactorInformation / PremiumAndDiscountQualityFactorCode

Premium and Discount Quality Factor Information A wrapper for the quality factor code and name for a premium and discount schedule. These are factors that can be enumerated and are based on the defined factors from a standards authority. **Schema Term Name:** PremiumAndDiscountQualityFactorInformation **Note:** Contract-Note text. **Example:** Contracts-None-wrapper **Schema Data Type:** wrapper **Schema XPath:** PremiumAndDiscountQualityFactorInformation

Premium and Discount Quality Factor Name The long name for the quality characteristic which a discount or premium will apply. **Schema Term Name:** PremiumAndDiscountQualityFactorName **Notes:** 1. Contract-This is an enumerated list. 2. Contract-This is an enumerated list.ContractFor ease of comparison, the factor names are to be entered alphabetically. **Example:** contract-Moisture, Test Weight **Schema Data Type:** QualityFactorName: Admixture, Aflatoxin, Angoumois Moths, Animal Filth, Badly Stained, Badly Weathered, Bird Excreta, Bleached, Blight, Blue Aleurone, Blue Barley, Bottom Not Sampled, Bright, Broken Corn, Broken Corn and Foreign Material, Broken Glass, Broken Kernels, Broken Kernels and Foreign Material, Castor Beans, Choice, Class, Coarse, Cockleburs, Commercially Objectionable Foreign Odor, Conspicuous Admixture, Contrasting Classes, Corn, Crotalaria, Cultivated Sunflower Seed, Damaged Kernels, Damaged Kernels (total), Dark Hard and Vitreous, Defects (total), Dehulled, Dent, Diatomaceous Earth, Distinctly Discolored, Distinctly Green Kernels, Distinctly Low Quality, Dockage, Dyed, Ergoty, Erucic Acid, Extra Heavy, Falling Numbers, Fine Foreign Material, Flint, Flint and Dent, Foreign Material, Foreign Material Other than Rye, Foreign Material Other than Wheat, Foreign Material Other than Wheat or Rye, Frost-damaged Kernels, Garlic Bulblets, Garlicky, Glucosinolates, Germ, Grain, Handpicked, Handpicked Foreign Material, Hard and Vitreous Kernels of Amber Color, Hard Kernels, Heat-damaged Kernels, Hard Red Winter, Hard Red Spring, Heating, Heavy, Inconspicuous Admixture, Infested, Injured by Frost, Injured by Heat, Injured by Mold, Insect-damaged Kernels, Large stones etc., Light Garlicky, Light Smutty, Limed, Machine Separated Broken Kernels and FM, Malting Barley, Materially Weathered, Mechanically Separated Dockage, Mixed, Moisture, Mold-damaged Kernels, Musty, Not Standardized Grain, Odor, Oil, Other Classes, Other Colors, Other Damaged Kernels, Other Grains, Other Live Insects Injurious to Stored Grain, Other Types, Other White Wheat, Plump, Protein, Purple Mottled or Stained, Rodent Excreta, Sample Grade, Sclerotinia, Scoured, Shrunken and Broken Kernels, Similar Seeds, Skinned and Broken Kernels, Slightly Weathered, Smut Balls, Smutty, Sound Barley, Sound Oats, Sour, Soybeans, Soybeans of Other Colors, Splits, Stained, Stinkbug Damaged, Stones, Stress Cracks, Subclass, Suitable Malting Type, Sulfured, Test Weight, Thin, Total Other Material, Treated, Unclassed Wheat, Unknown Foreign Substance, Unsuitable Malting

Type, Vomitoxin, Washed, Waxy, Weevils (live), Wheat, Wheat of Other Classes, White Aleurone, Wild Brome Grass Seed, Wild Buckwheat, Wild Oats **Schema XPath:** PremiumAndDiscountQualityFactorInformation / PremiumAndDiscountQualityFactorName

Premium And Discount Quantity The percent taken off of contract quantity for each Measurement Increment. **Schema Term Name:** PremiumAndDiscountQuantity **Notes:** 1. Contract-Must have either a Premium Or Discount Price / Premium Or Discount Quantity or a Limit Condition. 2. Contract-Must have either a Premium Or Discount Price / Premium Or Discount Quantity or a Limit Condition.ContractDue to the enumeration list on the attribute, it for percents only. **Example:** Contract-"1" % of gross **Schema Data Type:** wrapper **Schema XPath:** PremiumAndDiscountQuantity

Premium And Discount Quantity Type Defines of what measurement the percent discount will be taken for a specific quality term factor. **Schema Term Name:** PremiumAndDiscountQuantityType **Note:** contract-The enumeration is currently set up only for percentages, but that could be expanded as needed.

Premium And Discount Schedule The numeric values paid above or discounted from the contract price or quantity if the commodity falls above or below certain defined quality terms. This is a wrapper for all of measurement and price factors. **Schema Term Name:** PremiumAndDiscountSchedule **Note:** Contract-It was very difficult to capture one schema that works for all premium and discounts. This will need to be tested extensively in the pilot. The industry has business rules of how to calculate values--either stand alone or cumulative. This is a repeatable field and will be used many times for 1 factor or several factors. **Example:** contract-See attached Protein Premium table. **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / PremiumAndDiscountInformation / PremiumAndDiscountSchedules / PremiumAndDiscountSchedule

Premium And Discount Schedule Description Any additional description for the specific premium and discount schedule. This is the information that will not be used for integration, but rather the textural information that is used for display or printing. **Schema Term Name:** PremiumAndDiscountScheduleDescription **Example:** Contact-Moisture--2 cents each 1/2 % from 15%- 16%, 3 cents each 1/2 percent above 16. **Schema Data Type:** string **Schema XPath:** Contract / ContractDetails / ContractDetail / PremiumAndDiscountInformation / PremiumAndDiscountSchedules / PremiumAndDiscountScheduleDescription

Premium And Discount Schedules A wrapper for all of the premium and discount details regarding what quality factor and how those effect price or contract quantity. **Schema Term Name:** PremiumAndDiscountSchedules **Note:** Contract-This is different from Applicable Premium And Discount Schedules, because this is a specific discount schedule with specific terms associated with it. Opposed to a general commonly used discount schedule. **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / PremiumAndDiscountInformation / PremiumAndDiscountSchedules

Premium And Discount Standard Measurement Name This is the long name for the quality term which a premium or discount is being paid and is defined by the Standards Authority. **Schema Term Name:** PremiumAndDiscountMeasurementName **Note:** Contract-If the Measurement Type is a Factor, this is the name of the Factor which a premium or discount is being paid as defined by the standards authority. If the Measurement Type is a Grade, this is the full grade name based on how USDA writes it out. This list is enumerated from the standards authority table. This will have a code associated with it. **Example:** Factor--Protein, Grade--US #2 Hard Red Winter Wheat- **Schema Data Type:** string **Schema XPath:** PremiumAndDiscountMeasurementInformation / PremiumAndDiscountMeasurementName

Prepared By The Entity Name, Address and Contacts for the creator of a document. **Schema Term Name:** PreparedBy **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / PreparedBy

Price The monetary value associated with the price to be paid or discounted per some unit of measure associated with a currency code. **Schema Term Name:** Price **Note:** All-This element would be used in several places and in several different schemas. The values should be entered as whole values. **Example:** All-5.25 or .005 **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / FreightRateInformation / FreightRate / Price 2. Contract / ContractDetails / ContractDetail / SpecialTerms / SpecialTerm / SpecialTermRate / Price 3. ContractPricing / ContractPricingDetail / PriceInformation / BasisPrice / Price 4. ContractPricing / ContractPricingDetail / OriginalPriceInformation / BasisPrice / Price 5. ContractPricing / ContractPricingDetail / PriceInformation / FlatPrice / Price 6. ContractPricing / ContractPricingDetail / OriginalPriceInformation / FlatPrice / Price 7. ContractPricing / ContractPricingDetail / PriceInformation / FuturesPrice / Price 8. ContractPricing / ContractPricingDetail / OriginalPriceInformation / FuturesPrice / Price 9. CommodityMovement / ShipmentInformation / FreightRateInformation / FreightRate / Price

Price Information A wrapper for all of the pricing detail and information of the contract or pricing. **Schema Term Name:** PriceInformation **Notes:** 1. Contract-This is an optional field, since contracts can go unpriced (DP or price later). 2. Contract-This is an optional field, since contracts can go unpriced (DP or price later).Contract PricingThis is the primary part of the Contract Pricing **Example:** Contract-None-Wrapper **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / PriceInformation 2. ContractPricing / ContractPricingDetail / PriceInformation

Price Type This is defines which of the pricing elements (basis, futures, flat or none) are agreed upon at time of contract. Any additional pricing elements will be priced out in future amendments. **Schema Term Name:** PriceType **Notes:** 1. Contract-This is a mandatory field and an enumerated list. Some companies may have multiple price types (unpriced/basis), but we decided that is an integration issue, not an industry standard. The schema will not be used for any storage contracts, only contract types when ownership transfers hands. 2. Contract-This is a mandatory field and an enumerated list. Some companies may have multiple price types (unpriced/basis), but we decided that is an integration issue, not an industry standard. The schema will not be used for any storage contracts, only contract types when ownership transfers hands.ContractEnumeration: DP--Delayed price. The ownership has transferred, but no futures, basis, nor flat price is established. 3. Contract-This is a mandatory field and an enumerated list. Some companies may have multiple price types (unpriced/basis), but we decided that is an integration issue, not an industry standard. The schema will not be used for any storage contracts, only contract types when ownership transfers hands.ContractEnumeration: DP--Delayed price. The ownership has transferred, but no futures, basis, nor flat price is

established.ContractEnumeration: Flat--The ownership has transferred and the cash price per unit of measure is established. The Futures and Basis may also be established, but not mandatory. 4. Contract-This is a mandatory field and an enumerated list. Some companies may have multiple price types (unpriced/basis), but we decided that is an integration issue, not an industry standard. The schema will not be used for any storage contracts, only contract types when ownership transfers hands.ContractEnumeration: DP--Delayed price. The ownership has transferred, but no futures, basis, nor flat price is established.ContractEnumeration: Flat--The ownership has transferred and the cash price per unit of measure is established. The Futures and Basis may also be established, but not mandatory.ContractEnumeration: Basis--The ownership has transferred and only the basis price is established. Neither the futures nor the flat price is established. 5. Contract-This is a mandatory field and an enumerated list. Some companies may have multiple price types (unpriced/basis), but we decided that is an integration issue, not an industry standard. The schema will not be used for any storage contracts, only contract types when ownership transfers hands.ContractEnumeration: DP--Delayed price. The ownership has transferred, but no futures, basis, nor flat price is established.ContractEnumeration: Flat--The ownership has transferred and the cash price per unit of measure is established. The Futures and Basis may also be established, but not mandatory.ContractEnumeration: Basis--The ownership has transferred and only the basis price is established. Neither the futures nor the flat price is established.ContractEnumeration: Futures--The ownership has transferred and only the futures price is established. Neither the flat nor basis prices are established. **Example:** Contract-Basis, Flat **Schema Data Type:** PriceType: Basis, Delayed Price, Flat, Futures **Schema XPath:** Contract / ContractDetails / ContractDetail / PriceType

Price Type From The type of the original contract before the contract pricing occurs. **Schema Term Name:** PriceTypeFrom **Notes:** 1. Contract Pricing-Price Type From is an enumerated list from Price Type 2. Contract Pricing-Price Type From is an enumerated list from Price TypeContract PricingPrice Type From and Price Type To must be different Price Types **Schema Data Type:** PriceType: Basis, Delayed Price, Flat, Futures **Schema XPath:** ContractPricing / ContractPricingDetail / PriceTypeFrom

Price Type To The type of contract to which the contract pricing is turning original contract. **Schema Term Name:** PriceTypeTo **Notes:** 1. Contract Pricing-This is an enumerated list of Price Type. 2. Contract Pricing-This is an enumerated list of Price Type.Contract PricingPrice Type To and Price Type From must be different price types **Schema Data Type:** PriceType: Basis, Delayed Price, Flat, Futures **Schema XPath:** ContractPricing / ContractPricingDetail / PriceTypeTo

Pricing Code Identifies if the contract pricing is a pricing or pricing reversal **Schema Term Name:** PricingCode **Note:** Contract Pricing-This will fit in closely with the Price Type From and Price Type To **Schema Data Type:** PricingCode: Pricing, Pricing Reversal **Schema XPath:** ContractPricing / ContractPricingDetail / PricingCode

Pricing Method Identifies how the contract pricing is going to be executed; if futures are going to be exchanged or if it is going to be spotted at current market value. **Schema Term Name:** PricingMethod **Notes:** 1. Contract Pricing-This is an enumerated list 2. Contract Pricing-This is an enumerated listContract PricingOrder= futures are to be executed for the pricing; Spot= a pricing is to be done at current market value and no futures are executed **Example:** Contract Pricing-Order or Spot **Schema Data Type:** PricingMethod: Exchange, Order, Spot **Schema XPath:** ContractPricing / ContractPricingDetail / PricingMethod

Pricing Quantity This is the amount of grain or product that is being priced off of the original contract on one specific pricing. **Schema Term Name:** PricingQuantity **Note:** Contract Pricing-Business rules dictate this value cannot be more than original contract value **Schema Data Type:** wrapper **Schema XPath:** ContractPricing / ContractPricingDetail / PricingQuantity

Pricing Quantity Balance The balance of the original contract that does not yet have a flat price established for. **Schema Term Name:** PricingQuantityBalance **Note:** Contract Pricing-an unpriced contract may go to basis, but the entire quantity for the original contract will show as unpriced, since no flat price is yet established. **Example:** Contract Pricing-Original Contract: 100,000 bu; 40,000 priced as basis; 40,000 priced as flat price; 60,000 bushels Price Quantity Balance (the difference between original and flat price) **Schema Data Type:** wrapper **Schema XPath:** ContractPricing / ContractPricingDetail / PricingQuantityBalance

Probe Sample Depth A positive integer number that represents the depth of the probe from the surface when the sample was taken. Typically expressed in feet for GIPSA certificates. **Schema Term Name:** ProbeSampleDepth **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / SampleInformation / ProbeSampleDepth 2. QualityCertificate / QualityCertificateHeader / SampleInformation / ProbeSampleDepth

Quality Certificate A collection of the actual quality characteristics of physical grain as the result of some inspection event. This could be either official or estimated weights. **Schema Term Name:** QualityCertificate **Synonym:** All-Grade Certificate **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate 2. QualityCertificate

Quality Certificate Detail A wrapper for the detail information of quality factors. This could contain multiple sets quality factor information. **Schema Term Name:** QualityCertificateDetail **Note:** Commodity Movement and Quality cert-This is used both in the quality cert and the Commodity Movement **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateDetail 2. QualityCertificate / QualityCertificateDetail

Quality Certificate Header A wrapper for the header information of a quality certificate. **Schema Term Name:** QualityCertificateHeader **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader 2. QualityCertificate / QualityCertificateHeader

Quality Certificate Identifier The preprinted or typed identifier on the quality certificate document. **Schema Term Name:** QualityCertificateIdentifier **Note:** Quality Cert.-If no quality certificate identifier is given, use the vehicle alpha prefix and identifier. **Examples:**

1. Quality Cert-900123 2. Quality Cert-900123Quality CertCGAX 12345 **Schema Data Type:** string **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / QualityCertificateIdentifier 2. QualityCertificate / QualityCertificateHeader / QualityCertificateIdentifier

Quality Certificate Line The quality information and remark for a specific quality factor **Schema Term Name:** QualityCertificateLine **Notes:** 1. Commodity Movement-This is repeatable to allow for several quality factors 2. Commodity Movement-This is repeatable to allow for several quality factorsQuality CertificateThis is repeatable to allow for several quality factors **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateDetail / QualityCertificateLine 2. QualityCertificate / QualityCertificateDetail / QualityCertificateLine

Quality Certificate Status A string value that describes the state of the Certificate. Example values include: Original, Canceled, Reissued, Corrected and Verified. The intended Release 1 scope for AgXML Quality Certificates was Original only. Re-issues aren't very common but could happen if original certificates are damaged in a flood. It's part of the GIPSA internally kept audit trail. **Schema Term Name:** QualityCertificateStatus **Schema Data Type:** QualityCertificateStatus: Canceled, Corrected, Original, Re-issued, Verified **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / QualityCertificateStatus 2. QualityCertificate / QualityCertificateHeader / QualityCertificateStatus

Quality Factor Code This is the standard alpha code for a specific quality term based on the Quality Factor Code Source. **Schema Term Name:** QualityFactorCode **Notes:** 1. All-This is an enumerated list 2. All-This is an enumerated listAllFor those **Example:** TW- **Schema Data Type:** QualityFactorCode: ADM, AFLATOXIN, ANFL, BADS, BADW, BC, BCFM, BLCH, BLAL, BLB, BLIT, BN, BNFM, BNS, BRDX, BRIT, C, CADM, CBUR, CCL, CH, CL, COFO, CROT, CRSE, CSF, CSTB, DEF, DENT, DGK, DH, DHV, DIAT, DISC, DK, DKT, DKG, DLQ, DYED, EHVY, ERC, ERG, FDK, FINE, FLIN, FLAD, FM, FMOR, FMOW, FMWR, FN, FSUB, GAR, GARB, GLAS, GERM, GLUC, GR, HARD, HT, HRS, HRW, HTG, HP, HPFM, HVAC, HVY, IADM, IBF, IBHT, IBM, IDK, INF, LGAR, LGST, LIME, LSM, LW, M, MB, MDK, MDKG, MOTH, MSFM, MUST, MWTH, NSG, OCL, OCOL, ODK, ODOR, OG, OIL, OLI, OT, OWH, PL, PMS, PROT, RODX, SB, SBAL, SBLY, SBOC, SC, SCOR, SCT, SCL, SG, SHBN, SKBN, SKD, SLW, SMUT, SMT, SO, SOUR, SPL, SS, STON, STND, SULF, THIN, TOM, TRET, TW, UMT, UNCL, VOMITOXIN, WASH, WAXY, WB, WBG, WHAL, WHT, WO, WOCL, X **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / QualityInformation / QualityFactorCode 2. Contract / ContractDetails / ContractDetail / ContractQualityInformation / QualityTerms / QualityTerm / QualityFactorCode 3. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation / QualityFactorCode 4. QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation / QualityFactorCode 5. QualityInformation / QualityFactorCode

Quality Factor Measurement A wrapper for data elements that represent the result of the inspection of the Quality Factor. **Schema Term Name:** QualityFactorMeasurement **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / QualityInformation / QualityFactorMeasurement 2. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation / QualityFactorMeasurement 3. QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation / QualityFactorMeasurement 4. QualityInformation / QualityFactorMeasurement

Quality Factor Name The long name for the quality characteristic. **Schema Term Name:** QualityFactorName **Note:** All-This is an enumerated list **Example:** Contract-Test Weight **Synonym:** Grade Factor Name- **Schema Data Type:** QualityFactorName: Admixture, Aflatoxin, Angoumois Moths, Animal Filth, Badly Stained, Badly Weathered, Bird Excreta, Bleached, Blight, Blue Aleurone, Blue Barley, Bottom Not Sampled, Bright, Broken Corn, Broken Corn and Foreign Material, Broken Glass, Broken Kernels, Broken Kernels and Foreign Material, Castor Beans, Choice, Class, Coarse, Cockleburs, Commercially Objectionable Foreign Odor, Conspicuous Admixture, Contrasting Classes, Corn, Crotalaria, Cultivated Sunflower Seed, Damaged Kernels, Damaged Kernels (total), Dark Hard and Vitreous, Defects (total), Dehulled, Dent, Diatomaceous Earth, Distinctly Discolored, Distinctly Green Kernels, Distinctly Low Quality, Dockage, Dyed, Ergoty, Erucic Acid, Extra Heavy, Falling Numbers, Fine Foreign Material, Flint, Flint and Dent, Foreign Material, Foreign Material Other than Rye, Foreign Material Other than Wheat, Foreign Material Other than Wheat or Rye, Frost-damaged Kernels, Garlic Bulblets, Garlicky, Glucosinolates, Germ, Grain, Handpicked, Handpicked Foreign Material, Hard and Vitreous Kernels of Amber Color, Hard Kernels, Heat-damaged Kernels, Hard Red Winter, Hard Red Spring, Heating, Heavy, Inconspicuous Admixture, Infested, Injured by Frost, Injured by Heat, Injured by Mold, Insect-damaged Kernels, Large stones etc., Light Garlicky, Light Smutty, Limed, Machine Separated Broken Kernels and FM, Malting Barley, Materially Weathered, Mechanically Separated Dockage, Mixed, Moisture, Mold-damaged Kernels, Musty, Not Standardized Grain, Odor, Oil, Other Classes, Other Colors, Other Damaged Kernels, Other Grains, Other Live Insects Injurious to Stored Grain, Other Types, Other White Wheat, Plump, Protein, Purple Mottled or Stained, Rodent Excreta, Sample Grade, Sclerotinia, Scoured, Shrunken and Broken Kernels, Similar Seeds, Skinned and Broken Kernels, Slightly Weathered, Smut Balls, Smutty, Sound Barley, Sound Oats, Sour, Soybeans, Soybeans of Other Colors, Splits, Stained, Stinkbug Damaged, Stones, Stress Cracks, Subclass, Suitable Malting Type, Sulfured, Test Weight, Thin, Total Other Material, Treated, Unclassed Wheat, Unknown Foreign Substance, Unsuitable Malting Type, Vomitoxin, Washed, Waxy, Weevils (live), Wheat, Wheat of Other Classes, White Aleurone, Wild Brome Grass Seed, Wild Buckwheat, Wild Oats **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / QualityInformation / QualityFactorName 2. Contract / ContractDetails / ContractDetail / ContractQualityInformation / QualityTerms / QualityTerm / QualityFactorName 3. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation / QualityFactorName 4. QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation / QualityFactorName 5. QualityInformation / QualityFactorName

Quality Factor Unit of Measure Defines the smallest piece to which a quality factor applies. **Schema Term Name:** QualityFactorUnitOfMeasure **Note:** Contract-One place it is used is as an attribute to Premium and Discount Measurement to define to what size, percent, or count the premium or discount will be applied. These will fall in line with established business rules of how the Measurement Name and Code are graded. **Example:** Pounds per bushel, percent, count, PPB, PPM-

Quality Factor Value The measured value of the quality factor. **Schema Term Name:** QualityFactorValue **Schema Data Type:** wrapper **Schema XPaths:** 1. QualityFactorValue 2. QualityFactorValue 3. QualityFactorValue 4. QualityFactorValue

Quality Grouping The unit size by which the quality term is defined **Schema Term Name:** QualityGrouping **Note:** contract-This is an attribute to Quality Term. **Example:** Contract-Average Moisture 15.0% per 5-car average **Synonym:** Per car, per unit,-

Quality Information A wrapper for the elements that will describe the quality factors and their measurements. **Schema Term Name:** QualityInformation **Notes:** 1. Bill of lading-This is used in the Bill of Lading and Quality Certificate 2. Bill of lading-This is used in the Bill of Lading and Quality CertificateQuality CertificateThis is used in the Bill of Lading and Quality Certificate **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / QualityInformation 2. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation 3. QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation 4. QualityInformation

Quality Minimum and Maximum This is a wrapper for the minimum and maximum allowable values for a specific grade factor. If the grade factor falls outside of this range, a premium or discount schedule will apply. **Schema Term Name:** QualityMinimumandMaximum **Note:** Contract-This is a numeric value or percentage as defined by the quality unit of measure. This is mutually exclusive from the individual Max or Min or Average fields and is mandatory if an individual max, min or average is not given. **Example:** Contract-None-wrapper **Synonym:** Quality Range-

Quality Term This is one specific quality factor constraint, max, min, or average, which is contracted. **Schema Term Name:** QualityTerm **Note:** Contract-Since this is a parent element, it will not have any data. This is a repeatable field and could have an unlimited number. **Example:** Contract-None-wrapper **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / ContractQualityInformation / QualityTerms / QualityTerm

Quality Terms Since not all quality terms are associated with grade (i.e. moisture) there needs to be additional holders for that information under commodity beyond grade information. This is the grouping of quality standards on which the price is based. This is a parent container under which, the various different quality types are included. If the grades fall outside of these ranges, then the contracted premium and discount schedules apply. **Schema Term Name:** QualityTerms **Notes:** 1. Contract-This is and optional grouping. This will not actually hold any data, only a wrapper to the data under it. 2. Contract-This is and optional grouping. This will not actually hold any data, only a wrapper to the data under it.ContractIf the grades are for batch weights, composite, etc, that will fall under the remark for the specific quality term or terms 3. Contract-This is and optional grouping. This will not actually hold any data, only a wrapper to the data under it.ContractIf the grades are for batch weights, composite, etc, that will fall under the remark for the specific quality term or termsContractFor ease of comparison, the quality terms are to be entered alphabetically. **Example:** Contract-None-Wrapper **Synonym:** Grade Tolerances, grade allowance- **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / ContractQualityInformation / QualityTerms

Quality Tolerance This is the actual max, min, or average for a contracted grade factor. This is a parent element to the numeric values. **Schema Term Name:** QualityTolerance **Note:** Contract-Since this is a parent, it will not actually hold any data. It can have both a max and min, or one of max or min or average. This is a required field of there are quality terms. **Example:** Contract-None-wrapper **Synonym:** Allowable grade factors, Required grade factors (Max allowable, Min required)- **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / ContractQualityInformation / QualityTerms / QualityTerm / QualityTolerance

Quantity The numeric value that corresponds to the Quantity Unit Of Measure. **Schema Term Name:** Quantity **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / VehicleNetQuantity / Quantity 2. CommodityMovement / ShipmentInformation / ShipmentSize / Quantity

Quantity Allocation Is the specific quantity, bushels, pounds, etc., that is applied to a specific contract or contract type in a specific sequence. **Schema Term Name:** QuantityAllocation **Notes:** 1. Commodity Movement-The allocation can be either a quantity or percent. 2. Commodity Movement-The allocation can be either a quantity or percent.Commodity MovementSee Percent Allocation **Schema Data Type:** wrapper **Schema XPath:** QuantityAllocation

Quantity Determination Method The method by which the quantity was determined. **Schema Term Name:** QuantityDeterminationMethod **Example:** Contract-Actual, Draft, Estimated **Schema Data Type:** QuantityDeterminationMethod: Actual, Draft, Estimated **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / VehicleNetQuantity / QuantityDeterminationMethod 2. CommodityMovement / ShipmentInformation / ShipmentSize / QuantityDeterminationMethod

Quantity Tolerance Information The contains the value for the allowable quantity over or under a contracted quantity **Schema Term Name:** QuantityToleranceInformation **Notes:** 1. Contract-This is optional. It is a wrapper for the quality tolerance details. 2. Contract-This is optional. It is a wrapper for the quality tolerance details.ContractThe Quantity Tolerance can either be give in terms of a specific quantity or a percent above or below contract. 3. Contract-This is optional. It is a wrapper for the quality tolerance details.ContractThe Quantity Tolerance can either be give in terms of a specific quantity or a percent above or below contract.ContractSee NGFA &NOPA trade rules for quantity tolerance obligations for loading. **Example:** Contract-None-wrapper **Synonym:** Overs/unders- **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / QuantityToleranceInformation

Rail Or Barge Alpha Prefix The Rail Or Barge Alpha Prefix. **Schema Term Name:** RailOrBargeAlphaPrefix **Example:** BN, CP, UP- **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / VehicleIdentification / RailOrBargeAlphaPrefix 2. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / VehicleIdentification / RailOrBargeAlphaPrefix 3. QualityCertificate /

QualityCertificateHeader / VehicleIdentification / RailOrBargeAlphaPrefix 4. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / VehicleIdentification / RailOrBargeAlphaPrefix

Rail Routing A wrapper for the data elements that list of all carriers and locations in sequence. It describes the transportation trail. **Schema Term Name:** RailRouting **Note:** Bill of Lading-See NGFA & NOPA trade rules for rights and obligations of both the buyers and seller n regards to routing of the shipment. **Example:** Bill of Lading-CP - MPLS - Imrl - KC - UP **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / RailRouting

Rail Shipment Identifier A reference number identifying the entire movement, the shipment in its entirety. **Schema Term Name:** RailShipmentIdentifier **Example:** a train number, a lead car number- **Synonym:** unit train number- **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / RailShipmentIdentifier 2. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / RailShipmentIdentifier 3. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / RailShipmentIdentifier 4. QualityCertificate / QualityCertificateHeader / RailShipmentIdentifier 5. WeightCertificate / WeightCertificateHeader / RailShipmentIdentifier

Reference Identifier The identification of contract details so that it can be tracked into back office systems. For example, line items of a contract. **Schema Term Name:** ReferenceIdentifier **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractHeader / ReferenceIdentifier 2. ContractPricing / ContractPricingHeader / Buyer / OriginalContractHeaderInformation / ReferenceIdentifier 3. ContractPricing / ContractPricingHeader / Seller / OriginalContractHeaderInformation / ReferenceIdentifier 4. ContractPricing / ContractPricingHeader / Agent / OriginalContractHeaderInformation / ReferenceIdentifier

Reinspection Grades This is when the seller or shipper disagrees with the grades of the grade inspector. The seller or shipper requests a reinspection of the grain sample.

Remark General Remarks that corresponds to a wrapper element. These further define, classify, or give additional information of the element. **Schema Term Name:** Remark **Notes:** 1. All-This could be used for any of several wrappers, including, but not limited to Quality Terms, Grades, Weights, Special Terms. 2. All-This could be used for any of several wrappers, including, but not limited to Quality Terms, Grades, Weights, Special Terms.AllEach remark may contain separate sentences, but each remark will be referencing the same topic. 3. All-This could be used for any of several wrappers, including, but not limited to Quality Terms, Grades, Weights, Special Terms.AllEach remark may contain separate sentences, but each remark will be referencing the same topic.AllFor example, there may be one remark containing several sentences of quality terms. 4. All-This could be used for any of several wrappers, including, but not limited to Quality Terms, Grades, Weights, Special Terms.AllEach remark may contain separate sentences, but each remark will be referencing the same topic.AllFor example, there may be one remark containing several sentences of quality terms.ContractThe general contract remarks are for those remarks that are standard on all contracts. These are not remarks that are for one specific contract. The remarks are identified if they are part of the header or footer to indicate where the information should be displayed or printed. **Example:** Contract-Independent lab at buyers option **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / QualityInformation / Remark 2. Contract / ContractDetails / ContractDetail / ContractQualityInformation / QualityTerms / QualityTerm / Remark 3. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ContractCommodityInformation / Remark 4. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ShipmentOrDeliveryPeriod / Remark 5. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation / Remark 6. QualityCertificate / QualityCertificateDetail / QualityCertificateLine / QualityInformation / Remark 7. WeightCertificate / WeightCertificateHeader / Remark

Remark Type Defines the placement of the remark within the schema. **Schema Term Name:** RemarkType **Note:** all-This is an enumerated list of header or footer. **Example:** All-Header or Footer

Route Carrier Name The name of the carrier organization. **Schema Term Name:** RouteCarrierName **Example:** Bill of Lading-For example: BN, CP, UP **Schema Data Type:** string **Schema XPath:** BillOfLading / BillOfLadingHeader / RailRouting / RouteCarrierName

Route Carrier Sequence A description of the order a carrier is in the Rail Routing. **Schema Term Name:** RouteCarrierSequence **Example:** Bill of Lading-origin switch, linehaul, destination switch, 1st carrier after origin carrier, 2nd carrier after origin carrier, ---9th , truck, barge **Schema Data Type:** RouteCarrierSequence: 1st Carrier after Origin Carrier, 2nd Carrier after Origin Carrier, 3rd Carrier after Origin Carrier, 4th Carrier after Origin Carrier, 5th Carrier after Origin Carrier, 6th Carrier after Origin Carrier, 7th Carrier after Origin Carrier, 8th Carrier after Origin Carrier, 9th Carrier after Origin Carrier, Delivery Carrier, Delivery Switch Carrier, Origin Carrier, Origin Switch Carrier **Schema XPath:** BillOfLading / BillOfLadingHeader / RailRouting / RouteCarrierSequence

Route Type Designation of whose route governs on Bill of Lading. **Schema Term Name:** RouteType **Note:** Bill of Lading-Under the wrapper for Rail Routing **Example:** Bill of Lading-Enumerated list and choices are Buyer, Carrier, or Shipper **Schema Data Type:** RouteType: Buyer, Carrier, Shipper **Schema XPath:** BillOfLading / BillOfLadingHeader / RailRouting / RouteType

Rule 11 Applies A railroad term that implies freight payment terms. When there are more than one carrier involved and there are multiple payments, one for each carrier, then could have multiple payers. This means to prepay to first junction then collect from there. **Schema Term Name:** Rule11Applies **Schema Data Type:** boolean **Schema XPath:** BillOfLading / BillOfLadingHeader / FreightPaymentTerms / Rule11Applies

Sample Identifier The actual number or that identifies a unique sample to be graded or weighed. **Schema Term Name:** SampleIdentifier **Example:** Quality Certificate-hook number, tag number, pan ticket number **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate /

QualityCertificateHeader / SampleInformation / SampleIdentifier 2. QualityCertificate / QualityCertificateHeader / SampleInformation / SampleIdentifier

Sample Information A wrapper of data elements detailing how the sample is taken. **Schema Term Name:** SampleInformation **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / SampleInformation 2. QualityCertificate / QualityCertificateHeader / SampleInformation

Sample Method The means used to take the sample for grading. **Schema Term Name:** SampleMethod **Notes:** 1. Commodity Movement-Commodity Movement Quality Instruction Information details the instructions for sampling. 2. Commodity Movement-Commodity Movement Quality Instruction Information details the instructions for sampling.Commodity MovementSample Information details how the sample was actually taken **Example:** Quality certificate-Belt, Diverter, Pelican, Probe **Schema Data Type:** SampleMethod: Belt, Diverter, Door, Ellis Cup, Mechanical Diverter, Other, Pelican, Probe, Shallow Probe, Woodside **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / SampleInformation / SampleMethod 2. QualityCertificate / QualityCertificateHeader / SampleInformation / SampleMethod

Sample Official Category As defined by the USDA Grain Standards. Implies how official commodity sampling method was. **Schema Term Name:** SampleOfficialCategory **Example:** Contract-Official, submitted **Schema Data Type:** SampleOfficialCategory: Official, Submitted **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / SampleInformation / SampleOfficialCategory 2. QualityCertificate / QualityCertificateHeader / SampleInformation / SampleOfficialCategory

Sample Taken Date Time The date and time the sample was taken. **Schema Term Name:** SampleTakenDateTime **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / SampleInformation / SampleTakenDateTime 2. QualityCertificate / QualityCertificateHeader / SampleInformation / SampleTakenDateTime

Sample Weight A grouping of data elements that describe the weight of the sample. Synonym: Sample Size. **Schema Term Name:** SampleWeight **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / SampleInformation / SampleWeight 2. QualityCertificate / QualityCertificateHeader / SampleInformation / SampleWeight

Schedule Event Defines at what time the discount or premium will be determined. **Schema Term Name:** ScheduleEvent **Notes:** 1. Contract-This is a mandatory field. 2. Contract-This is a mandatory field.ContractAn enumerated list **Example:** Contract-At time of unload **Schema Data Type:** ScheduleEvent: At Time of Contract Creation, At Time of Load, At Time of Pricing, At Time of Settlement, At Time of Shipment, At Time of Unload **Schema XPath:** Contract / ContractDetails / ContractDetail / PremiumAndDiscountInformation / ApplicablePremiumAndDiscountSchedules / ApplicablePremiumAndDiscountSchedule / ScheduleEvent

Schedule Identifier The numeric Identifier for the Applicable Discount Schedule. **Schema Term Name:** ScheduleIdentifier **Note:** Contract-This will be used more as standard discount schedules are created and maintained by industry in a library. This is an optional field. **Example:** Commodity Movement-1234 **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / PremiumAndDiscountInformation / ApplicablePremiumAndDiscountSchedules / ApplicablePremiumAndDiscountSchedule / ScheduleIdentifier

Schedule Name The name for the discount schedule assigned to the contract by the contract originator.. **Schema Term Name:** ScheduleName **Note:** Contract-This is a mandatory field if Applicable Discount Schedule is given. **Example:** S.E. Scales; SB 200- **Synonym:** Discount Schedule- **Schema Data Type:** string **Schema XPath:** Contract / ContractDetails / ContractDetail / PremiumAndDiscountInformation / ApplicablePremiumAndDiscountSchedules / ApplicablePremiumAndDiscountSchedule / ScheduleName

Second Handle Trading of commodities once it has entered the supply chain; commercial to commercial or elevator to commercial.

Section 7 Applies When true, this shipment is to be delivered to the consignee without recourse to the consignor, the consignor must prove that it is their commodity. **Schema Term Name:** Section7Applies **Schema Data Type:** boolean **Schema XPath:** BillOfLading / BillOfLadingHeader / Section7Applies

Seller This is the person or company selling the commodity. **Schema Term Name:** Seller **Notes:** 1. All-It is a parent for all of the seller elements. 2. All-It is a parent for all of the seller elements.AllCan be different than shipper 3. All-It is a parent for all of the seller elements.AllCan be different than shipperAllSee Chapter 1 of NOPA Trade Rules for a sellers contractual obligation **Example:** All-None-wrapper **Synonym:** All-Supplier, Vendor--and can be different from shipper **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractHeader / Seller 2. ContractPricing / ContractPricingHeader / Seller

Seller Application Sequence This defines what order the Commodity Movement is applied across a split to multiple parties. **Schema Term Name:** SellerApplicationSequence **Note:** Commodity Movement Schema-This is the actual number identifying what order this entity is falls in at settlement **Example:** Commodity Movement-1, 2, 3 **Schema Data Type:** integer **Schema XPath:** CommodityMovement / CommodityMovementSeller / SellerApplicationSequence

Sequence Number An integer that keeps order used for string billing or railroad routing order. **Schema Term Name:** SequenceNumber **Schema Data Type:** integer **Schema XPath:** BillOfLading / BillOfLadingHeader / FreightPaymentTerms / FreightPaymentTerm / SequenceNumber

Service Event At what point in the shipment of the commodity a service will be rendered. **Schema Term Name:** ServiceEvent **Note:** All-This is an enumerated list **Example:** All-Destination/Inbound, export, origin/outbound **Schema Data Type:** ServiceEvent: Export, Inbound, Outbound, Submitted, Track **Schema XPaths:** 1. ServiceEvent 2. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / ServiceEvent 3. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / ServiceEvent 4. QualityCertificate / QualityCertificateHeader / ServiceEvent 5. WeightCertificate / WeightCertificateHeader / ServiceEvent

Service Official Category A general designation of quality or weight inspection and certification. **Schema Term Name:** ServiceOfficialCategory **Notes:** 1. Contract-This indicates how official the certificates which must be obtained before payment and settlement must be. 2. Contract-This indicates how official the certificates which must be obtained before payment and settlement must be.Commodity MovementThis indicates how official the document that was transmitted was. If different from the required official category in the contract, that will be handled by the business rules 3. Contract-This indicates how official the certificates which must be obtained before payment and settlement must be.Commodity MovementThis indicates how official the document that was transmitted was. If different from the required official category in the contract, that will be handled by the business rulesQuality CertificateThis indicates how official the document transmitted was. If different from the required official category in the contract, that will be handled by the business rules 4. Contract-This indicates how official the certificates which must be obtained before payment and settlement must be.Commodity MovementThis indicates how official the document that was transmitted was. If different from the required official category in the contract, that will be handled by the business rulesQuality CertificateThis indicates how official the document transmitted was. If different from the required official category in the contract, that will be handled by the business rulesWeight CertificateThis indicates how official the document transmitted was. If different from the required official category in the contract, that will be handled by the business rules 5. Contract-This indicates how official the certificates which must be obtained before payment and settlement must be.Commodity MovementThis indicates how official the document that was transmitted was. If different from the required official category in the contract, that will be handled by the business rulesQuality CertificateThis indicates how official the document transmitted was. If different from the required official category in the contract, that will be handled by the business rulesWeight CertificateThis indicates how official the document transmitted was. If different from the required official category in the contract, that will be handled by the business rulesContractIf there is a sampling type (probe, pelican) that needs to go into the remarks section for grades 6. Contract-This indicates how official the certificates which must be obtained before payment and settlement must be.Commodity MovementThis indicates how official the document that was transmitted was. If different from the required official category in the contract, that will be handled by the business rulesQuality CertificateThis indicates how official the document transmitted was. If different from the required official category in the contract, that will be handled by the business rulesWeight CertificateThis indicates how official the document transmitted was. If different from the required official category in the contract, that will be handled by the business rulesContractIf there is a sampling type (probe, pelican) that needs to go into the remarks section for gradesContractThis is a mandatory field, and is required based on Grade Trade Rules. **Example:** Shipments-Certified, House, Official **Schema Data Type:** ServiceOfficialCategory: Certified, Official, Unofficial **Schema XPaths:** 1. ServiceOfficialCategory 2. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / ServiceOfficialCategory 3. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / ServiceOfficialCategory 4. QualityCertificate / QualityCertificateHeader / ServiceOfficialCategory 5. WeightCertificate / WeightCertificateHeader / ServiceOfficialCategory

Service Provider The Entity Name for the service provider. **Schema Term Name:** ServiceProvider **Note:** Weight and Quality Cert.-Used as a qualifier to weights and grades **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / SpecialHandlingInstruction / ServiceProvider

Service Requester The service agency's reference a name or number for the Entity requesting the service. **Schema Term Name:** ServiceRequester **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / ServiceRequester 2. QualityCertificate / QualityCertificateHeader / ServiceRequester

Settlement Brings together all of the documents: contracts, shipments, grades, etc...to reach a final lump payment value.

Shipment Information A wrapper for the shipment details for the unit identifier. **Schema Term Name:** ShipmentInformation **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement / ShipmentInformation

Shipment Or Delivery Period The time period that the seller is obligated to ship or deliver the commodity to the buyer. **Schema Term Name:** ShipmentOrDeliveryPeriod **Notes:** 1. Contract-The contract must have defined beginning and ending dates. For example First Half of the month, would be the from the 1st to the 15th of the month. 2. Contract-The contract must have defined beginning and ending dates. For example First Half of the month, would be the from the 1st to the 15th of the month.ContractThis is a mandatory field as laid out by the NGFA and NOPA Grain Trade Rules. 3. Contract-The contract must have defined beginning and ending dates. For example First Half of the month, would be the from the 1st to the 15th of the month.ContractThis is a mandatory field as laid out by the NGFA and NOPA Grain Trade Rules.AllThe beginning and ending dates are the first and last shipment dates, inclusive. **Example:** Contract-None-Wrapper **Synonym:** Contract-Time of Shipment **Schema Data Type:** wrapper **Schema XPaths:** 1. Contract / ContractDetails / ContractDetail / ShipmentOrDeliveryPeriod 2. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / ShipmentOrDeliveryPeriod

Shipment Size A grouping of data elements that describe the total size of the shipment. This defines the number of units in the overall shipment. **Schema Term Name:** ShipmentSize **Note:** Bill of lading-The number of cars could be in the quantity and then quantity can also be repeated to express the total pounds for the total count of cars, trucks, etc. **Examples:** 1. bill of lading & Commodity Movement-51 cars in a train 2. bill of lading & Commodity Movement-51 cars in a trainBill of lading & Commodity Movement52,000 pounds **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / ShipmentSize 2. CommodityMovement / ShipmentInformation / ShipmentSize

Shipper The Entity Name, Address and Contacts for the original loader and seller of the commodity. Even if the contract goes through several buyers and seller, there will be only one shipper. **Schema Term Name:** Shipper **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / Shipper 2. CommodityMovement / ShipmentInformation / Shipper

Special Handling Instruction A wrapper for data elements that describe the what, who and where for a special handling service. **Schema Term Name:** SpecialHandlingInstruction **Note:** Bill of Lading-These will handle many of the remarks on the bill of lading. **Example:** Bill of Lading-Load to full visible capacity **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / SpecialHandlingInstruction

Special Handling Service When a special instruction are given on how the commodity should be handled and weighed or graded. **Schema Term Name:** SpecialHandlingService **Example:** WD,WI,XP,LFVC, track weights- **Schema Data Type:** SpecialHandlingService: Destination Weights, Destination Grades, First Official Grades, First Official Weights, LFVC, Official Grades, Official Weights, Origin Weights, Origin Grades, Track Scale Weights, WD, WI, WISD, XP **Schema XPath:** BillOfLading / BillOfLadingHeader / SpecialHandlingInstruction / SpecialHandlingService

Special Term A wrapper for all of the term details associated to many contracts, this is a child element to Special Terms. These are terms that are not main course and do not have specifically named attributes in the contract detail. Any remarks that are specific to a specific trade or commodity being traded. These are repeatable. **Schema Term Name:** SpecialTerm **Notes:** 1. Contract-These fields will be used for export contracts, demurrage, contracted rates, special fees. These are repeatable fields and are mandatory if Special Terms is defined. Trying to formalize the structure of many of the terms to avoid having them in remarks or textual boxes. This will allow someone to process off of these boxes. 2. Contract-These fields will be used for export contracts, demurrage, contracted rates, special fees. These are repeatable fields and are mandatory if Special Terms is defined. Trying to formalize the structure of many of the terms to avoid having them in remarks or textual boxes. This will allow someone to process off of these boxes.ContractThis is for the integration into the systems. 3. Contract-These fields will be used for export contracts, demurrage, contracted rates, special fees. These are repeatable fields and are mandatory if Special Terms is defined. Trying to formalize the structure of many of the terms to avoid having them in remarks or textual boxes. This will allow someone to process off of these boxes.ContractThis is for the integration into the systems.ContractThis differs from Special Term Description, which holds the textual data to be printed on displayed on the contracts. 4. Contract-These fields will be used for export contracts, demurrage, contracted rates, special fees. These are repeatable fields and are mandatory if Special Terms is defined. Trying to formalize the structure of many of the terms to avoid having them in remarks or textual boxes. This will allow someone to process off of these boxes.ContractThis is for the integration into the systems.ContractThis differs from Special Term Description, which holds the textual data to be printed on displayed on the contracts.ContractThis is different from Contract Remarks, because those remarks are boiler plate remarks that are on most contracts, whereas this information pertains to specifically this contract. **Example:** Contract-none-wrapper **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / SpecialTerms / SpecialTerm

Special Term Description A textural box to add a description of special terms to help identify the contract term. **Schema Term Name:** SpecialTermDescription **Notes:** 1. Contract-This is the field that will hold the all the textural information to be printed or displayed on the contract. 2. Contract-This is the field that will hold the all the textural information to be printed or displayed on the contract.ContractThis is different from Special Term which will hold the data to be integrated into the systems. **Schema Data Type:** string **Schema XPath:** Contract / ContractDetails / ContractDetail / SpecialTerms / SpecialTermDescription

Special Term Name The written out name for any special contract provisions. **Schema Term Name:** SpecialTermName **Notes:** 1. Contract-This is a mandatory field. 2. Contract-This is a mandatory field.ContractFor ease of comparison, the Term Names are to be listed alphabetically when transmitting the information 3. Contract-This is a mandatory field.ContractFor ease of comparison, the Term Names are to be listed alphabetically when transmitting the informationContractSpecial Contract Information is used to be used for those terms that pertain to marketing alternative contracts where ownership is transferred. **Example:** Contract-Demurrage, load/unload, alternative transportation, alternative delivery **Schema Data Type:** SpecialTermName: Advance Rate, Broker Rate, Cancellation Fee, Carrying Charge, Days Load Notice, Demurrage Charge, Despatch Charge, Delayed Price In Charge, Delayed Price Monthly Charge, Fumigation Charge, Interest Charge, Issue Fee, Load Guarantee, Load Port Declaration, Other, Price By Date, Re-price Charge, Roll Fee, Service Charge, Shipment Period Declaration, Special Contract Information, Storage In Charge, Storage Monthly Charge **Schema XPath:** Contract / ContractDetails / ContractDetail / SpecialTerms / SpecialTermName

Special Term Percentage A numeric percentage to which the special term is applied. These will be quantity values. **Schema Term Name:** SpecialTermPercentage **Note:** Contract-This will handle percentages, instead of quantity **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / SpecialTerms / SpecialTerm / SpecialTermPercentage

Special Term Prorated Flag If this is true, then the special term rate will be calculated daily. **Schema Term Name:** SpecialTermProratedFlag **Example:** Contract-This will be used mostly when the charge is a monthly fee, but is prorated daily. **Schema Data Type:** boolean **Schema XPath:** Contract / ContractDetails / ContractDetail / SpecialTerms / SpecialTerm / SpecialTermProratedFlag

Special Term Quantity A numeric quantity to which the special term is applied. These will be quantity values (bushels, Tons, MT, cars, trucks). **Schema Term Name:** SpecialTermQuantity **Note:** Contract-This is an optional field. An this will include load rates, unload rates, sample size, batch weights, batch grades, etc **Examples:** 1. Contract-(The quantity portion of these various terms) 2. Contract-(The quantity portion of these various terms)contractload rate of 5,000 mt per day 3. Contract-(The quantity portion of these various terms)contractload rate of 5,000 mt per dayContract5-car batch grades **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / SpecialTerms / SpecialTerm / SpecialTermQuantity

Special Term Rate These are fees or values to be charged or paid that are not main course and do not have specifically named attributes in the contract detail. **Schema Term Name:** SpecialTermRate **Note:** Contract-These will be mostly used for export contracts. **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / SpecialTerms / SpecialTerm / SpecialTermRate

Special Term Rate Begin The beginning date or time period which the fees or special term will be applied to the contract. **Schema Term Name:** SpecialTermRateBegin **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / SpecialTerms / SpecialTerm / SpecialTermRateBegin

Special Term Rate End The ending date or time period which the fees or special term will expire **Schema Term Name:** SpecialTermRateEnd **Note:** Contract-This is an optional field. **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / SpecialTerms / SpecialTerm / SpecialTermRateEnd

Special Term Time Increment Time measurement for which the special terms apply. **Schema Term Name:** SpecialTermTimeIncrement **Note:** contract-This is an optional field. **Examples:** 1. Contract-1 Day 2. Contract-1 DayContractFor example, $500 per 1 day 3. Contract-1 DayContractFor example, $500 per 1 dayContract3c "per month" **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / SpecialTerms / SpecialTerm / SpecialTermTimeIncrement

Special Terms Any contract terms that do not fit into the defined attributes contract details but outlines compliance to the contract. It is a wrapper for the repeatable Special Term. **Schema Term Name:** SpecialTerms **Note:** Contract-These fields will be used for export contracts, demurrage, contracted rates, special fees, etc. Trying to formalize the structure of many of the terms to avoid having them in remarks or textual boxes. This will allow someone to process off of these boxes. **Example:** Contract-None-Wrapper **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / SpecialTerms

Splits When a farmer or elevator delivers a unit of grain, payment may be divided between several parties. The grain can be divided either as a percent or a defined quantity. **Examples:** 1. 50% Farmer Brown; 50% Farmer Joe- 2. 50% Farmer Brown; 50% Farmer Joe-N/A500 bushels Mr. Jones; 400 bushels to Ms. Peters

Spot A price assigned to a load, unit, or shipment if it does not have a contract to apply to. It is usually at the posted cash price the day of delivery.

Standard Carrier Alpha Code The Standard Carrier Alpha Code (SCAC) is a unique two-to-four-letter code used to identify transportation companies. NMFTA developed the SCAC identification codes in the late 1960's to facilitate computerization in the transportation industry. **Schema Term Name:** StandardCarrierAlphaCode **Note:** Bill of Lading-list can be found at www.nmfta.org

Standard Transportation Commodity Code The product or commodity shipped by rail used to determine the applicable tariff. **Schema Term Name:** StandardTransportationCommodityCode **Note:** Bill of Lading-Maintained by the Association of American Railroads **Synonym:** Bill of Lading-Also know as STCC code **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / CommodityInformation / StandardTransportationCommodityCode 2. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / StandardTransportationCommodityCode 3. QualityCertificate / QualityCertificateHeader / CommodityInformation / StandardTransportationCommodityCode 4. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / CommodityInformation / StandardTransportationCommodityCode

Tare Weight The a wrapper to the elements that identify the weight of the empty vehicle. Applies to rail and truck. **Schema Term Name:** TareWeight **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / TareWeight 2. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / TareWeight

Ticket Combined weight grades, commodity, customer info, for tracking inventory and will be applied to contracts for a load of grain. The inbound or outbound receipt for the delivery or loadout of grain or bulk product. A way to track a load of grain by assigning of the number. **Notes:** 1. all-Can be either official or unofficial weights or grades. Documents the movement and quality of grain in transportation. The primary use of this will be for truck grain delivery. 2. all-Can be either official or unofficial weights or grades. Documents the movement and quality of grain in transportation. The primary use of this will be for truck grain delivery.Commodity MovementThe Commodity Movement schema meets these needs **Synonym:** all-Commodity Movement

Time 24-hour clock time as defined by ISO at http://www.w3.org/TR/NOTE-datetime. NO TIME ZONE ATTRIBUTE. **Schema Term Name:** Time **Notes:** 1. All-Format for time is hh:mm:ss 2. All-Format for time is hh:mm:ssAllIf the time is mandatory with the date, the format is ccyy-mm-ddThh:mm:ss **Example:** Example text.- **Schema Data Type:** time **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / BillOfLadingDateTime / Time 2. Contract / ContractHeader / ContractDateTime / Time 3. ContractPricing / ContractPricingHeader / Buyer / OriginalContractHeaderInformation / ContractDateTime / Time 4. ContractPricing / ContractPricingHeader / Seller / OriginalContractHeaderInformation / ContractDateTime / Time 5. ContractPricing / ContractPricingHeader / Agent / OriginalContractHeaderInformation / ContractDateTime / Time 6. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / GrossWeight / WeightStartDateTime / Time 7. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / TareWeight / WeightStartDateTime / Time 8. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / WeightStartDateTime / Time 9. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / WeightEndDateTime / Time 10. QualityCertificate / QualityCertificateHeader / SampleInformation / SampleTakenDateTime / Time 11. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / GrossWeight / WeightStartDateTime / Time 12. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / TareWeight / WeightStartDateTime / Time 13. WeightCertificate / WeightCertificateDetail /

WeightCertificateLine / NetWeight / WeightStartDateTime / Time 14. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / WeightEndDateTime / Time

Time Unit of Measure The measurement of period to apply to a time increment. **Schema Term Name:** TimeUnitOfMeasure **Example:** 1 Day-

To Border Broker The Organization, Address and Contacts for the domestic seller's foreign broker. **Schema Term Name:** ToBorderBroker **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / ExportRoles / ToBorderBroker

Tolerance Percent Range A wrapper for the maximum and minimum percent of contracted quantity that can be delivered against a contract. **Schema Term Name:** TolerancePercentRange **Note:** Contract-This is an optional field. **Example:** None-wrapper- **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / QuantityToleranceInformation / TolerancePercentRange

Tolerance Pricing Term At what term that any additional percent or quantity delivered above or below contracted quantity will be priced. **Schema Term Name:** TolerancePricingTerm **Note:** contract-This is a mandatory element and enumerated list. **Example:** Market day after unload- **Schema Data Type:** TolerancePricingTerm: Contract Basis, Contract Flat Price, Market Day After Unload, Market Day of Load **Schema XPath:** Contract / ContractDetails / ContractDetail / QuantityToleranceInformation / TolerancePricingTerm

Tolerance Quantity Range A wrapper for the max and min quantity that can be delivered against this contract. **Schema Term Name:** ToleranceQuantityRange **Note:** contract-This is an optional field. **Example:** Contract-None-wrapper **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / QuantityToleranceInformation / ToleranceQuantityRange

Trader Identifier This is an alpha or numeric identifier of the person working for the Buyer or Seller that is participating in contracting. **Schema Term Name:** TraderIdentifier **Example:** Contract-008; MEC **Schema Data Type:** string **Schema XPaths:** 1. Contract / ContractHeader / Buyer / TraderIdentifier 2. Contract / ContractHeader / Seller / TraderIdentifier 3. ContractPricing / ContractPricingHeader / Buyer / TraderIdentifier 4. ContractPricing / ContractPricingHeader / Seller / TraderIdentifier

Trader Name This is the name of the person working for the Buyer or Seller that is participating in contracting . **Schema Term Name:** TraderName **Note:** contract-This is an optional element. It can either be first name, last name, or both. This would not be used for an agent, that would go under contact name under the agent wrapper. **Example:** Contract-Paul Smith or Smith or Paul **Synonym:** contract-Merchandiser Name, Merchandiser **Schema Data Type:** string **Schema XPaths:** 1. Contract / ContractHeader / Buyer / TraderName 2. Contract / ContractHeader / Seller / TraderName 3. ContractPricing / ContractPricingHeader / Buyer / TraderName 4. ContractPricing / ContractPricingHeader / Seller / TraderName

Transportation Agent The Entity Name, Address and Contacts for the authorized personnel of the freight carrier. Made optional because carrier may actually prepare lading on behalf of a shipper instead. **Schema Term Name:** TransportationAgent **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingHeader / TransportationAgent

Transportation Information The wrapper for all of the transportation details of how the commodity is going to move from seller to buyer. **Schema Term Name:** TransportationInformation **Note:** contract-Transportation is mandatory, but within it, only Transportation Mode is mandatory. **Example:** None--Wrapper.- **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / TransportationInformation

Transportation Mode The type of transportation that is moving the commodity from the seller to the buyer. **Schema Term Name:** TransportationMode **Notes:** 1. Contract-This is an enumerated list of Truck, Rail, Barge or Vessel, none. 2. Contract-This is an enumerated list of Truck, Rail, Barge or Vessel, none.ContractContract--If multiple modes are acceptable to contract, put additional modes under Special Terms. This is important, because the mode of transportation is a determining factor in the price of the contract as well as the terms. This also ties in with Delivery Basis and Basis Location. Certain Transportation Modes have business rules associated with them of Basis Locations that are traded. 3. Contract-This is an enumerated list of Truck, Rail, Barge or Vessel, none.ContractContract--If multiple modes are acceptable to contract, put additional modes under Special Terms. This is important, because the mode of transportation is a determining factor in the price of the contract as well as the terms. This also ties in with Delivery Basis and Basis Location. Certain Transportation Modes have business rules associated with them of Basis Locations that are traded.Contract PricingThis was added to contract pricing to aid in contract validation from trading partners. 4. Contract-This is an enumerated list of Truck, Rail, Barge or Vessel, none.ContractContract--If multiple modes are acceptable to contract, put additional modes under Special Terms. This is important, because the mode of transportation is a determining factor in the price of the contract as well as the terms. This also ties in with Delivery Basis and Basis Location. Certain Transportation Modes have business rules associated with them of Basis Locations that are traded.Contract PricingThis was added to contract pricing to aid in contract validation from trading partners.AllThe enumeration "In Store" will be used for those grain transactions where ownership transfers, but the commodity is not actually shipped out of a location. **Example:** contract-Truck, Rail, Barge **Synonym:** Contract-Transportation Type **Schema Data Type:** TransportationMode: Barge, In-store, Rail, Truck, Vessel **Schema XPaths:** 1. BillOfLading / BillOfLadingHeader / TransportationMode 2. Contract / ContractDetails / ContractDetail / TransportationInformation / TransportationMode 3. ContractPricing / ContractPricingDetail / OriginalContractDetailInformation / TransportationMode 4. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / TransportationMode 5. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / TransportationMode 6. QualityCertificate / QualityCertificateHeader / TransportationMode 7. WeightCertificate / WeightCertificateHeader / TransportationMode

Transportation Provider The organization who is paying for the transportation either the buyer or seller. **Schema Term Name:** TransportationProvider **Note:** Contract-This is an optional field. This will correspond closely to the Delivery Basis (for example delivered is

usually paid by the seller and FOB is usually paid by the buyer). **Example:** Contract-Buyer, Seller **Schema Data Type:** TransportationProvider: Agent, Buyer, Seller **Schema XPath:** Contract / ContractDetails / ContractDetail / TransportationInformation / TransportationProvider

Transportation Unit of Measure Unit of measure for the transportation unit size. **Schema Term Name:** TransportationUnitOfMeasure **Note:** Contract-When a Transportation Unit Size is given, this identifies the unit of measure that corresponds to the quantity and transportation unit of measure

Transportation Unit Size The number of rail cars, trucks or barges to apply to the contract. This will correspond closely to the quantity of the contract and the transportation type. **Schema Term Name:** TransportationUnitSize **Example:** Contract-25 **Synonym:** Contract-Number of Cars **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / TransportationInformation / TransportationUnitSize

Truck Driver Status Indicates whether the driver is on the truck when the weight is taken. Element only appears when the transportation mode is truck. Acceptable values are On, Off, Unknown **Schema Term Name:** TruckDriverStatus **Schema Data Type:** TruckDriverStatus: Off, On, Unknown **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / TruckDriverStatus 2. WeightCertificate / WeightCertificateHeader / TruckDriverStatus

Unload Date Time The date time stamp of when the commodity is unloaded at a destination. **Schema Term Name:** UnloadDateTime **Notes:** 1. Commodity Movement-The date and time are in 2 different fields 2. Commodity Movement-The date and time are in 2 different fieldsCommodity MovementIf there are times when the unload carries over between many days, the start date for unloading is the unload date. **Example:** Commodity Movement-None-wrapper **Schema Data Type:** wrapper **Schema XPath:** CommodityMovement / ShipmentInformation / Destination / UnloadDateTime

Vehicle Identification A wrapper to the data elements that identify the vehicle. **Schema Term Name:** VehicleIdentification **Notes:** 1. Commodity Movement-This is the specific car, truck, barge, vessel number and information. 2. Commodity Movement-This is the specific car, truck, barge, vessel number and information.Commodity MovementThis may be the same as the unit identifier for rail, for example car number. However, for a truck, this may be different, for example as license number. 3. Commodity Movement-This is the specific car, truck, barge, vessel number and information.Commodity MovementThis may be the same as the unit identifier for rail, for example car number. However, for a truck, this may be different, for example as license number.Commodity MovementThis could refer to an individual hold of a vessel, instead of the vessel as a whole. 4. Commodity Movement-This is the specific car, truck, barge, vessel number and information.Commodity MovementThis may be the same as the unit identifier for rail, for example car number. However, for a truck, this may be different, for example as license number.Commodity MovementThis could refer to an individual hold of a vessel, instead of the vessel as a whole.Commodity MovementFor a batch weight certificate, there will be only 1 weight, but each of the car numbers being weighed will be listed individually under vehicle identification. **Synonym:** Car number, license number, vessel name- **Schema Data Type:** wrapper **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / VehicleIdentification 2. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / VehicleIdentification 3. QualityCertificate / QualityCertificateHeader / VehicleIdentification 4. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / VehicleIdentification

Vehicle Identifier The way that the vehicle is referred to. The numeric portion for rail and barge. The Rail Or Barge Alpha Prefix should be used for the alpha portion of the identifier. **Schema Term Name:** VehicleIdentifier **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / VehicleIdentification / VehicleIdentifier 2. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / VehicleIdentification / VehicleIdentifier 3. QualityCertificate / QualityCertificateHeader / VehicleIdentification / VehicleIdentifier 4. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / VehicleIdentification / VehicleIdentifier

Vehicle Identifier Type The kind of identifier for the vehicle. For example: Car | Barge | Description | Driver Name | Bill of Lading | Load Order | Trailer License | Truck License **Schema Term Name:** VehicleIdentifierType **Example:** Commodity Movement-For example: Car | Barge | Description | Driver Name | Bill of Lading | Load Order | Trailer License | Truck License **Schema Data Type:** VehicleIdentifierType: Barge, Bar Code, Bill of Lading, Contract, Description, Driver Name, Load Order, Rail Car, Scale Ticket, Trailer License, Truck License, Vessel Hold, Vessel Name **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / VehicleIdentification / VehicleIdentifierType 2. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / VehicleIdentification / VehicleIdentifierType 3. QualityCertificate / QualityCertificateHeader / VehicleIdentification / VehicleIdentifierType 4. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / VehicleIdentification / VehicleIdentifierType

Vehicle Net Quantity Amount of product shipped as measured at origin for this line item **Schema Term Name:** VehicleNetQuantity **Schema Data Type:** wrapper **Schema XPath:** BillOfLading / BillOfLadingDetail / BillOfLadingLine / VehicleNetQuantity

Weigh Master The individual responsible for conducting the weight, probably an employee of the Weight Service Provider. A single field containing title, first name, last name, or any combination of this data **Schema Term Name:** WeighMaster **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider / WeighMaster 2. WeightCertificate / WeightCertificateHeader / WeightServiceProvider / WeighMaster

Weight The actual weight measure with its weight unit of measure. **Schema Term Name:** Weight **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / SampleInformation / SampleWeight / Weight 2. CommodityMovement /

CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / GrossWeight / Weight 3. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / TareWeight / Weight 4. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / Weight 5. QualityCertificate / QualityCertificateHeader / SampleInformation / SampleWeight / Weight 6. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / GrossWeight / Weight 7. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / TareWeight / Weight 8. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / Weight

Weight Certificate A grouping of data elements that contain the details about the weight of a commodity. This could either be an official or estimated weight. **Schema Term Name:** WeightCertificate **Note:** Weight Certificate-For a batch weight certificate, there will be only 1 weight, but each of the car numbers being weighed will be listed individually under vehicle identification. **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate 2. WeightCertificate

Weight Certificate Detail A container to logically separate information that can be repeated in the schema. **Schema Term Name:** WeightCertificateDetail **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail 2. WeightCertificate / WeightCertificateDetail

Weight Certificate Header A grouping of data elements within a message for elements that apply to the document as a whole. **Schema Term Name:** WeightCertificateHeader **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader 2. WeightCertificate / WeightCertificateHeader

Weight Certificate Identifier The preprinted or typed identifier of a weight certificate. On the quality certificate, it provides a means to cross reference to the Weight Certificate. **Schema Term Name:** WeightCertificateIdentifier **Note:** Weight Certificate-If no weight certificate identifier is given or assigned, use the vehicle alpha prefix and identifier **Schema Data Type:** string **Schema XPaths:** 1. BillOfLading / BillOfLadingDetail / BillOfLadingLine / WeightCertificateIdentifier 2. CommodityMovement / CommodityMovementQualityInformation / CommodityMovementActualQualityInformation / QualityCertificate / QualityCertificateHeader / WeightCertificateIdentifier 3. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightCertificateIdentifier 4. QualityCertificate / QualityCertificateHeader / WeightCertificateIdentifier 5. WeightCertificate / WeightCertificateHeader / WeightCertificateIdentifier

Weight Certificate Line This is a line item of a Weight Certificate for one vehicle one weight. **Schema Term Name:** WeightCertificateLine **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine 2. WeightCertificate / WeightCertificateDetail / WeightCertificateLine

Weight Class Code A specific designation of how official a weight certificate is. **Schema Term Name:** WeightClassCode **Example:** Weight Certificate-X, Y, 1, 2, 3, Affidavit **Schema Data Type:** WeightClassCode: Affidavit, House, X, Y, 1, 2, 3 **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightClassCode 2. WeightCertificate / WeightCertificateHeader / WeightClassCode

Weight End Date Time The date and time that the process of weighing ended. **Schema Term Name:** WeightEndDateTime **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / WeightEndDateTime 2. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / WeightEndDateTime

Weight Service Provider A grouping containing information about the organization that performed the weighing service. **Schema Term Name:** WeightServiceProvider **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateHeader / WeightServiceProvider 2. WeightCertificate / WeightCertificateHeader / WeightServiceProvider

Weight Start Date Time The date and time that the process of weighing started. **Schema Term Name:** WeightStartDateTime **Schema Data Type:** wrapper **Schema XPaths:** 1. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / GrossWeight / WeightStartDateTime 2. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / TareWeight / WeightStartDateTime 3. CommodityMovement / CommodityMovementWeightInformation / CommodityMovementActualWeightInformation / WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / WeightStartDateTime 4. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / GrossWeight / WeightStartDateTime 5. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / TareWeight / WeightStartDateTime 6. WeightCertificate / WeightCertificateDetail / WeightCertificateLine / NetWeight / WeightStartDateTime

Weight Unit Of Measure The unit of measure corresponding to a weight exclusively. **Schema Term Name:** WeightUnitOfMeasure

Weights To Govern An enumerated list defining what type of weight inspection will be accepted and settled on for payment. **Schema Term Name:** WeightsToGovern **Note:** Contract-This is a mandatory field, and is required based on Grain Trade Rules. **Example:** Origin Official- **Synonym:** Weight type- **Schema Data Type:** WeightsToGovern: Certified, Destination Certified, Destination Official, Destination or

Railroad, First Certified, First Official, First Official or Certified, First Official or Destination, First Official or Railroad, Origin Certified, Origin House, Origin Official **Schema XPath:** Contract / ContractDetails / ContractDetail / WeightsToGovernInformation / WeightsToGovern

Weights To Govern Information A wrapper for all of the weight information which the contract will be settled on. **Schema Term Name:** WeightsToGovernInformation **Example:** Contract-None-wrapper **Schema Data Type:** wrapper **Schema XPath:** Contract / ContractDetails / ContractDetail / WeightsToGovernInformation

16 Rail-Corn-Basis Test Case

16.1 Introduction

This test case includes the following documents:

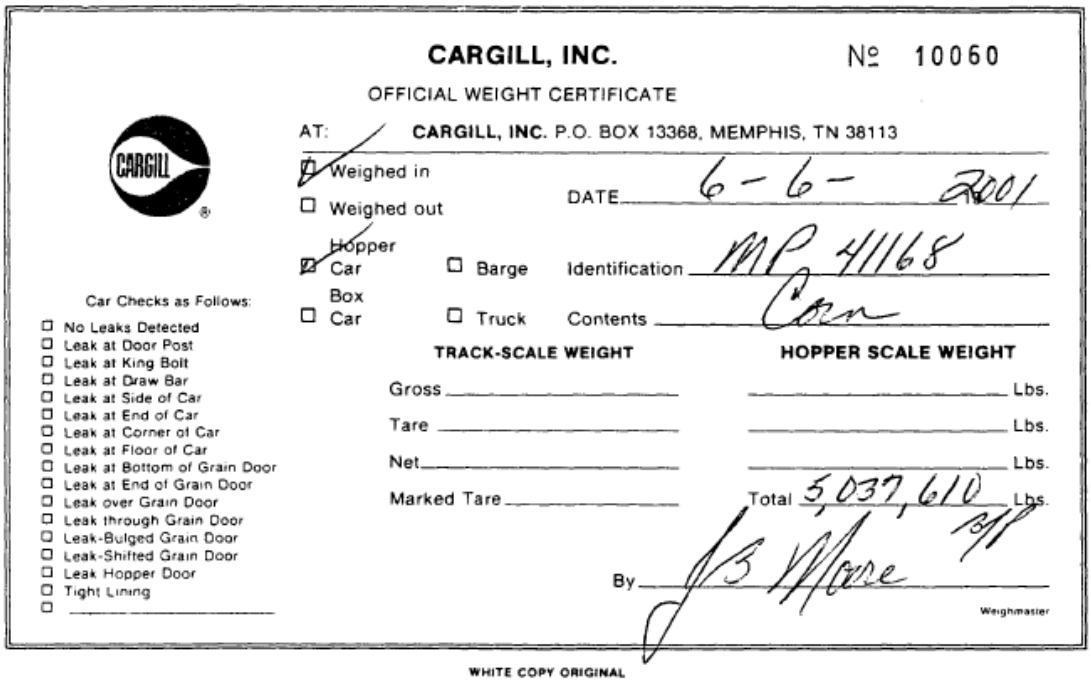
- Batch Weight Certificate
- Individual-Cars Weight Certificate
- Individual-Cars Quality Certificate
- Commodity Movement—Pre-Advise
- Bill of Lading—Original
- Sale Contract Confirmation
- Sale Pricing Confirmation

The documents are labeled according to the corresponding XML schemata. The train is 25 cars. However, for testing purpose only the following nine (9) cars are used in the instance documents.

- CGAX 9125
- IC 768916
- CGAX 9700
- IC 769485
- CGEX 1157
- ICG 765359
- CGEX 1893
- ICG 767339
- IC 764854

XML instance documents representing the data contained in this test case may be found in AgXML-Support-v1.0.0.zip.

16.2 Batch Weight Certificate



CARGILL, INC. № 10060

OFFICIAL WEIGHT CERTIFICATE

AT: **CARGILL, INC.** P.O. BOX 13368, MEMPHIS, TN 38113

☑ Weighed in
☐ Weighed out

DATE 6-6- 2001

☑ Hopper Car ☐ Barge
☐ Box Car ☐ Truck

Identification MP 41168

Contents Corn

Car Checks as Follows:

- ☐ No Leaks Detected
- ☐ Leak at Door Post
- ☐ Leak at King Bolt
- ☐ Leak at Draw Bar
- ☐ Leak at Side of Car
- ☐ Leak at End of Car
- ☐ Leak at Corner of Car
- ☐ Leak at Floor of Car
- ☐ Leak at Bottom of Grain Door
- ☐ Leak at End of Grain Door
- ☐ Leak over Grain Door
- ☐ Leak through Grain Door
- ☐ Leak-Bulged Grain Door
- ☐ Leak-Shifted Grain Door
- ☐ Leak Hopper Door
- ☐ Tight Lining
- ☐ _____

	TRACK-SCALE WEIGHT	HOPPER SCALE WEIGHT
Gross		Lbs.
Tare		Lbs.
Net		Lbs.
Marked Tare		Total 5,037,610 Lbs.

By JB Moore
Weighmaster

WHITE COPY ORIGINAL

AgXML Standard Version 1.0.0 © AgXML L.L.C. 2001

16.3 Individual-Cars Weight Certificate

LOCATION: 108

TRAIN Z 101112 BL 05-31-01

DATE: 06-28-01

PLEASE SEND CORRECTED COPY OF WEIGHT & GRADE CERTIFICATE

CGX 96560 SB CGAX 96560

SB

THANK YOU:

WENDY DAVID, LINDSEY ASHENFELTER, SHERIDAN HARRISON, KALA FOSTER
ADM/GROWMARK
P.O. BOX 629
DECATUR, IL 62525
(217) 424-4740

Purchased by: ADM/Growmark Memphis, TN

Purchased from: ADM/Growmark Decatur, IL

Unload Location: NACM MEMPHIS Settlement Print Date: 6/08/01

	Unload Date	Unit ID	Unit NBR	Gross Pounds	Tare Pounds	Net Pounds	Net Bushels	Settlement Number	Cak/Spot	C/O	Bushels
[illegible]	6/05/01	AEX	5278	198310	3710	194600	3475.00	2462481	2271.00		3475.00
[illegible]	6/05/01	CC	1030	206245	3820	202425	3614.73	2462482	2271.00		3614.73
[illegible]	6/05/01	CC	49362	203990	3825	200165	3574.38	2462483	2271.00		3574.38
[illegible]	6/05/01	CGCX	20211	206860	4130	202730	3620.18	2462484	2271.00		3620.18
[illegible]	6/05/01	CGEX	1300	204985	4170	200815	3585.98	2462485	2271.00		3585.98
[illegible]	6/05/01	CGEX	1310	204040	3890	200150	3574.11	2462486	2271.00		3574.11
[illegible]	6/05/01	CGEX	1393	204535	3975	200560	3581.43	2462487	2271.00		3581.43
[illegible]	6/05/01	CGEX	1839	204575	3850	200725	3584.38	2462488	2271.00		3584.38
[illegible]	[illegible]	[illegible]	9656	212355	4140	208215	3718.13	2462489	2271.00		3718.13
[illegible]	6/05/01	IC	765075	206625	3915	202710	3619.82	2462490	2271.00		3619.82
11	6/05/01	IC	769126	202735	3800	198935	3552.41	2462491	2271.00		3552.41
12	6/05/01	IC	769282	205085	3785	201300	3594.64	2462492	2271.00		3594.64
[illegible]	6/05/01	ICG	76664	204570	3795	200775	3585.27	2462493	2271.00		3585.27
14	6/06/01	ICG	767044	[illegible]	[illegible]	201465	3597.59	2462494	2271.00		3597.59
[illegible]	6/06/01	PLWX	21487	205700	3945	201755	3602.77	2462495	2271.00		3602.77
16	6/05/01	PLWX	21530	205865	4240	201625	3600.45	2462496	2271.00		3600.45
17	6/06/01	CGAX	9125	210735	3105	207630	3707.68	2462472	2271.00		3707.68
18	6/06/01	CGAX	9700	211855	3180	208675	3726.34	2462473	2271.00		3726.34
19	6/06/01	CGEX	1157	205055	4120	200935	3588.13	2462474	2271.00		3588.13
20	6/06/01	CGEX	1893	204440	3975	200465	3579.73	2462475	2271.00		3579.73
21	6/06/01	IC	764854	208205	3540	204665	3654.73	2462476	2271.00		3654.73
22	6/06/01	IC	768916	200195	3370	196825	3514.73	2462477	2271.00		3514.73
23	6/06/01	IC	769485	204095	3485	200610	3582.32	2462478	2271.00		3582.32
24	6/06/01	ICG	765359			197095	3519.55	2462479	2271.00		3519.55
25	6/06/01	ICG	767339	206070	4310	201760	3602.86	2462480	2271.00		3602.86
				TOTALS		5,037,610	89,957.34				89,957.34

Only use these cars

Z101112

16.4 Individual-Cars Quality Certificate

Purchased by: ADM/Growmark
Memphis, TN

ADM/Growmark
Purchased from: Decatur, IL

Unload Location: NACM MEMPHIS Settlement Print Date: 6/08/01 Page 2

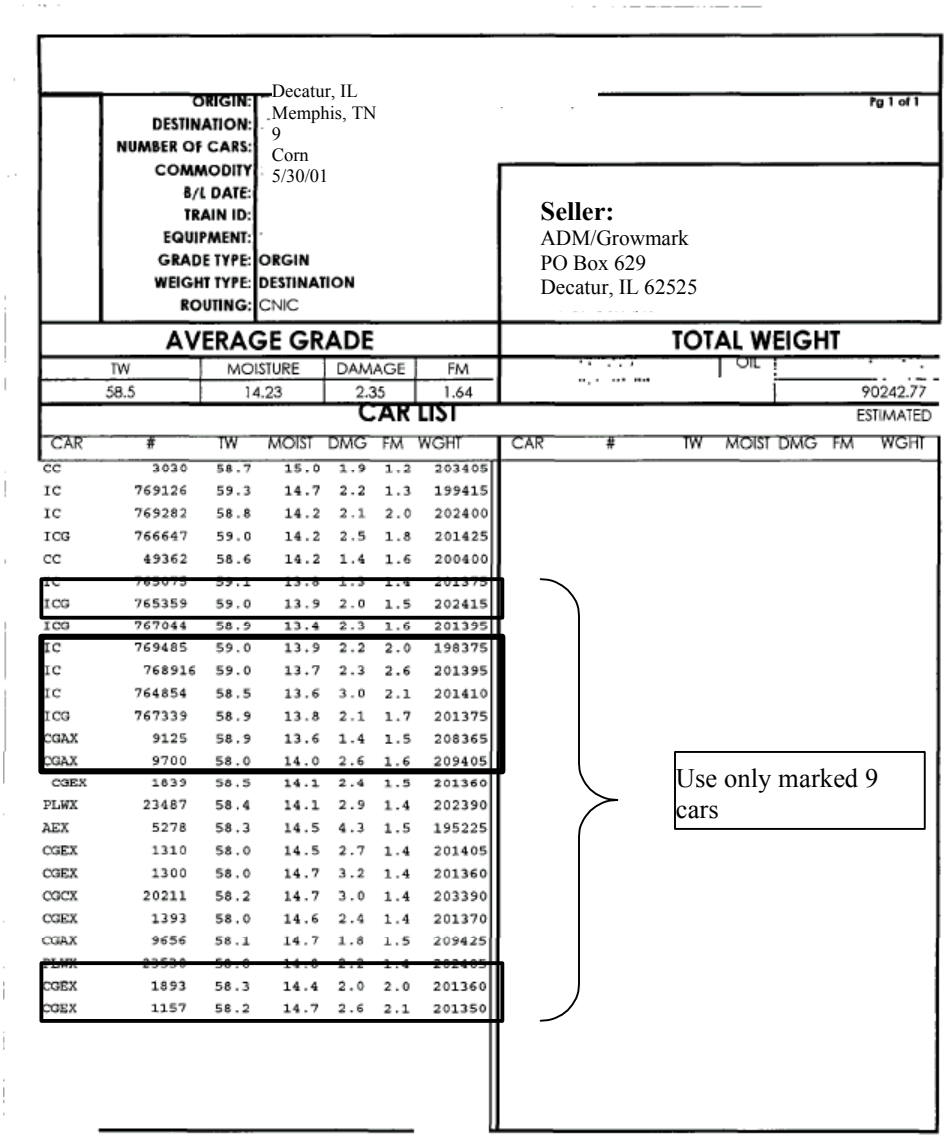
GRADE FACTOR SUMMARY

Unit ID	Nbr	Grade	T.W.	Moist	Dmg	HDMG	FM	Other	Oil	Starch	Protein	TOTAL$	B/L	For Account
1 AEX	5278	2 YELLOW CORN Disc/Prem$	58.3	4.50	4.3	.0	1.5							
2 CC	3030	2 YELLOW CORN Disc/Prem$	58.7	15.00	1.9	.0	1.2							
3 CC	49362	2 YELLOW CORN Disc/Prem$	58.6	14.20	1.4	.0	1.6							
4 CGCX	20211	2 YELLOW CORN Disc/Prem$	58.2	14.70	3.0	.0	1.4							
5 CGEX	1300	2 YELLOW CORN Disc/Prem$	58.0	14.70	3.2	.0	1.4							
6 CGEX	1310	2 YELLOW CORN Disc/Prem$	58.0	14.50	2.7	.0	1.4							
7 CGEX	1393	2 YELLOW CORN Disc/Prem$	58.0	14.60	2.4	.0	1.4							
8 CGEX	1839	2 YELLOW CORN Disc/Prem$	58.5	14.10	2.4	.0	1.5							
9 CGX	9656	2 YELLOW CORN Disc/Prem$	58.1	14.70	1.8	.0	1.5							
10 IC	765075	2 YELLOW CORN Disc/Prem$	59.1	13.80	1.3	.0	1.4							
11 IC	769126	2 YELLOW CORN Disc/Prem$	59.3	14.70	2.2	.0	1.3							
12 IC	769282	2 YELLOW CORN Disc/Prem$	58.8	14.20	2.1	.0	2.0							
13 ICG	766647	2 YELLOW CORN Disc/Prem$	59.0	14.20	2.5	.0	1.8							
14 ICG	767044	2 YELLOW CORN Disc/Prem$	58.9	13.40	2.3	.0	1.6							
15 PLMX	23487	2 YELLOW CORN Disc/Prem$	58.4	14.10	2.9	.0	1.4							
16 PLMX	23530	2 YELLOW CORN Disc/Prem$	58.0	14.80	2.2	.0	1.4							
17 CGAX	9125	2 YELLOW CORN Disc/Prem$	58.9	13.60	1.4	.0	1.5							
18 CGAX	9700	2 YELLOW CORN Disc/Prem$	58.0	14.00	2.6	.0	1.6							
19 CGEX	1157	2 YELLOW CORN Disc/Prem$	58.2	14.70	2.6	.0	2.1							
20 CGEX	1893	2 YELLOW CORN Disc/Prem$	58.3	14.40	2.0	.0	2.0							
21 IC	764854	2 YELLOW CORN Disc/Prem$	58.5	13.60	3.0	.0	2.1							
22 IC	768916	2 YELLOW CORN Disc/Prem$	59.0	13.70	2.3	.0	2.6							
23 IC	769485	2 YELLOW CORN Disc/Prem$	59.0	13.90	2.2	.0	2.0							
24 ICG	765359	2 YELLOW CORN Disc/Prem$	59.0	13.90	2.0	.0	1.5							
25 ICG	767339	2 YELLOW CORN	58.9	13.80	2.1	.0	1.7							

Use only these Cars

AgXML Standard Version 1.0.0 © AgXML L.L.C. 2001

16.5 Commodity Movement—Pre-Advise



ORIGIN: Decatur, IL
DESTINATION: Memphis, TN
NUMBER OF CARS: 9
COMMODITY: Corn
B/L DATE: 5/30/01
TRAIN ID:
EQUIPMENT:
GRADE TYPE: ORGIN
WEIGHT TYPE: DESTINATION
ROUTING: CNIC

Pg 1 of 1

Seller:
ADM/Growmark
PO Box 629
Decatur, IL 62525

AVERAGE GRADE

TW	MOISTURE	DAMAGE	FM
58.5	14.23	2.35	1.64

TOTAL WEIGHT

OIL

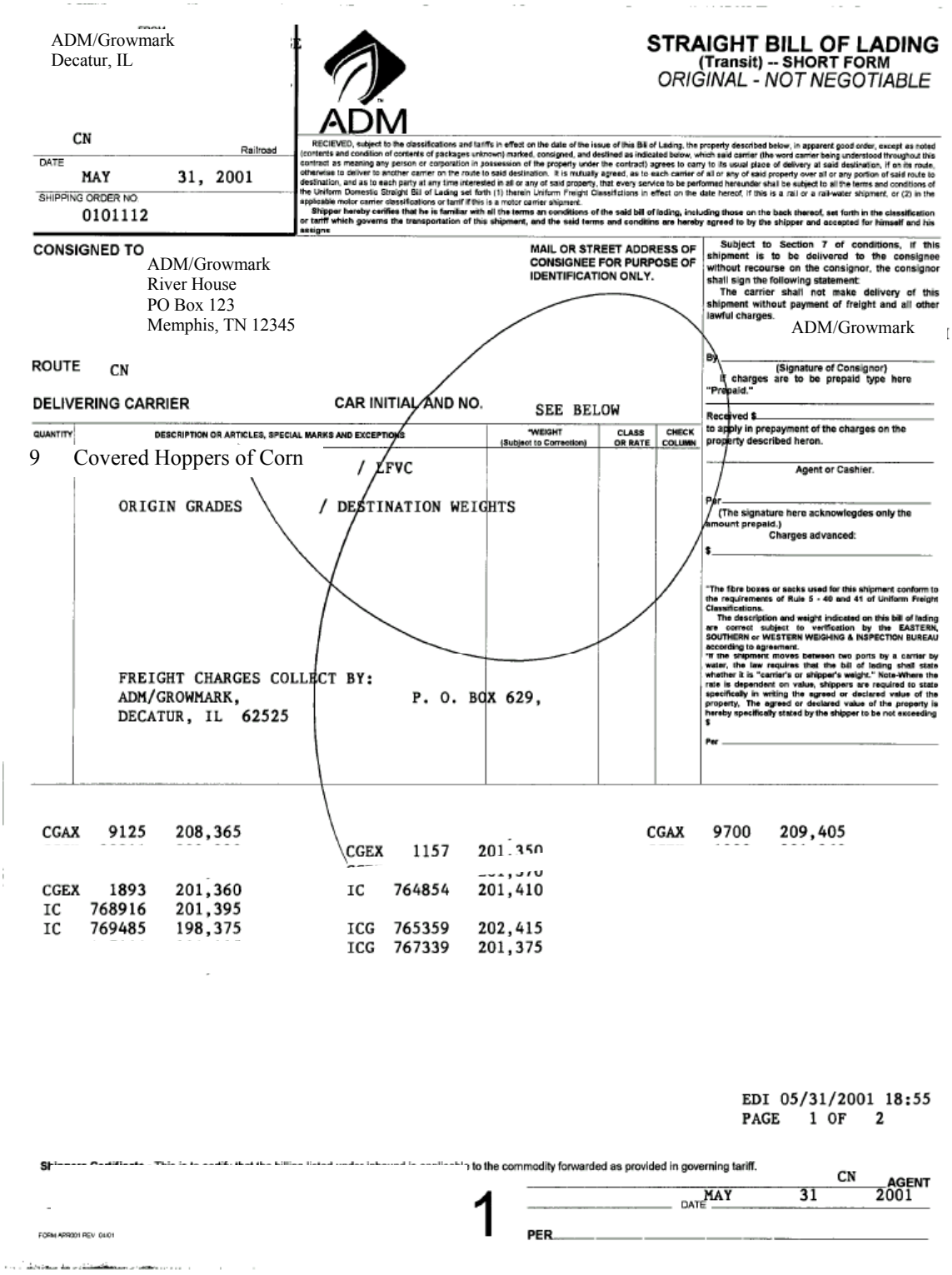
90242.77 ESTIMATED

CAR LIST

CAR	#	TW	MOIST	DMG	FM	WGHT
CC	3030	58.7	15.0	1.9	1.2	203405
IC	769126	59.3	14.7	2.2	1.3	199415
IC	769282	58.8	14.2	2.1	2.0	202400
ICG	766647	59.0	14.2	2.5	1.8	201425
CC	49362	58.6	14.2	1.4	1.6	200400
IC	765075	59.1	13.8	1.3	1.4	201375
ICG	765359	59.0	13.9	2.0	1.5	202415
ICG	767044	58.9	13.4	2.3	1.6	201395
IC	769485	59.0	13.9	2.2	2.0	198375
IC	768916	59.0	13.7	2.3	2.6	201395
IC	764854	58.5	13.6	3.0	2.1	201410
ICG	767339	58.9	13.8	2.1	1.7	201375
CGAX	9125	58.9	13.6	1.4	1.5	208365
CGAX	9700	58.0	14.0	2.6	1.6	209405
CGEX	1639	58.5	14.1	2.4	1.5	201360
PLWX	23487	58.4	14.1	2.9	1.4	202390
AEX	5278	58.3	14.5	4.3	1.5	195225
CGEX	1310	58.0	14.5	2.7	1.4	201405
CGEX	1300	58.0	14.7	3.2	1.4	201360
CGCX	20211	58.2	14.7	3.0	1.4	203390
CGEX	1393	58.0	14.6	2.4	1.4	201370
CGAX	9656	58.1	14.7	1.8	1.5	209425
PLWX	23530	58.8	14.0	2.2	1.4	202405
CGEX	1893	58.3	14.4	2.0	2.0	201360
CGEX	1157	58.2	14.7	2.6	2.1	201350

Use only marked 9 cars

16.6 Bill of Lading—Original



ADM/Growmark
Decatur, IL

ADM

STRAIGHT BILL OF LADING
(Transit) -- SHORT FORM
ORIGINAL - NOT NEGOTIABLE

CN
Railroad

DATE
MAY 31, 2001

SHIPPING ORDER NO.
0101112

RECIEVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) therein Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classifications or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms an conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditins are hereby agreed to by the shipper and accepted for himself and his assigns

CONSIGNED TO
ADM/Growmark
River House
PO Box 123
Memphis, TN 12345

MAIL OR STREET ADDRESS OF CONSIGNEE FOR PURPOSE OF IDENTIFICATION ONLY.

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.
ADM/Growmark

By _____
(Signature of Consignor)
If charges are to be prepaid type here "Prepaid."

Received $_____
to apply in prepayment of the charges on the property described heron.

Agent or Cashier.

Per _____
(The signature here acknowlegdes only the amount prepaid.)
Charges advanced:
$_____

ROUTE CN

DELIVERING CARRIER **CAR INITIAL AND NO.** SEE BELOW

QUANTITY	DESCRIPTION OR ARTICLES, SPECIAL MARKS AND EXCEPTIONS	*WEIGHT (Subject to Correction)	CLASS OR RATE	CHECK COLUMN
9	Covered Hoppers of Corn / LFVC ORIGIN GRADES / DESTINATION WEIGHTS FREIGHT CHARGES COLLECT BY: ADM/GROWMARK, P. O. BOX 629, DECATUR, IL 62525			

"The fibre boxes or sacks used for this shipment conform to the requirements of Rule 5 - 40 and 41 of Uniform Freight Classifications.
The description and weight indicated on this bill of lading are correct subject to verification by the EASTERN, SOUTHERN or WESTERN WEIGHING & INSPECTION BUREAU according to agreement.
"If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." Note-Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding
$
Per _____

CGAX 9125 208,365
CGEX 1893 201,360
IC 768916 201,395
IC 769485 198,375

CGEX 1157 201,350
IC 764854 201,410
ICG 765359 202,415
ICG 767339 201,375

CGAX 9700 209,405

EDI 05/31/2001 18:55
PAGE 1 OF 2

Shipper Certificate. This is to certify that the billing listed under inbound is applicable to the commodity forwarded as provided in governing tariff.

1

CN AGENT
DATE MAY 31 2001
PER _____

FORM APR001 REV. 04/01

16.7 Sales Contract Confirmation

ADM/GROWMARK
GRAIN SALE CONTRACT CONFIRMATION

DATE 04/19/01
90108
REV-NR: 000

S 50000

ADM/Growmark
River House
PO Box 123
Memphis, TN 12345

BROKER CW

WE CONFIRM SALE TO YOU TODAY — CUSTOMER: 016705 — ACCT OF: FCHAM

QUANTITY	GRADE AND GRAIN	PRICE AND FREIGHT BASIS		FUTURES BASIS
90,000.00 BUSHEL(S)	2 YC	BASIS CONTRACT	-.6000	MAY 01 CHI
	F.O.B.	CHAMPAIGN		

TIME OF SHIPMENT	PAYMENT TYPE	TRAN TYPE
05/01/01 THRU 05/31/01		RAIL

ORIGIN: DEST: F.O.B. CHAMPAIGN

WEIGHT: DESTINATION GRADES: FIRST OFFICIAL

REMARKS AND SPECIAL TERMS:

TRAIN TO AVERAGE 15.0% MOISTURE OR LESS; 54 TW OR BETTER, 5 DAMAGE OR LESS, AND 4 FM OR LESS. MOISTURE DISCOUNT 2 1/2¢ EA 1/2 15.0 TO 16.0 TEST WEIGHT 1¢ EACH POUND BELOW 54.0 TO 52.0, DAMAGE 1/2¢ EACH POINT 5.1- 7.0% FM 1¢ EACH POINT 3.1 - 4.0% THEN 1¢ EACH 1/2 4.1-5.0%
ALL FREIGHT INCREASES OR DECREASES FOR ACCOUNT OF BUYER.
ORIGIN AFLATOXIN TEST TO GOVERN.
MAY; 1 - 25 CAR; BUYERS EQUIPMENT

ADM/GROWMARK
PO BOX 629
DECATUR IL 62525-1806
217-424-5900

BUYER _____ SELLER _____

OFFICE COPY

SUBJECT TO CONDITIONS ON REVERSE

FORM FCM801 (04/01)

16.8 Sales Pricing Confirmation

ADM/GROWMARK
GRAIN SALE CONTRACT PRICING CONFIRMATION DATE 04/19/01
90108
S 50000 A REV-NR: 000

ADM/Growmark
River House
PO Box 123
Memphis, TN 12345

BROKER CW

WE CONFIRM SALE PRICING WITH YOU TODAY CUSTOMER: 016705 ACCT OF: FCHAM

QUANTITY	GRADE AND GRAIN	PRICE AND FREIGHT BASIS	FUTURES BASIS
90,000.00 BUSHEL(S)	2 YC	1.4500 PER BUSHEL(S)	-.60000 MAY 01 CHI
	F.O.B.	CHAMPAIGN	

TIME OF SHIPMENT	PAYMENT TYPE	TRAN TYPE
05/01/01 THRU 05/31/01		RAIL

ORIGIN: DEST: F.O.B. CHAMPAIGN

WEIGHT: DESTINATION GRADES: FIRST OFFICIAL

REMARKS AND SPECIAL TERMS:

TRAIN TO AVERAGE 15.0% MOISTURE OR LESS; 54 TW OR BETTER, 5 DAMAGE OR LESS, AND 4 FM OR LESS. MOISTURE DISCOUNT 2 1/2¢ EA 1/2 15.0 TO 16.0 TEST WEIGHT 1¢ EACH POUND BELOW 54.0 TO 52.0, DAMAGE 1/2¢ EACH POINT 5.1- 7.0% FM 1¢ EACH POINT 3.1 - 4.0% THEN 1¢ EACH 1/2 4.1-5.0%

ALL FREIGHT INCREASES OR DECREASES FOR ACCOUNT OF BUYER.
ORIGIN AFLATOXIN TEST TO GOVERN.
FUTURES PRICE = 2.05000 BALANCE TO PRICE .00
PRICING OF BASIS CONTRACT NUMBER 500000 T DATED 04/19/01
MAY; 1 - 25 CAR; BUYERS EQUIPMENT;

Commodity Standards Authority = GIPSA

PPPP RRRR IIIII CCCC IIIII N N GGGG
P P R R I C I NN N G
PPPP RRRR I C I N N N G GG
P R R I C I N NN G G
P R R IIIII CCCC IIIII N N GGGG

ADM/GROWMARK
PO BOX 629
DECATUR IL 62525-1806

217-424-5900

BUYER _____ SELLER _____

OFFICE COPY

SUBJECT TO CONDITIONS ON REVERSE

FORM FCM001 (04/01)

17 Truck-Beans-Deferred Pricing Test Case

17.1 Introduction

This test case includes the following documents:

- Contract Confirmation
- Pricing Confirmation
- Two Commodity Movement Documents

This truck transaction did not have a bill of lading, quality certificate, or grade certificate. The documents are labeled according to the corresponding XML schemata.

XML instance documents representing the data contained in this test case may be found in AgXML-Support-v1.0.0.zip.

17.2 Contract Confirmation

GROWMARK INC
GRAIN PURCHASE CONTRACT CONFIRMATION
P 584123

DATE 04/05/01
90100
REV-NR: 000

C& L Grain
5th Avenue
New York, NY

BROKER 000

WE CONFIRM PURCHASE FROM YOU TODAY VENDOR: 660030 002

QUANTITY	GRADE AND GRAIN	PRICE AND FREIGHT BASIS	FUTURES BASIS
3,600.00 BUSHEL(S)	1 YSB	DEFERRED TO BE PRICED BY 08/31/01	
	DELIVERED	DECATUR IL	

TIME OF SHIPMENT	PAYMENT	TYPE	TRAN TYPE
04/04/01 THRU 04/30/01			TRUCK

ORIGIN: WINDSOR IL DEST:

WEIGHT: DESTINATION GRADES: DESTINATION

REMARKS AND SPECIAL TERMS:

TO BE PRICED AT SELLER'S OPTION ON ANY MARKET DAY DURING THE TRADING SESSION, UNLESS OTHERWISE AGREED UPON, AT THE THEN CURRENT BEAN BID FOR CURRENT SHIPMENT LESS DP CHARGES. TITLE PASSES TO BUYER UPON DELIVERY OF GRAIN. NO PAYMENT UNTIL PRICED, NO WAREHOUSE RECEIPT TO BE ISSUED. THIS CONTRACT DOES NOT REPRESENT COMMODITIES THAT CAN BE APPLIED TO ANY OTHER CONTRACT.
MARKET SCALE OF DISCOUNTS AT TIME OF DELIVERY.
FREE DP THROUGH AUGUST 31ST
DP CHARGE OF .00000 PER BUSHL.
AN ADDITIONAL .00000 PER BUSHL/PER MTH WILL BE CHARGED AFTER DELIVERY

GROWMARK INC
PO BOX 629
DECATUR IL 62525-1806
217-424-5900

SELLER _____ BUYER _____

OFFICE COPY

SUBJECT TO CONDITIONS ON REVERSE

FORM FCM001 (04/00)

17.3 Contract Pricing Confirmation

GROWMARK INC
GRAIN PURCHASE CONTRACT PRICING CONFIRMATION DATE 04/19/01
84123A 90100
REV-NR: 000

ADM

C& L Grain
5th Avenue
New York, NY

BROKER 000

WE CONFIRM PURCHASE PRICING WITH YOU TODAY VENDOR: 660030 002

QUANTITY	GRADE AND GRAIN	PRICE AND FREIGHT BASIS	FUTURES BASIS
3,431.55 BUSHEL(S)	1 YSB	4.2525 PER BUSHEL(S)	+ .0325 MAY 01 CHI
	DELIVERED DECATUR IL		
TIME OF SHIPMENT	PAYMENT TYPE		TRAN TYPE
04/04/01 THRU 04/30/01			TRUCK

ORIGIN: WINDSOR IL DEST:

WEIGHT: DESTINATION GRADES: DESTINATION

REMARKS AND SPECIAL TERMS:
MARKET SCALE OF DISCOUNTS AT TIME OF DELIVERY
FUTURES PRICE = 4.27750 BALANCE TO PRICE 168.45
PRICING OF DP CONTRACT NUMBE 584123 CONT DATED 04/05/01
FREE DP THROUGH AUGUST 31ST

PPPP RRRR IIIII CCCC IIIII N N GGGG
P P R R I C I NN N G
PPPP RRRR I C I N N N G GG
P R R I C I N NN G G
P R R IIIII CCCC IIIII N N GGGG

GROWMARK INC
PO BOX 629
DECATUR IL 62525-1806

217-424-5900

SELLER _____ BUYER _____

OFFICE COPY

SUBJECT TO CONDITIONS ON REVERSE

FORM FCM001 (04/01)

17.4 Commodity Movement—1 of 2

ADM/Growmark (Warehouseman)
Growmark, INC (Grain Dealer)
4666 E. Faries Pkw
Decatur, IL 62525

UNITED STATES WAREHOUSE ACT
GRAIN INSPECTION/WEIGHT CERTIFICATE

THIS CERTIFICATE NOT VALID FOR PURPOSE OF U.S. GRAIN STANDARDS ACT. THIS CERTIFICATE IS ISSUED BY AN INSPECTOR AND WEIGHER LICENSED UNDER THE UNITED STATES WAREHOUSE ACT AND THE REGULATIONS THEREUNDER.

LICENSED INSPECTOR/WEIGHER

NOT NEGOTIABLE

CORP. COPY

GRD	T.W.	MOIST	DMG	H.D.	F.M.			SK & B	DEF	WOCL	DOCK	PROT	

UNLOAD DATE:
09/23/2001 Business Date: 09/23/2001

STORED ☐
SOLD ☐

TICKET NO.
Inbound 101795

CUSTOMER
0557548

C& L Grain
5th Avenue
New York, NY

ALT. ORIG. CITY/ST.

TRUCK DESCRIPTION

Hauler No. 0000000
Hauler Name DELIVERED BY CUSTOMER
Elevator 25904
Sub-Vendor DAW DAVE WARNKEN;P. WELTY;RY JONES
Comment 37

Scale 001
Desc. 122

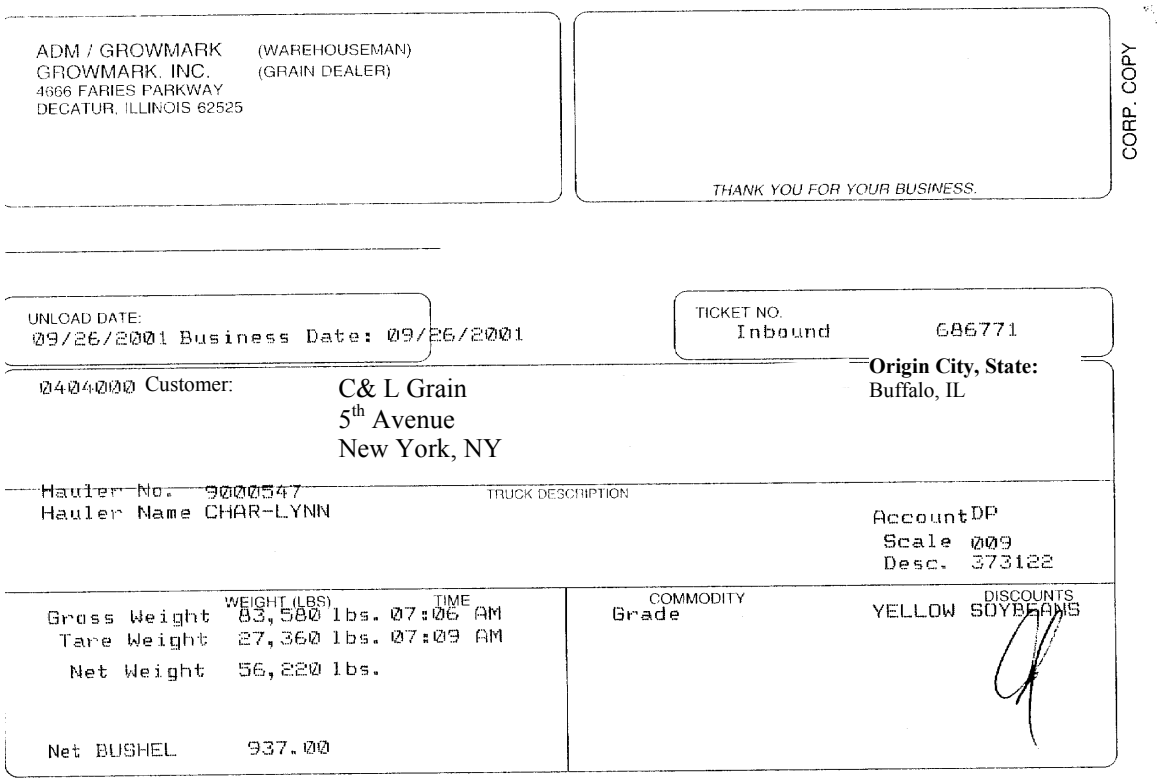
WEIGHT (LBS)		TIME
Gross Weight	72,280 lbs.	01:08 PM
Tare Weight	31,440 lbs.	01:12 PM
Net Weight	40,840 lbs.	

Net 680.67 BUSHEL

COMMODITY

Grade U.S. No. 2 YELLOW SOYBEANS
TW 55.1 FM 1.1
MOIS 11.9
DAMG 1.5 SPLT 6.2

17.5 Commodity Movement—2 of 2



ADM / GROWMARK (WAREHOUSEMAN)
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THANK YOU FOR YOUR BUSINESS.

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UNLOAD DATE:
09/26/2001 Business Date: 09/26/2001

TICKET NO.
Inbound 686771

04040000 Customer: C& L Grain
5th Avenue
New York, NY

Origin City, State:
Buffalo, IL

Hauler No. 9000547
Hauler Name CHAR-LYNN

TRUCK DESCRIPTION

Account DP
Scale 009
Desc. 373122

	WEIGHT (LBS)	TIME
Gross Weight	83,580 lbs.	07:06 AM
Tare Weight	27,360 lbs.	07:09 AM
Net Weight	56,220 lbs.	

COMMODITY
Grade

DISCOUNTS
YELLOW SOYBEANS

Net BUSHEL 937.00

18 Standards Files and Support Files

18.1 Introduction

The AgXML Standard Version 1.0.0 has several files. This section explains what the files are by type (identified by the extension) in some cases or by the filename. The explanations use an asterisk (*) to indicate an sequence of characters. For example, *dtTimeZone.xsd* and *dtCurrencyCode.xsd* would apply to *dt*.xsd*.
There are two sets of files: core files and support files. The core files are the XML Schema files. The support files are all the other files.

18.2 Core Files

File Name/Type	Description
dt*.xsd	Data Type XML schemata
c*.xsd	Component XML schemata
Contract.xsd	Contract top-level XML schema
ContractPricing.xsd	Contract Pricing Ammendment top-level XML schema
BillOfLading.xsd	Bill of Lading top-level XML schema
CommodityMovement.xsd	Commodity Movement top-level XML schema
QualityCertificate.xsd	Quality Certificate top-level XML schema
WeightCertificate.xsd	Weight Certificate top-level XML schema

Note: See the *Standards Overview* section for description of these types of files.

18.3 Support Files

File Name/Type	Description
glossary.xml	Glossary in XML format
glossary.xls	Glossary in Microsoft Excel v8 format
glossary.html	Glossary in HTML format
glossary.xsl	XSLT to convert glossary.xml to glossary.html
glossary.xsd	Glossary XML schema
glossary.css	Glossary cascading stylesheet
Contract~.xsd	Consolidated Contract top-level XML schema—*not the standard*
ContractPricing~.xsd	Consolidated Contract Pricing Ammendment top-level XML schema—*not the standard*
BillOfLading~.xsd	Consolidated Bill of Lading top-level XML schema—*not the standard*
CommodityMovement~.xsd	Consolidated Commodity Movement top-level XML schema—*not the standard*

QualityCertificate~.xsd	Consolidated Quality Certificate top-level XML schema—*not the standard*
WeightCertificate~.xsd	Consolidated Weight Certificate top-level XML schema—*not the standard*
UseCase.xsd	Use case XML schema
UseCase.xsl	Use case XSLT (convert to HTML)
UseCase.css	Use case cascading stylesheet
CommodityShipmentByRail.xml	Rail shipment use case
CommodityShipmentByBarge.xml	Barge shipment use case
CommodityShipmentByTruck.xml	Truck shipment use case
ContractNotBrokered.xml	Non-brokered contract use case
Rail Corn *.xml	XML instance documents that serve as keys for the Rail-Corn-Basis Test Case
Truck Bean *.xml	XML instance documents that serve as keys for the Truck-Bean-Deferred Pricing Test Case
WeightCertificate.xsl	Weight Certificate XSLT (convert to HTML)
QualityCertificate.xsl	Quality Certificate XSLT (convert to HTML)
Contract.xsl	Contract XSLT (convert to HTML)

19 Standards Development Guidelines

Standards-Setting Process Guidelines

Some of these are common sense. Occasionally common sense is ignored in the depths of a standards discussion. These guidelines were written in the context of small-group, face-to-face standards development with white boards and computer projection available.

1. Use precise and accurate language. Some common-sense terms have very specific meanings in XML. Ironically, many of the *Schema Development Guidelines* undoubtedly violate this guideline—we're working on it!
2. Don't coin a term when one is commonly used in W3C recommendations, ebXML, or other well respected standards or publications.
3. Whenever a term is used that might strike the reader as "official" but it's not, let the reader know (e.g. "wrapper element", "top-level schema", etc.).
4. Always date-version documents—facilitates referencing.
5. Enumerate lists rather than bullet them—facilitates referencing.
6. Set guidelines rather than rules. By nature people welcome guidelines and question rules. Guidelines often become de facto rules without political baggage.
7. Always ask yourself who will read written guidelines and whether they will understand the guidelines. This is especially applicable to technical people writing guidelines for largely business-oriented domain experts to follow during schema development. Despite what this guideline may imply, don't violate guideline #1 since confusion will likely result among at least the technical people who end up implementing the standard.
8. Use examples.
9. When in doubt, be strict. Reconsider after receiving feedback from practical use.
10. When in doubt about the best choice for a guideline, just choose one, note the dilemma, and move on. A consistent non-optimal guideline is better than no guideline. You can always revisit a guideline or assign investigation and reporting by a sub-group.
11. When working in a group, don't worry about wordsmithing. Note the concept and clean it up later.
12. Document how you arrived at a controversial decision. If you don't, you (or worse others) will revisit it and potentially start the discussion again. You may revisit the decision anyway!

Schema Development Guidelines

The purpose of these guidelines is to encourage consistency across sets of schemas rather than impose policy. These guidelines should be frequently reviewed in light of emerging best practices and updated accordingly.

1. **Go for clarity over cleverness!** Clarity and ease of use/adoption are the top priorities.
2. **Names in General:** Spell out names completely. Don't use abbreviations or acronyms. There are exceptions of course, particularly where the abbreviation or acronym is much better known than the term it represents (e.g. DNA, RADAR, LASER, FOB).
3. **Naming Elements:**

3.1. Be descriptive.
3.2. Capitalize the first letter of each word. (This is referred to as *upper camel-case* or just *camel-case*.)
3.3. Do not use underscores or dashes.

4. **Naming Attributes:**
   4.1. Be descriptive.
   4.2. Capitalize the first letter of each word following the first word. Make the first word lower-case. (This is referred to as *lower camel-case*.)
   4.3. Do not use underscores or dashes.
5. **Naming Enumerated Datatypes:**
   5.1. Give them the same name as the element to which they apply.
6. **Elements vs. Attributes:** This has been the subject of considerable debate from the early days of XML. Some of the original considerations related to concerns about bandwidth (attributes require less), the ability to specify enumerated lists of valid values for attributes in DTD's, the ability to specify default values for attributes in DTDs, and the ability to refer to attributes by name in certain types of processing. However the emergence of the XML Schema and XPath standards, and declining concern about bandwidth have changed thinking in some areas.
   6.1. When using XML Schemas for defining the structure of data, attributes are effectively a subset of elements. In other words, there's nothing that you can do with attributes that you can't do with elements. The converse isn't true.
   6.2. Elements should represent nouns—things. Another, more precise way to say this is that elements should represent data.
   6.3. Attributes should represent adjectives—describes the noun. Another, more precise way to say this is that attributes should represent metadata.
   6.4. When in doubt define the data as an element.
   6.5. If you anticipate any sub-elements, define the node as an element.
   6.6. Attributes are unordered. Keep that in mind if addressing data by position is important. Example: <Shirt size="XXL" color="blue"/>. The DOM standard would allow a processor to represent the *color* element as the first element.
   6.7. Data defined by attributes require less space than data defined by elements, however, bandwidth is not a consideration for our standards-setting process. Example:
   ```
   <SomeElement color="blue"/>
   ```
   requires twelve characters to define the color whereas
   ```
   <SomeElement><Color>blue</Color></SomeElement>
   ```
   requires nineteen characters.
7. **Processing Requirements:** Computer resources required to process XML documents is not a consideration in our standards-development process.
8. **Bandwidth:** Bandwidth is not a consideration in our standards-development process.
9. ***Type*, *Code*, and *Qualifier*:** Be careful about using those terms, and terms like them, in schemas since they may seem to be applicable in many contexts. This seems to be an especially important consideration term definition has enumeration values.
10. **Type vs. Wrapper Element:**

10.1. There is a time and a place to use both, but use wrapper elements when the data structure is used in several different places.

10.2. Use the second of the following two examples:

```
<Address type="Ship To">information</Address>
```

---- OR ----

```
<ShipTo>
    <Address>information</Address>
</ShipTo>
```

11. **Attribute or Data Type Enumerations:**

11.1. Use spaces between words.

11.2. Capitalize the first letter of each word except conjunctions and prepositions (and, or, of, the, etc.) between words.

11.3. Example: *Ship To* is correct. *Ship to* and *ship to* and *ShipTo* are incorrect.

12. **Wrapper Elements**

12.1. **Guideline:** When an element can occur more than once, wrap the element in another element. Generally the wrapper element name will be the plural of the name of the element that it wraps. (Note that *wrapper element* is not an official XML term.)

12.2. **Background:**

This guideline was discussed extensively and the Technical Committee did not have a compelling reason to choose one way over another. The following examples illustrate the design principle in question here:

```
<Document>
    <Header>information</Header>
    <Detail>information</Detail>
    <Detail>information</Detail>
    <Detail>information</Detail>
</Document >
```

---- OR ----

```
<Document>
    <Header>information</Header>
    <Details>
        <Detail>information</Detail>
        <Detail>information</Detail>
        <Detail>information</Detail>
    </Details>
</Document>
```

We basically had (still have) three options. We could adopt the first method, the second method, or a mix. We decided to adopt the second method.

12.3. **Note:** In some cases a non-repeating element may be "wrapped" as well—especially in cases where a reusable component is defined (a component defined in its own XSD file).

13. **Don't be overly descriptive.** For example if the root element of the document is *PurchaseOrder* then is sufficient to call line items *LineItems* rather than *PurchaseOrderLineItems*. This guideline really needs to be applied in the context of all standards in a domain, and the potential need to uniquely identify certain elements/attributes across schemas. Note: see the *Maintain symantec integrity* guideline.

14. **Maintain symantec integrity.** Don't use the same name for different things and use the same name for the same things. For example an element called *Details* may occur in several schemas. If the structure of a *Details* element differs across schemas, consider naming each instance of *Details* more specifically. Frequently refer to the AgXML Glossary to help sort out what element/attributes mean in certain contexts.
15. **Don't use domain-specific terms** (e.g. *Ag* or *Grain*) anywhere unless part of the natural way of referring to a business term—that will be handled by the namespace.
16. **Inclusion:** If you're unsure about whether an element should be included, include it, make it optional, and add a note explaining the pros and cons of its inclusion in the AgXML Glossary.
17. **Don't use mixed elements** (elements that contain other elements and text). For example, don't allow a structure like this (the part in violation of the guideline is in red):

```
<Document>
    <Header>information</Header>
    <Detail>information</Detail>
    <Detail>information</Detail>
    <Detail>information</Detail>
    information
</Document >
```

18. **Globally-define all elements.** This guideline especially should be reviewed frequently in light of best practices and our need to manage an increasing number of schemas.
19. **Spell out names in an enumeration** unless otherwise indicated in the element name (e.g. Country vs. CountryCode and Currency vs. CurrencyCode).
20. **Date and Time**
    20.1. When only a date is required, create an element with an element type name that includes a *Date* suffix and assign the date datatype. Example:
    ```
    <ContractCreationDate>2001-11-01</ContractCreationDate>
    ```
    20.2. When both a date and time are required, create an element with a *DateTime* suffix and assign the TimeInstant datatype. Example:
    ```
    <ContractCreationDateTime>
       2001-11-01T15:30:15
    </ContractCreationDateTime>
    ```
    20.3. If a date/time pair is allowed where the date is required and the time is optional, create an element type name that includes a *DateTime* suffix and make it required. Define two child elements within the "DateTime" element, one for the date with a date datatype and an optional one for the time with a time datatype. Example:
    ```
    <ContractCreationDateTime>
       <ContractCreationDate>2001-11-01</ContractCreationDate>
       <ContractCreationTime>15:30:15</ContractCreationTime>
    </ContractCreationDateTime>
    ```
21. **Flag/Indicator Usage**
    21.1. Whether a flag value is required or optional from a business point of view (i.e. a flag is generally assumed to be a certain value), create a boolean-typed element with an element name suffixed with "Flag". If using the flag makes sense to use in all contexts, make it required.

Example:

```
<Rule11AppliesFlag>True</Rule11AppliesFlag>
```

22. **Don't ever use the presense of an element to indicate information (beyond the obvious).** This is related to the "Flag/Indicator Usage" guideline. For example, don't use the presense or absense of `<EstimatedWeightFlag>` to indicate that a weight is estimated or not. Of course in the case where there are only five line items in a purchase order, we can infer that there isn't a sixth.
23. **Don't include calculated values or summary information.** For example, control totals (EDI), extended price (quantity*unit price), sums. Apply this guideline carefully. For example, you may want to include calculated currency values where the calculations are subject to certain rounding rules that aren't straightforward (e.g. taxes, dicounts, etc.).
24. **Percentage:** Always use the decimal form. For example, 1.5% should be expressed as *0.015* rather than *1.5%*.
25. **All Child Elements and Attributes Optional:** When all child elements and attributes of a parent element are optional, make the parent element optional as well.

20 Acknowledgments

AgXML L.L.C. would like to express our appreciation to Ron Farrell and Marilyn Hunter from RAPID, Inc. They provided valuable input on the formation of AgXML L.L.C. in terms of structure, operating guidelines, budget, and other things. Furthermore AgXML was pleased to seed our own standards development guidelines with RAPID's. Ron was always available to meet in person or talk on the phone about any issue our fledging organization faced. Marilyn attended a few working group meetings and offered advice to improve the way in which we pursued our development process and shared her extensive experience in the agricultural-chemical industry.

We would also like to express our appreciation to CIDX and especially Ken Hutcheson (CSC) and Jeff Gibbons (Accenture). CIDX shared their operating agreement with AgXML which gave us a head start on drafting our own. Ken and Jeff committed an entire day to reviewing an early draft of our standards, standards-setting process, and standards-development guidelines. CIDX's Chem eStandards documentation is a benchmark for clearly articulated business messaging standards and was a constant AgXML resource.

Thanks to Steve Schoenebaum from Brown, Winick, Graves, Gross, Baskerville and Schoenebaum, P.L.C., Attorneys at Law. Steve kept on the anti-trust straight-and-narrow, helped us set up our organization, and was generally available to answer any questions any time.

Thanks also to the National Grain and Feed Association and the United States Department of Agriculture who were always ready and willing to offer guidance.

Finally, our charter members committed highly-skilled and dedicated business-domain and IT experts. They bore the expense of setting up the organization, hosting meetings, hosting conference calls, and hosting the on-line collaboration tool. Clearly, without them AgXML would have been impossible.