

# Schema documentation for OpenFreightReusableTypes.xsd

june 23, 2019

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## Resource hierarchy:

Legend: Import, Include, Redefine, Override, Cycle detected

OpenFreightReusableTypes.xsd

UnqualifiedDataType\_8p0.xsd

IANA\_CharacterSetCode\_20070514.xsd

IANA\_MIMEMediaType\_20090901.xsd

ISO\_ISOTwoletterCountryCode\_SecondEdition2006VI-6.xsd  
ISO\_ISO3AlphaCurrencyCode\_20090909.xsd  
UNECE\_CharacterSetEncodingCode\_40106.xsd  
UNECE\_MeasurementUnitCommonCode\_6.xsd  
UNECE\_AgencyIdentificationCode\_D09A.xsd  
  
QualifiedDataType\_7p0.xsd  
  
UnqualifiedDataType\_8p0.xsd  
  
IANA\_CharacterSetCode\_20070514.xsd  
IANA\_MIMEMediaType\_20090901.xsd  
ISO\_ISOTwoletterCountryCode\_SecondEdition2006VI-6.xsd  
ISO\_ISO3AlphaCurrencyCode\_20090909.xsd  
UNECE\_CharacterSetEncodingCode\_40106.xsd  
UNECE\_MeasurementUnitCommonCode\_6.xsd  
UNECE\_AgencyIdentificationCode\_D09A.xsd  
UNECE\_AgencyIdentificationCode\_D09A.xsd  
UNECE\_MeasurementUnitCommonCode\_6.xsd  
ISO\_ISO3AlphaCurrencyCode\_20090909.xsd  
UNECE\_DocumentNameCode\_D09A.xsd  
UNECE\_PartyRoleCode\_D09A.xsd  
UNECE\_TransportModeCode\_2.xsd  
ISO\_ISOTwoletterCountryCode\_SecondEdition2006VI-6.xsd

## Namespace: "www.openfreight.org"

### Schema(s)

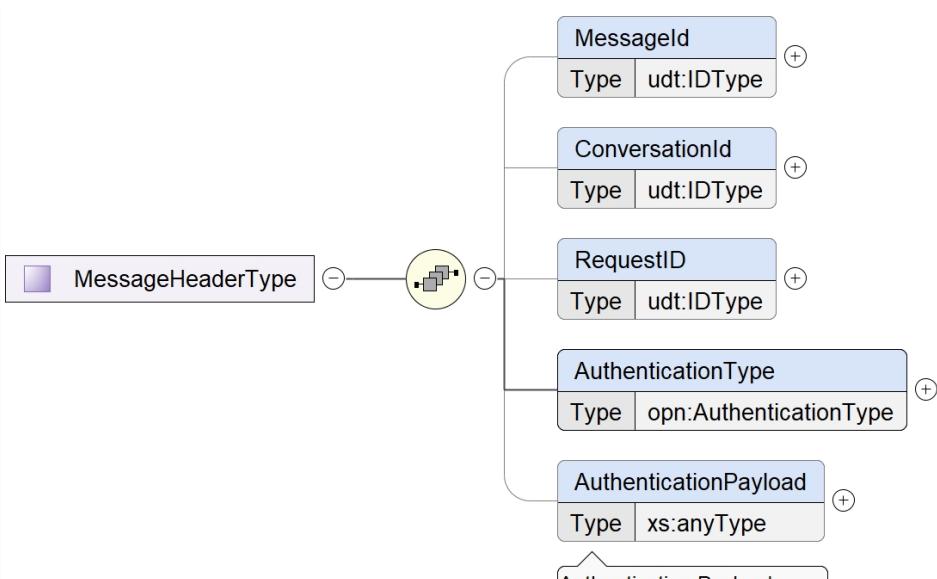
#### Main schema OpenFreightReusableTypes.xsd

Namespace	www.openfreight.org
Properties	attribute form default: unqualified element form default: qualified
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

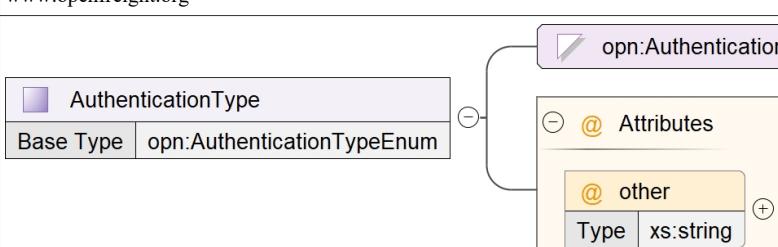
### Complex Type(s)

#### Complex Type opn:MessageHeaderType

Namespace	www.openfreight.org
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Diagram	
Model	opn:MessageId{0,1} , opn:ConversationId{0,1} , opn:RequestID{0,1} , opn:AuthenticationType , opn:AuthenticationPayload{0,1}
Children	opn:AuthenticationPayload, opn:AuthenticationType, opn:ConversationId, opn:MessageId, opn:RequestID
Source	<pre>&lt;xs:complexType name="MessageHeaderType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="MessageId" type="udt:IDType" minOccurs="0"/&gt;     &lt;xs:element name="ConversationId" type="udt:IDType" minOccurs="0"/&gt;     &lt;xs:element name="RequestID" type="udt:IDType" minOccurs="0"/&gt;     &lt;xs:element name="AuthenticationType" type="opn:AuthenticationType"/&gt;     &lt;xs:element type="xs:anyType" name="AuthenticationPayload" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Authentication Payload&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:AuthenticationType

Namespace	www.openfreight.org						
Diagram							
Type	extension of opn:AuthenticationTypeEnum						
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• opn:AuthenticationTypeEnum</li> <li>• opn:AuthenticationType</li> </ul>						
Used by	Element opn:MessageHeaderType/opn:AuthenticationType						
Attributes	<table border="1"> <thead> <tr> <th>QName</th> <th>Type</th> <th>Use</th> </tr> </thead> <tbody> <tr> <td>other</td> <td>xs:string</td> <td>optional</td> </tr> </tbody> </table>	QName	Type	Use	other	xs:string	optional
QName	Type	Use					
other	xs:string	optional					
Source	<pre>&lt;xs:complexType name="AuthenticationType"&gt;   &lt;xs:simpleContent&gt;     &lt;xs:extension base="opn:AuthenticationTypeEnum"&gt;       &lt;xs:attribute name="other" type="xs:string" /&gt;     &lt;/xs:extension&gt;</pre>						

	<pre>&lt;/xs:simpleContent&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:BusinessInfoType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class BusinessInfoType     class Station     class ServiceName     class ServiceMethod     class ServiceComment     class MessageDateTime     class Parties     class SummaryPayload      BusinessInfoType &lt; -- Station     BusinessInfoType &lt; -- ServiceName     BusinessInfoType &lt; -- ServiceMethod     BusinessInfoType &lt; -- ServiceComment     BusinessInfoType &lt; -- MessageDateTime     BusinessInfoType &lt; -- Parties     BusinessInfoType &lt; -- SummaryPayload   </pre> <p>The diagram illustrates the structure of the <code>BusinessInfoType</code> complex type. It consists of several fields:</p> <ul style="list-style-type: none"> <li><code>Station</code>: Type <code>udt:CodeType</code>. Documentation: <code>Station of the contract</code>.</li> <li><code>ServiceName</code>: Type <code>udt:TextType</code>.</li> <li><code>ServiceMethod</code>: Type <code>udt:TextType</code>.</li> <li><code>ServiceComment</code>: Type <code>udt:TextType</code>.</li> <li><code>MessageDateTime</code>: Type <code>udt:DateTimeType</code>. Documentation: <code>The request/response date time.</code>.</li> <li><code>Parties</code>: A sequence of <code>Party</code> elements.</li> <li><code>SummaryPayload</code>: Type <code>xs:anyType</code>. Documentation: <code>Summary Payload</code>.</li> </ul>
Model	<code>opn:Station{0,1}</code> , <code>opn:ServiceName</code> , <code>opn:ServiceMethod</code> , <code>opn:ServiceComment{0,1}</code> , <code>opn:MessageDateTime</code> , <code>opn:Parties{0,1}</code> , <code>opn:SummaryPayload{0,1}</code>
Children	<code>opn:MessageDateTime</code> , <code>opn:Parties</code> , <code>opn:ServiceComment</code> , <code>opn:ServiceMethod</code> , <code>opn:ServiceName</code> , <code>opn:Station</code> , <code>opn:SummaryPayload</code>
Source	<pre> &lt;xs:complexType name="BusinessInfoType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Station" type="udt:CodeType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Station of the contract&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ServiceName" type="udt:TextType"/&gt;     &lt;xs:element name="ServiceMethod" type="udt:TextType"/&gt;     &lt;xs:element name="ServiceComment" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="MessageDateTime" type="udt:DateTimeType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The request/response date time.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Parties" minOccurs="0"&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element name="Party" type="opn:PartyType" maxOccurs="unbounded" minOccurs="1"/&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>

	<pre>&lt;xs:element type="xs:anyType" name="SummaryPayload" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Summary Payload&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:///D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:PartyType

Namespace	www.openfreight.org				
Annotations	An organization/Individual fulfilling a role in a business process.				
Diagram	<pre> classDiagram     class PartyType {         -PartyTypeCode         -ID         -AdditionalID         -Name         -AccountIDList         -PostalAddress         -Contact         -Parties     }     class PartyTypeCode {         Type udt:IDType     }     class ID {         Type udt:IDType     }     class AdditionalID {         Type udt:IDType     }     class Name {         Type udt:TextType     }     class AccountIDList     class PostalAddress {         Type opn:LocationType     }     class Contact {         Type opn:ContactType     }     class Parties      PartyType "0..1" *-- "0..1" PartyTypeCode     PartyType "0..1" *-- "0..1" ID     PartyType "0..1" *-- "0..1" AdditionalID     PartyType "0..1" *-- "0..1" Name     PartyType "0..1" *-- "0..1" AccountIDList     PartyType "0..1" *-- "0..1" PostalAddress     PartyType "0..1" *-- "0..1" Contact     PartyType "0..1" *-- "0..1" Parties   </pre> <p>The diagram illustrates the structure of the <code>PartyType</code> complex type. It consists of a central <code>PartyType</code> object with various attributes represented as boxes with plus signs (+) indicating they are optional. These attributes include <code>PartyTypeCode</code>, <code>ID</code>, <code>AdditionalID</code>, <code>Name</code>, <code>AccountIDList</code>, <code>PostalAddress</code>, <code>Contact</code>, and <code>Parties</code>. A note below the <code>PartyType</code> box states: "An organization/Individual fulfilling a role in a business process." There are also two association points on the <code>PartyType</code> object, each with a minus sign (-) and a small circular icon.</p>				
Used by	<table border="1"> <tr> <td>Elements</td> <td>opn:BusinessInfoType/opn:Parties/opn:Party, opn:EventType/opn:Party, opn:PartyType/opn:Parties/opn:Party</td> </tr> <tr> <td>Complex Type</td> <td>opn:ShipperType</td> </tr> </table>	Elements	opn:BusinessInfoType/opn:Parties/opn:Party, opn:EventType/opn:Party, opn:PartyType/opn:Parties/opn:Party	Complex Type	opn:ShipperType
Elements	opn:BusinessInfoType/opn:Parties/opn:Party, opn:EventType/opn:Party, opn:PartyType/opn:Parties/opn:Party				
Complex Type	opn:ShipperType				
Model	opn:PartyTypeCode, opn:ID, opn:AdditionalID{0,1}, opn:Name{0,1}, opn:AccountIDList{0,1}, opn:PostalAddress{0,1}, opn:Contact{0,1}, opn:Parties{0,1}				
Children	opn:AccountIDList, opn:AdditionalID, opn:Contact, opn:ID, opn:Name, opn:Parties, opn:PartyTypeCode, opn:PostalAddress				
Source	<pre> &lt;xs:complexType name="PartyType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;An organization/Individual fulfilling a role in a business process.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="PartyTypeCode" type="udt:IDType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;e.g. CA:Carrier;CG:Carrier's agent; https://www.unece.org/trade/untdid/d00a/tred/tred3035.htm&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>				

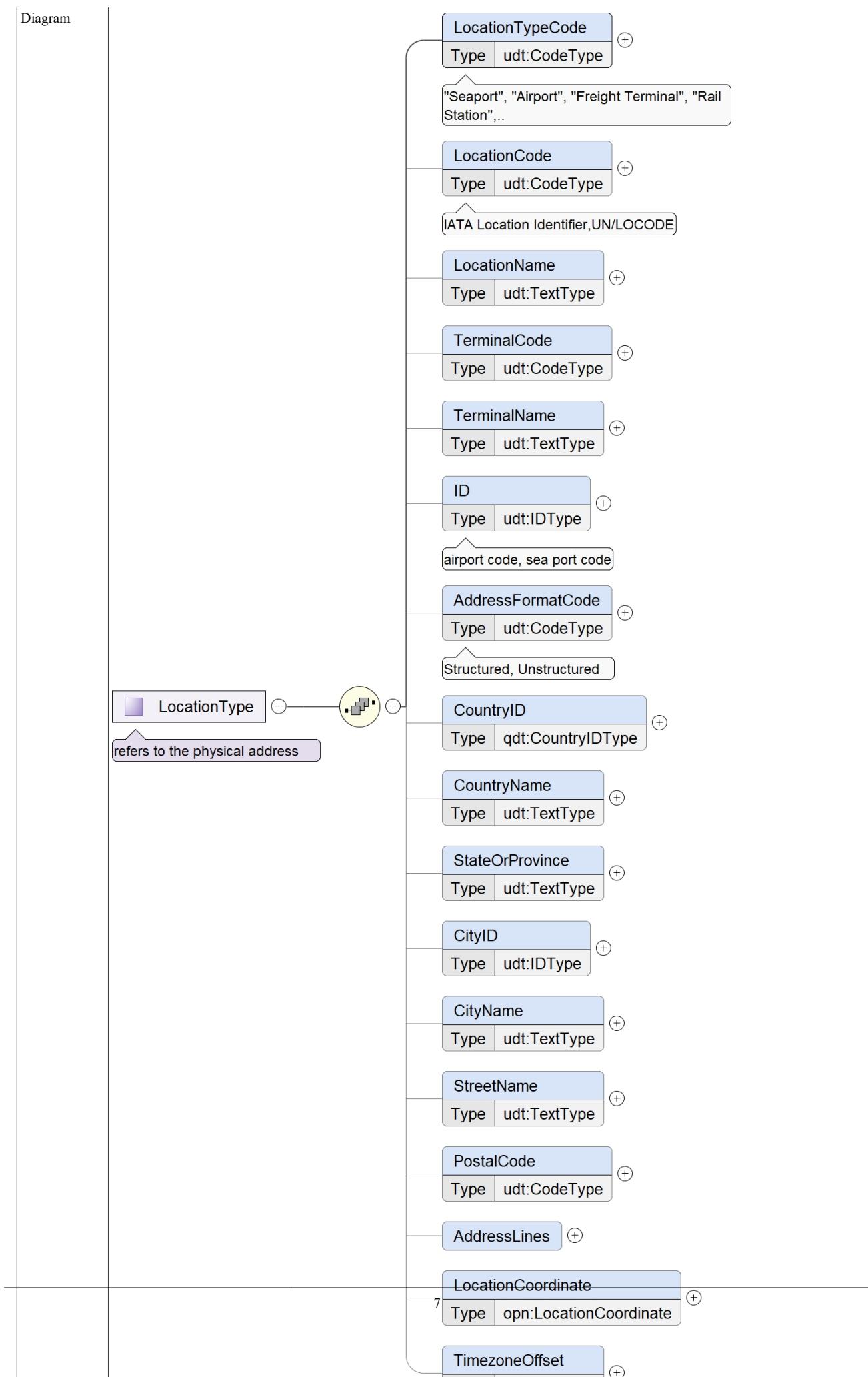
	<pre> &lt;/xs:element&gt; &lt;xs:element name="ID" nillable="false" type="udt:IDType" /&gt; &lt;xs:element name="AdditionalID" type="udt:IDType" minOccurs="0" /&gt; &lt;xs:element name="Name" type="udt:TextType" minOccurs="0" /&gt; &lt;xs:element name="AccountIDLList" minOccurs="0"&gt;     &lt;xs:complexType&gt;         &lt;xs:sequence&gt;             &lt;xs:element name="AccountID" type="opn:AccountIDType" maxOccurs="unbounded" minOccurs="1" /&gt;         &lt;/xs:sequence&gt;     &lt;/xs:complexType&gt; &lt;/xs:element&gt; &lt;xs:element name="PostalAddress" type="opn:LocationType" minOccurs="0" /&gt; &lt;xs:element name="Contact" type="opn&gt;ContactType" minOccurs="0" /&gt; &lt;xs:element name="Parties" minOccurs="0"&gt;     &lt;xs:complexType&gt;         &lt;xs:annotation&gt;             &lt;xs:documentation&gt;An association to another party who acts for this party.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;         &lt;xs:sequence&gt;             &lt;xs:element name="Party" type="opn:PartyType" maxOccurs="unbounded" minOccurs="1" /&gt;         &lt;/xs:sequence&gt;     &lt;/xs:complexType&gt; &lt;/xs:element&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:AccountIDType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class AccountIDType {         -IDSource         -Value     }     class IDSource {         +Type udt:TextType     }     class Value {         +Type udt:TextType     }      AccountIDType "1" -- "0..1" IDSource : -     AccountIDType "1" -- "0..1" Value : - </pre>
Used by	Element opn:PartyType/opn:AccountIDLList/opn:AccountID
Model	opn:IDSource{0,1} , opn:Value
Children	opn:IDSource, opn:Value
Source	<pre> &lt;xs:complexType name="AccountIDType"&gt;     &lt;xs:sequence&gt;         &lt;xs:element name="IDSource" type="udt:TextType" minOccurs="0" /&gt;         &lt;xs:element name="Value" type="udt:TextType" /&gt;     &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:LocationType

Namespace	www.openfreight.org
Annotations	refers to the physical address



Used by	Elements opn:PartyType/opn:PostalAddress, opn:SegmentType/opn:Destination, opn:SegmentType/opn:Origin, opn:ShipmentType/opn:DestinationLocation, opn:ShipmentType/opn:OriginLocation
Model	opn:LocationTypeCode , opn:LocationCode{0,1} , opn:LocationName{0,1} , opn:TerminalCode{0,1} , opn:TerminalName{0,1} , opn:ID{0,1} , opn:AddressFormatCode{0,1} , opn:CountryID{0,1} , opn:CountryName{0,1} , opn:StateOrProvince{0,1} , opn:CityID{0,1} , opn:CityName{0,1} , opn:StreetName{0,1} , opn:PostalCode{0,1} , opn:AddressLines{0,1} , opn:LocationCoordinate{0,1} , opn:TimezoneOffset{0,1}
Children	opn:AddressFormatCode, opn:AddressLines, opn:CityID, opn:CityName, opn:CountryID, opn:CountryName, opn:ID, opn:LocationCode, opn:LocationCoordinate, opn:LocationName, opn:LocationTypeCode, opn:PostalCode, opn:StateOrProvince, opn:StreetName, opn:TerminalCode, opn:TerminalName, opn:TimezoneOffset
Source	<pre> &lt;xs:complexType name="LocationType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;refers to the physical address&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="LocationTypeCode" type="udt:CodeType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;"Seaport", "Airport", "Freight Terminal", "Rail Station", ...&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="LocationCode" type="udt:CodeType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;IATA Location Identifier,UN/LOCODE&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="LocationName" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="TerminalCode" type="udt:CodeType" minOccurs="0"/&gt;     &lt;xs:element name="TerminalName" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="ID" type="udt:IDType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;airport code, sea port code&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AddressFormatCode" type="udt:CodeType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Structured, Unstructured&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="CountryID" type="qdt:CountryIDType" minOccurs="0"/&gt;     &lt;xs:element name="CountryName" minOccurs="0" type="udt:TextType"/&gt;     &lt;xs:element name="StateOrProvince" minOccurs="0" type="udt:TextType"/&gt;     &lt;xs:element name="CityID" type="udt:IDType" minOccurs="0"/&gt;     &lt;xs:element name="CityName" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="StreetName" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="PostalCode" minOccurs="0" type="udt:CodeType"/&gt;     &lt;xs:element name="AddressLines" minOccurs="0"&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element maxOccurs="unbounded" name="AddressLine" type="udt:TextType"/&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="LocationCoordinate" type="opn:LocationCoordinate" minOccurs="0"/&gt;     &lt;xs:element name="TimezoneOffset" minOccurs="0" type="udt:TextType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Time offset from Universal Coordinated Time (UTC)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:LocationCoordinate

Namespace	www.openfreight.org
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Diagram	<pre> classDiagram     class LocationCoordinate     class CoordinateSystemCode     class LatitudeDegreesMeasure     class LatitudeMinutesMeasure     class LongitudeDegreesMeasure     class LongitudeMinutesMeasure      LocationCoordinate "1" --&gt; "1" CoordinateSystemCode     LocationCoordinate "1" --&gt; "1" LatitudeDegreesMeasure     LocationCoordinate "1" --&gt; "1" LatitudeMinutesMeasure     LocationCoordinate "1" --&gt; "1" LongitudeDegreesMeasure     LocationCoordinate "1" --&gt; "1" LongitudeMinutesMeasure   </pre>
Used by	Element opn:LocationType/opn:LocationCoordinate
Model	opn:CoordinateSystemCode , opn:LatitudeDegreesMeasure , opn:LatitudeMinutesMeasure , opn:LongitudeDegreesMeasure , opn:LongitudeMinutesMeasure
Children	opn:CoordinateSystemCode, opn:LatitudeDegreesMeasure, opn:LatitudeMinutesMeasure, opn:LongitudeDegreesMeasure, opn:LongitudeMinutesMeasure
Source	<pre> &lt;xs:complexType name="LocationCoordinate"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="CoordinateSystemCode" type="udt:CodeType"/&gt;     &lt;xs:element name="LatitudeDegreesMeasure" type="udt:MeasureType"/&gt;     &lt;xs:element name="LatitudeMinutesMeasure" type="udt:MeasureType"/&gt;     &lt;xs:element name="LongitudeDegreesMeasure" type="udt:MeasureType"/&gt;     &lt;xs:element name="LongitudeMinutesMeasure" type="udt:MeasureType"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:ContactType

Namespace	www.openfreight.org
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Diagram	<pre> classDiagram     class ContactType {         ID         Name         Telephone         Telefax         ElectronicMail         Note     }     class ID {         Type udt:IDType     }     class Name {         Type udt:TextType     }     class Telephone {         Type opn:TelephoneType     }     class Telefax {         Type opn:TelefaxType     }     class ElectronicMail {         Type udt:TextType     }     class Note {         Type udt:TextType     }      ContactType "0..1" -- "1" ID :      ContactType "0..1" -- "1" Name :      ContactType "0..1" -- "1" Telephone :      ContactType "0..1" -- "1" Telefax :      ContactType "0..1" -- "1" ElectronicMail :      ContactType "0..1" -- "1" Note :   </pre>
Used by	Element open:PartyType/open>Contact
Model	open:ID , open:Name{0,1} , open:Telephone{0,1} , open:Telefax{0,1} , open:ElectronicMail{0,1} , open>Note{0,1}
Children	open:ElectronicMail, open:ID, open:Name, open>Note, open:Telefax, open:Telephone
Source	<pre> &lt;xs:complexType name="ContactType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="ID" type="udt:IDType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Contact identifier&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Name" type="udt:TextType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;he name of the Contact&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Telephone" type="opn:TelephoneType" minOccurs="0"/&gt;     &lt;xs:element name="Telefax" type="opn:TelefaxType" minOccurs="0"/&gt;     &lt;xs:element name="ElectronicMail" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="Note" type="udt:TextType" minOccurs="0"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>
Schema location	file:D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

### Complex Type **open:TelephoneType**

Namespace	www.openfreight.org
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Diagram	<pre> classDiagram     class TelephoneType {         &lt;&lt;Base Type&gt;&gt; udt:TextType     }     class udt:TextType {         &lt;&lt;extension base="xsd:string"&gt;&gt;         &lt;&lt;Attributes&gt;&gt; @languageID         &lt;&lt;ccts:Name&gt;&gt;Text. Language. Identifier&lt;/ccts:Name&gt;         &lt;&lt;ccts:Definition&gt;&gt;The identifier of the language used in the corresponding text string.&lt;/ccts:Definition&gt;         &lt;&lt;ccts:PrimitiveType&gt;&gt;string&lt;/ccts:PrimitiveType&gt;     }   </pre>									
Type	extension of udt:TextType									
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• udt:TextType</li> <li>• opn:TelephoneType</li> </ul>									
Used by	Element opn>ContactType/opn:Telephone									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>languageID</td><td>xsd:language</td><td>optional</td></tr> <tr> <td></td><td></td><td> &lt;ccts:Name&gt;Text. Language. Identifier&lt;/ccts:Name&gt;  &lt;ccts:Definition&gt;The identifier of the language used in the corresponding text string.&lt;/ccts:Definition&gt;  &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt; </td></tr> </tbody> </table>	QName	Type	Use	languageID	xsd:language	optional			<ccts:Name>Text. Language. Identifier</ccts:Name> <ccts:Definition>The identifier of the language used in the corresponding text string.</ccts:Definition> <ccts:PrimitiveType>string</ccts:PrimitiveType>
QName	Type	Use								
languageID	xsd:language	optional								
		<ccts:Name>Text. Language. Identifier</ccts:Name> <ccts:Definition>The identifier of the language used in the corresponding text string.</ccts:Definition> <ccts:PrimitiveType>string</ccts:PrimitiveType>								
Source	<pre> &lt;xsd:complexType name="TelephoneType"&gt;   &lt;xsd:simpleContent&gt;     &lt;xsd:extension base="udt:TextType" /&gt;   &lt;/xsd:simpleContent&gt; &lt;/xsd:complexType&gt; </pre>									
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd									

## Complex Type opn:TelefaxType

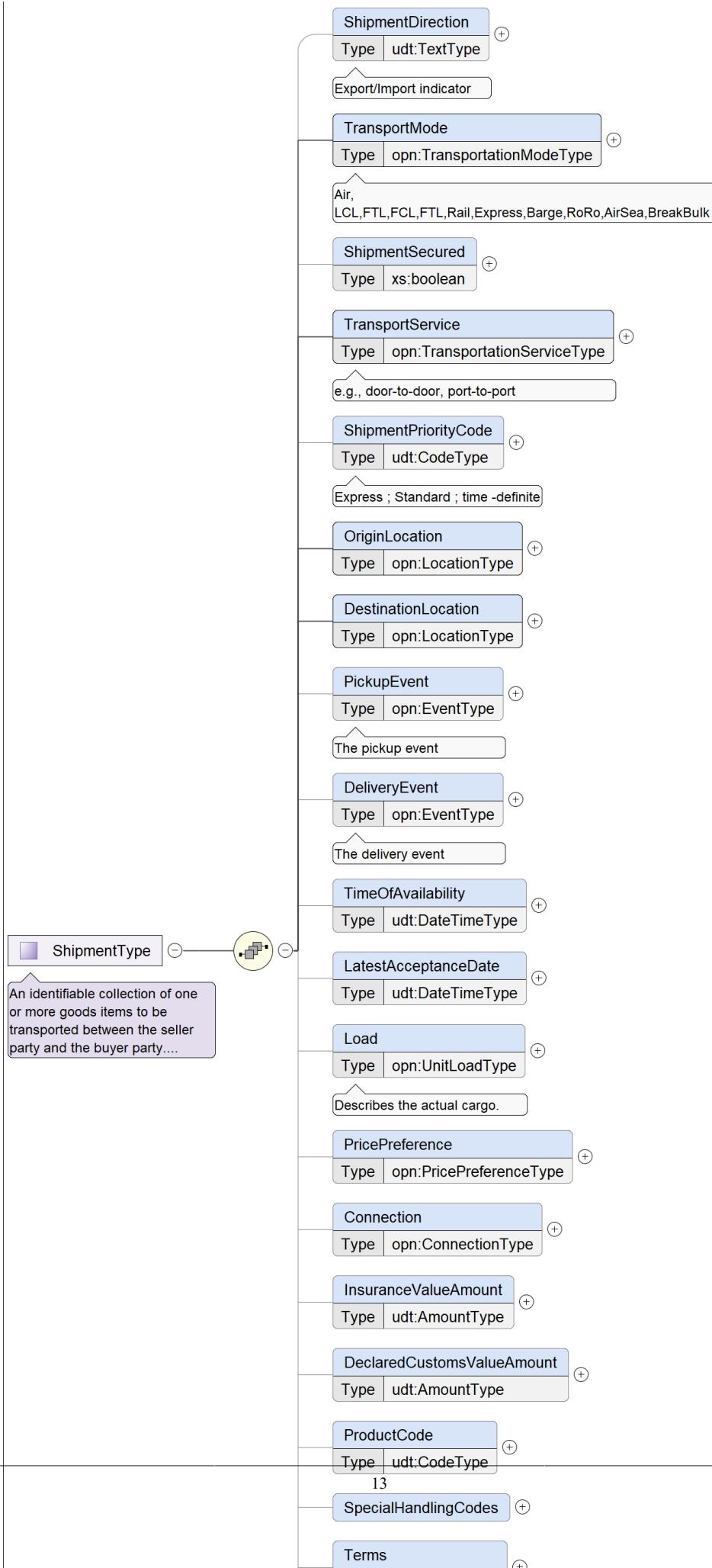
Namespace	www.openfreight.org
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Diagram	<pre> classDiagram     TelefaxType &lt; -- udt:TextType     TelefaxType {         xsd:string languageID     }     udt:TextType {         xsd:string         &lt;!-- Built-in primitive type. The string datatype represents character strings in XML.         @languageID         &lt;ccts:Name&gt;Text. Language. Identifier&lt;/ccts:Name&gt;         &lt;ccts:Definition&gt;The identifier of the language used in the corresponding text string.&lt;/ccts:Definition&gt;         &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;     } </pre>									
Type	extension of udt:TextType									
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• udt:TextType</li> <li>• opn:TelefaxType</li> </ul>									
Used by	Element opn>ContactType/opn:Telefax									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>languageID</td><td>xsd:language</td><td>optional</td></tr> <tr> <td></td><td></td><td> &lt;ccts:Name&gt;Text. Language. Identifier&lt;/ccts:Name&gt;  &lt;ccts:Definition&gt;The identifier of the language used in the corresponding text string.&lt;/ccts:Definition&gt;  &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt; </td></tr> </tbody> </table>	QName	Type	Use	languageID	xsd:language	optional			<ccts:Name>Text. Language. Identifier</ccts:Name> <ccts:Definition>The identifier of the language used in the corresponding text string.</ccts:Definition> <ccts:PrimitiveType>string</ccts:PrimitiveType>
QName	Type	Use								
languageID	xsd:language	optional								
		<ccts:Name>Text. Language. Identifier</ccts:Name> <ccts:Definition>The identifier of the language used in the corresponding text string.</ccts:Definition> <ccts:PrimitiveType>string</ccts:PrimitiveType>								
Source	<pre> &lt;xsd:complexType name="TelefaxType"&gt;     &lt;xsd:simpleContent&gt;         &lt;xsd:extension base="udt:TextType" /&gt;     &lt;/xsd:simpleContent&gt; &lt;/xsd:complexType&gt; </pre>									
Schema location	file:D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd									

## Complex Type opn:ShipmentType

Namespace	www.openfreight.org
Annotations	An identifiable collection of one or more goods items to be transported between the seller party and the buyer party. This information may be defined within a commercial contract. A shipment can be transported in different consignments (e.g., split for logistical purposes).

Diagram



Model	opn:ShipmentDirection{0,1} , opn:TransportMode , opn:ShipmentSecured{0,1} , opn:TransportService , opn:ShipmentPriorityCode{0,1} , opn:OriginLocation , opn:DestinationLocation , opn:PickupEvent{0,1} , opn:DeliveryEvent{0,1} , opn:TimeOfAvailability{0,1} , opn:LatestAcceptanceDate{0,1} , opn:Load{0,1} , opn:PricePreference{0,1} , opn:Connection{0,1} , opn:InsuranceValueAmount{0,1} , opn:DeclaredCustomsValueAmount{0,1} , opn:ProductCode{0,1} , opn:SpecialHandlingCodes{0,1} , opn:Terms{0,1} , opn:CommodityClassification{0,1} , opn:Accessorialis{0,1} , opn:GeneralInformation{0,1} , opn:Condition{0,1} , opn:AdditionalInformation{0,1}
Children	opn:Accessorialis , opn:AdditionalInformation , opn:CommodityClassification , opn:Condition , opn:Connection , opn:DeclaredCustomsValueAmount , opn:DeliveryEvent , opn:DestinationLocation , opn:GeneralInformation , opn:InsuranceValueAmount , opn:LatestAcceptanceDate , opn:Load , opn:OriginLocation , opn:PickupEvent , opn:PricePreference , opn:ProductCode , opn:ShipmentDirection , opn:ShipmentPriorityCode , opn:ShipmentSecured , opn:SpecialHandlingCodes , opn:Terms , opn:TimeOfAvailability , opn:TransportMode , opn:TransportService
Source	<pre> &lt;xs:complexType name="ShipmentType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;An identifiable collection of one or more goods items to be transported between the seller party and the buyer party. This information may be defined within a commercial contract. A shipment can be transported in different consignments (e.g., split for logistical purposes).&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="ShipmentDirection" type="udt:TextType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Export/Import indicator&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="TransportMode" type="opn:TransportationModeType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Air, LCL, FTL, FCL, FTL, Rail, Express, Barge, RoRo, AirSea, BreakBulk&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ShipmentSecured" type="xs:boolean" minOccurs="0"/&gt;     &lt;xs:element name="TransportService" type="opn:TransportationServiceType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;e.g., door-to-door, port-to-port&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ShipmentPriorityCode" type="udt:CodeType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Express ; Standard ; time -definite&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="OriginLocation" type="opn:LocationType" minOccurs="1"/&gt;     &lt;xs:element name="DestinationLocation" type="opn:LocationType" minOccurs="1"/&gt;     &lt;xs:element name="PickupEvent" type="opn:EventType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The pickup event&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="DeliveryEvent" type="opn:EventType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The delivery event&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="TimeOfAvailability" type="udt:DateTimeType" minOccurs="0"/&gt;     &lt;xs:element name="LatestAcceptanceDate" type="udt:DateTimeType" minOccurs="0"/&gt;     &lt;xs:element name="Load" type="opn:UnitLoadType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Describes the actual cargo.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="PricePreference" type="opn:PricePreferenceType" minOccurs="0"/&gt;     &lt;xs:element name="Connection" type="opn:ConnectionType" minOccurs="0"/&gt;     &lt;xs:element name="InsuranceValueAmount" type="udt:AmountType" minOccurs="0"/&gt;     &lt;xs:element name="DeclaredCustomsValueAmount" type="udt:AmountType" minOccurs="0"/&gt;     &lt;xs:element name="ProductCode" type="udt:CodeType" minOccurs="0"/&gt;     &lt;xs:element name="SpecialHandlingCodes" minOccurs="0"&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element maxOccurs="unbounded" minOccurs="1" name="Code" type="udt:CodeType"/&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Terms" type="opn:TermsType" minOccurs="0"/&gt;     &lt;xs:element name="CommodityClassification" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation/&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:complexType&gt;       &lt;xs:sequence&gt;     </pre>

```

<xs:element maxOccurs="unbounded" minOccurs="1" name="CommodityClass"
type="opn:CommodityClassificationType">
    <xs:annotation>
        <xs:documentation/>
    </xs:annotation>
    </xs:element>
</xs:sequence>
<xs:complexType>
<xs:element name="Accessorial" minOccurs="0">
    <xs:complexType>
        <xs:sequence>
            <xs:element maxOccurs="unbounded" minOccurs="0" name="Accessorial"
type="opn:AccessorialType"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="GeneralInformation" type="udt:TextType" minOccurs="0"/>
<xs:element name="Condition" type="opn:ConditionType" minOccurs="0"/>
<xs:element name="AdditionalInformation" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Additional information specific to message requester such as Origin Search
Type, DestinationSearchType</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element maxOccurs="unbounded" minOccurs="0" name="Information"
type="opn:AdditionalPropertyType">
                <xs:annotation>
                    <xs:documentation/>
                </xs:annotation>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>

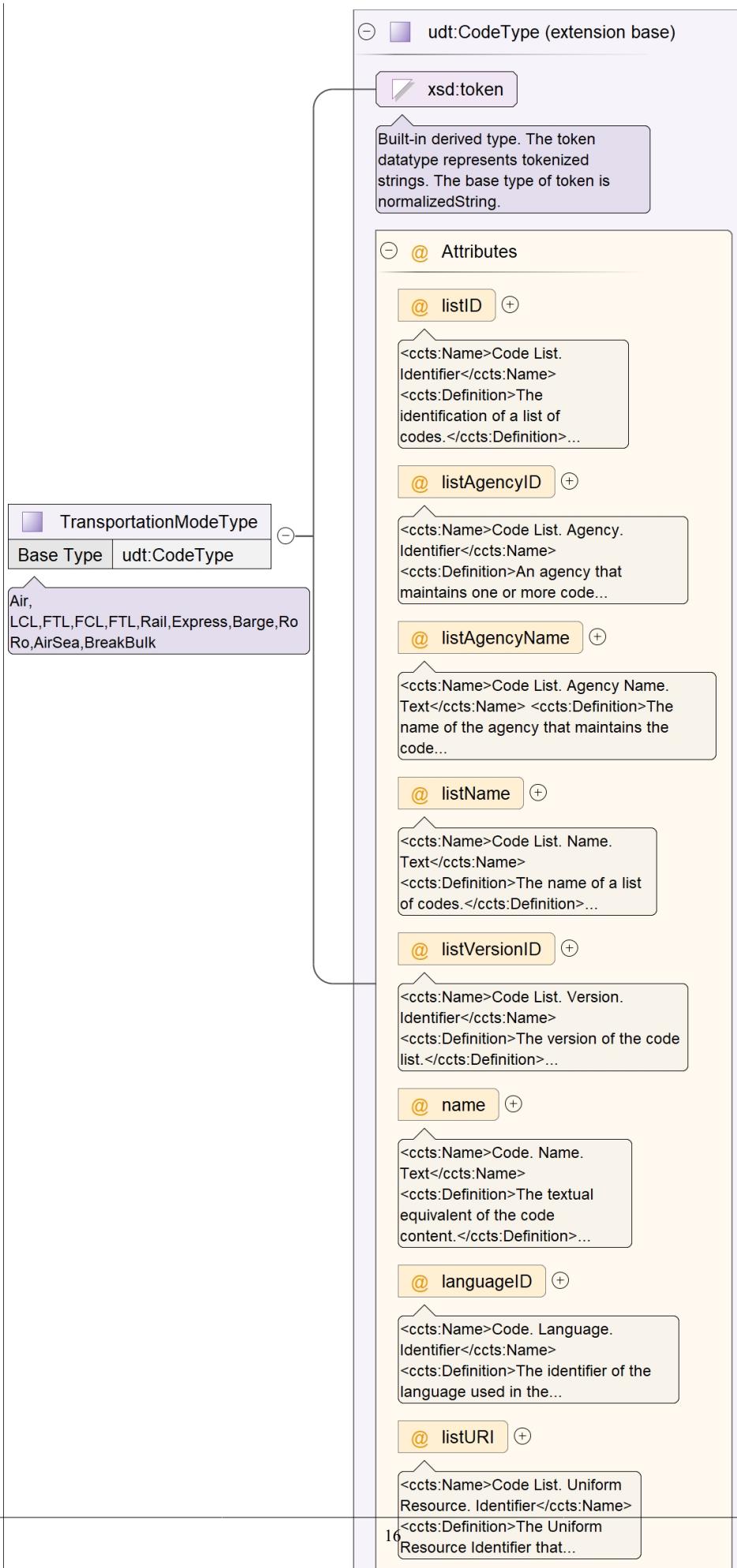
```

Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd
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## Complex Type opn:TransportationModeType

Namespace	www.openfreight.org
Annotations	Air, LCL, FTL, FCL, FTL, Rail, Express, Barge, RoRo, AirSea, BreakBulk

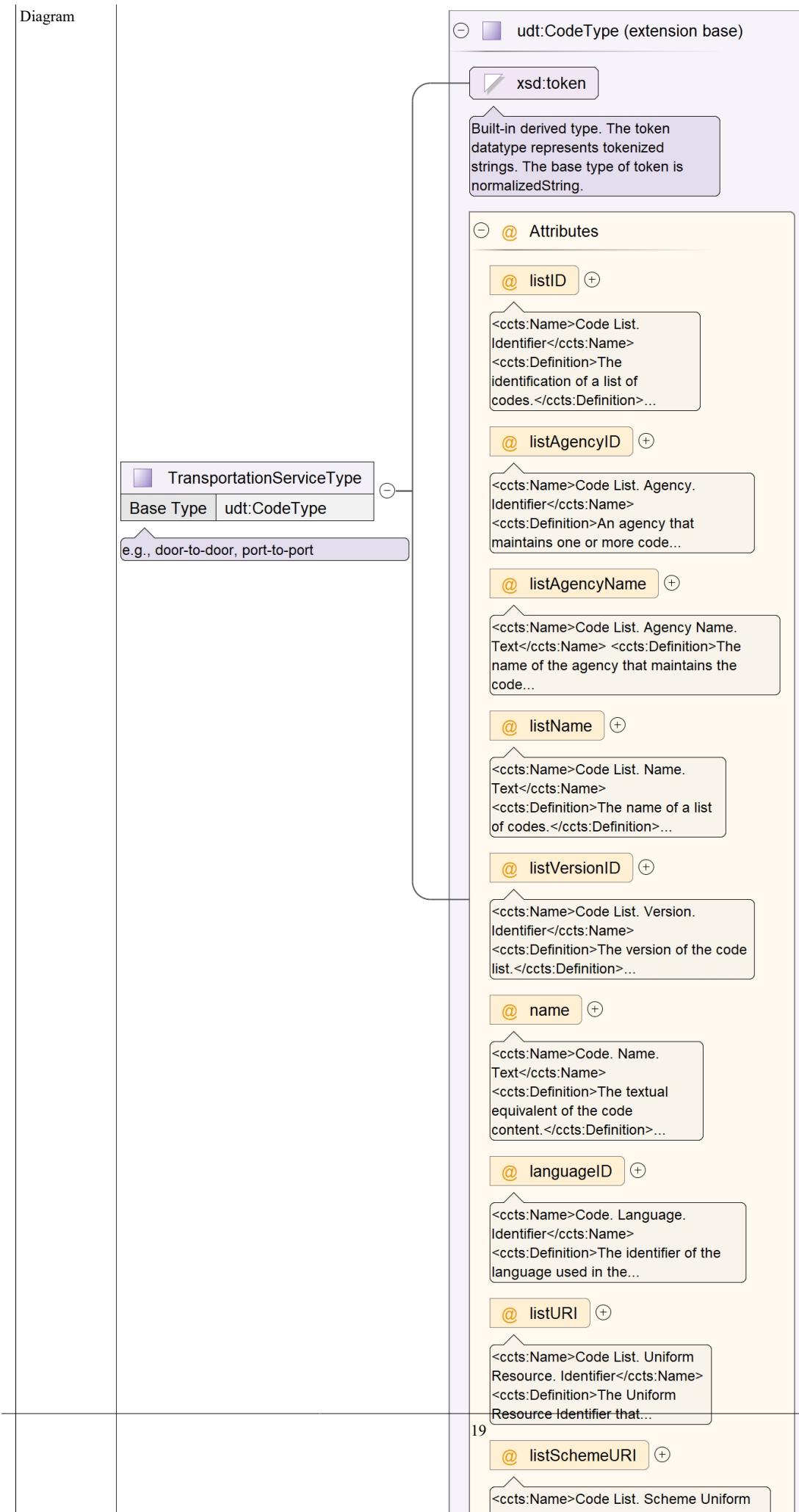
Diagram



Type	extension of udt:CodeType		
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:token</li> <li>• udt:CodeType</li> <li>• opn:TransportationModeType</li> </ul>		
Used by	Elements opn:SegmentType/opn:TransportMode, opn:ShipmentType/opn:TransportMode		
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>
	<b>languageID</b>	xsd:language	optional
		<p>&lt;ccts:Name&gt;Code. Language. Identifier&lt;/ccts:Name&gt;          &lt;ccts:Definition&gt;The identifier of the language used in the corresponding text string.&lt;/ccts:Definition&gt;          &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</p>	
	<b>listAgencyID</b>	clm63055:AgencyIdentificationCodeContentType	optional
		<p>&lt;ccts:Name&gt;Code List. Agency. Identifier&lt;/ccts:Name&gt;          &lt;ccts:Definition&gt;An agency that maintains one or more code lists.&lt;/ccts:Definition&gt;          &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;          &lt;ccts:UsageRule&gt;Should be used&lt;/ccts:UsageRule&gt;</p>	
	<b>listAgencyName</b>	xsd:string	optional
		<p>&lt;ccts:Name&gt;Code List. Agency Name. Text&lt;/ccts:Name&gt;          &lt;ccts:Definition&gt;The name of the agency that maintains the code list.&lt;/ccts:Definition&gt;          &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;          &lt;ccts:UsageRule&gt;Use if Code List. Agency. Identifier is not used&lt;/ccts:UsageRule&gt;</p>	
	<b>listID</b>	xsd:token	optional
		<p>&lt;ccts:Name&gt;Code List. Identifier&lt;/ccts:Name&gt;          &lt;ccts:Definition&gt;The identification of a list of codes.&lt;/ccts:Definition&gt;          &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</p>	
	<b>listName</b>	xsd:string	optional
		<p>&lt;ccts:Name&gt;Code List. Name. Text&lt;/ccts:Name&gt;          &lt;ccts:Definition&gt;The name of a list of codes.&lt;/ccts:Definition&gt;          &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</p>	
Source	<b>listSchemeURI</b>	xsd:anyURI	optional
		<p>&lt;ccts:Name&gt;Code List. Scheme Uniform Resource. Identifier&lt;/ccts:Name&gt;          &lt;ccts:Definition&gt;The Uniform Resource Identifier that identifies where the code list scheme is located.&lt;/ccts:Definition&gt;          &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</p>	
	<b>listURI</b>	xsd:anyURI	optional
		<p>&lt;ccts:Name&gt;Code List. Uniform Resource. Identifier&lt;/ccts:Name&gt;          &lt;ccts:Definition&gt;The Uniform Resource Identifier that identifies where the code list is located.&lt;/ccts:Definition&gt;          &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</p>	
	<b>listVersionID</b>	xsd:token	optional
		<p>&lt;ccts:Name&gt;Code List. Version. Identifier&lt;/ccts:Name&gt;          &lt;ccts:Definition&gt;The version of the code list.&lt;/ccts:Definition&gt;          &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</p>	
Schema location	<b>name</b>	xsd:string	optional
		<p>&lt;ccts:Name&gt;Code. Name. Text&lt;/ccts:Name&gt;          &lt;ccts:Definition&gt;The textual equivalent of the code content.&lt;/ccts:Definition&gt;          &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</p>	

### **Complex Type opn:TransportationServiceType**

Namespace	www.openfreight.org
Annotations	e.g., door-to-door, port-to-port



Type	extension of udt:CodeType				
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:token</li> <li>• udt:CodeType</li> <li>• opn:TransportationServiceType</li> </ul>				
Used by	Element opn:ShipmentType/opn:TransportService				
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>		
	<b>languageID</b>	xsd:language	optional		
		<pre>&lt;ccts:Name&gt;Code. Language. Identifier&lt;/ccts:Name&gt; &lt;ccts:Definition&gt;The identifier of the language used in the corresponding text string.&lt;/ccts:Definition&gt; &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</pre>			
	<b>listAgencyID</b>	clm63055:AgencyIdentificationCodeContentType	optional		
		<pre>&lt;ccts:Name&gt;Code List. Agency. Identifier&lt;/ccts:Name&gt; &lt;ccts:Definition&gt;An agency that maintains one or more code lists.&lt;/ccts:Definition&gt; &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt; &lt;ccts:UsageRule&gt;Should be used&lt;/ccts:UsageRule&gt;</pre>			
	<b>listAgencyName</b>	xsd:string	optional		
		<pre>&lt;ccts:Name&gt;Code List. Agency Name. Text&lt;/ccts:Name&gt; &lt;ccts:Definition&gt;The name of the agency that maintains the code list.&lt;/ccts:Definition&gt; &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt; &lt;ccts:UsageRule&gt;Use if Code List. Agency. Identifier is not used&lt;/ccts:UsageRule&gt;</pre>			
	<b>listID</b>	xsd:token	optional		
		<pre>&lt;ccts:Name&gt;Code List. Identifier&lt;/ccts:Name&gt; &lt;ccts:Definition&gt;The identification of a list of codes.&lt;/ccts:Definition&gt; &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</pre>			
	<b>listName</b>	xsd:string	optional		
		<pre>&lt;ccts:Name&gt;Code List. Name. Text&lt;/ccts:Name&gt; &lt;ccts:Definition&gt;The name of a list of codes.&lt;/ccts:Definition&gt; &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</pre>			
	<b>listSchemeURI</b>	xsd:anyURI	optional		
		<pre>&lt;ccts:Name&gt;Code List. Scheme Uniform Resource. Identifier&lt;/ccts:Name&gt; &lt;ccts:Definition&gt;The Uniform Resource Identifier that identifies where the code list scheme is located.&lt;/ccts:Definition&gt; &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</pre>			
	<b>listURI</b>	xsd:anyURI	optional		
		<pre>&lt;ccts:Name&gt;Code List. Uniform Resource. Identifier&lt;/ccts:Name&gt; &lt;ccts:Definition&gt;The Uniform Resource Identifier that identifies where the code list is located.&lt;/ccts:Definition&gt; &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</pre>			
	<b>listVersionID</b>	xsd:token	optional		
		<pre>&lt;ccts:Name&gt;Code List. Version. Identifier&lt;/ccts:Name&gt; &lt;ccts:Definition&gt;The version of the code list.&lt;/ccts:Definition&gt; &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</pre>			
	<b>name</b>	xsd:string	optional		
		<pre>&lt;ccts:Name&gt;Code. Name. Text&lt;/ccts:Name&gt; &lt;ccts:Definition&gt;The textual equivalent of the code content.&lt;/ccts:Definition&gt; &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;</pre>			
Source	<pre>&lt;xs:complexType name="TransportationServiceType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;e.g., door-to-door, port-to-port&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:simpleContent&gt;     &lt;xs:extension base="udt:CodeType" /&gt;   &lt;/xs:simpleContent&gt; &lt;/xs:complexType&gt;</pre>				
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd				

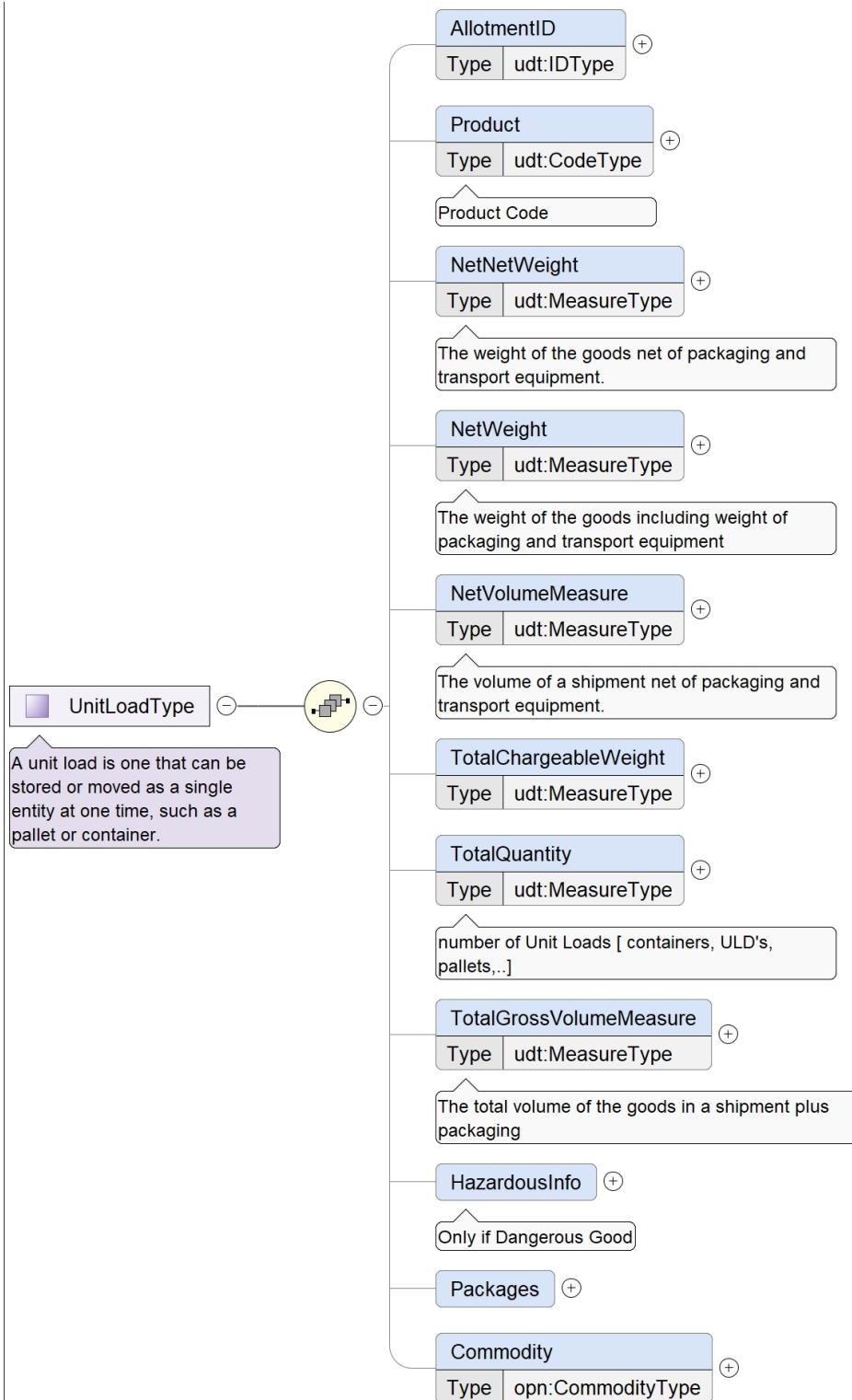
## Complex Type opn:EventType

Namespace	www.openfreight.org
Diagram	<pre> graph LR     EventType[EventType] -- "-" --&gt; Connect(( ))     Connect -- "+" --&gt; EventDate[EventDate]     Connect -- "+" --&gt; Party[Party Type   opn:PartyType]   </pre>
Used by	Elements opn:ShipmentType/opn:DeliveryEvent, opn:ShipmentType/opn:PickupEvent
Model	opn:EventType , opn:Party {0,1}
Children	opn:EventDate, opn:Party
Source	<pre> &lt;xss:complexType name="EventType"&gt;   &lt;xss:sequence&gt;     &lt;xss:element name="EventDate"&gt;       &lt;xss:complexType&gt;         &lt;xss:sequence&gt;           &lt;xss:element name="ActualDateTime" type="udt:DateTimeType" minOccurs="0"/&gt;           &lt;xss:element name="ScheduledDateTime" type="udt:DateTimeType"/&gt;         &lt;/xss:sequence&gt;       &lt;/xss:complexType&gt;     &lt;/xss:element&gt;     &lt;xss:element name="Party" type="opn:PartyType" minOccurs="0"/&gt;   &lt;/xss:sequence&gt; &lt;/xss:complexType&gt;   </pre>
Schema location	file:///D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:UnitLoadType

Namespace	www.openfreight.org
Annotations	A unit load is one that can be stored or moved as a single entity at one time, such as a pallet or container.

Diagram



Used by	Element opn:ShipmentType/opn:Load
Model	<code>opn:AllotmentID{0,1}</code> , <code>opn:Product{0,1}</code> , <code>opn:NetNetWeight{0,1}</code> , <code>opn:NetWeight{0,1}</code> , <code>opn:NetVolumeMeasure{0,1}</code> , <code>opn:TotalChargeableWeight{0,1}</code> , <code>opn:TotalQuantity{0,1}</code> , <code>opn:TotalGrossVolumeMeasure{0,1}</code> , <code>opn:HazardousInfo{0,1}</code> , <code>opn:Packages{0,1}</code> , <code>opn:Commodity{0,1}</code>
Children	<code>opn:AllotmentID</code> , <code>opn:Commodity</code> , <code>opn:HazardousInfo</code> , <code>opn:NetNetWeight</code> , <code>opn:NetVolumeMeasure</code> , <code>opn:NetWeight</code> , <code>opn:Packages</code> , <code>opn:Product</code> , <code>opn:TotalChargeableWeight</code> , <code>opn:TotalGrossVolumeMeasure</code> , <code>opn:TotalQuantity</code>
Source	<pre> &lt;xs:complexType name="UnitLoadType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;A unit load is one that can be stored or moved as a single entity at one time, such as a pallet or container.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:complexType&gt; </pre>

```

</xs:annotation>
<xs:sequence>
  <xs:element name="AllotmentID" type="udt:IDType" minOccurs="0">
  <xs:element name="Product" type="udt:CodeType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Product Code</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="NetNetWeight" type="udt:MeasureType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The weight of the goods net of packaging and transport equipment.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="NetWeight" type="udt:MeasureType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The weight of the goods including weight of packaging and transport equipment</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="NetVolumeMeasure" type="udt:MeasureType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The volume of a shipment net of packaging and transport equipment.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="TotalChargeableWeight" type="udt:MeasureType" minOccurs="0">
  <xs:element name="TotalQuantity" type="udt:MeasureType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>number of Unit Loads [ containers, ULD's, pallets,...]</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="TotalGrossVolumeMeasure" type="udt:MeasureType" minOccurs="0">
    <xs:annotation>
      <xs:documentation>The total volume of the goods in a shipment plus packaging</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="HazardousInfo" maxOccurs="1" minOccurs="0">
    <xs:annotation>
      <xs:documentation>Only if Dangerous Good</xs:documentation>
    </xs:annotation>
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Info" type="opn:HazardousMaterialType" minOccurs="1" maxOccurs="unbounded">
          <xs:annotation>
            <xs:documentation/>
          </xs:annotation>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Packages" minOccurs="0">
    <xs:complexType>
      <xs:sequence>
        <xs:element maxOccurs="unbounded" minOccurs="1" name="Package" type="opn:PackageType"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Commodity" type="opn:CommodityType" minOccurs="0"/>
</xs:sequence>
</xs:complexType>

```

Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd
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## Complex Type opn:HazardousMaterialType

Namespace	www.openfreight.org
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Diagram	<pre> classDiagram     class HazardousMaterialType {         HazardClassID         Description         PackingInstruction         ToxicityZoneCode         Temperature     }     HazardousMaterialType "0..1" *-- "1..1" HazardClassID     HazardousMaterialType "0..1" *-- "1..1" Description     HazardousMaterialType "0..1" *-- "1..1" PackingInstruction     HazardousMaterialType "0..1" *-- "1..1" ToxicityZoneCode     HazardousMaterialType "0..1" *-- "1..1" Temperature   </pre>
Used by	Elements      opn:PackageType/opn:HazardousInfo, opn:UnitLoadType/opn:HazardousInfo/opn:Info
Model	opn:HazardClassID , opn:Description , opn:PackingInstruction , opn:ToxicityZoneCode , opn:Temperature
Children	opn:Description, opn:HazardClassID, opn:PackingInstruction, opn:Temperature, opn:ToxicityZoneCode
Source	<pre> &lt;xs:complexType name="HazardousMaterialType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="HazardClassID" type="udt:CodeType"/&gt;     &lt;xs:element name="Description" type="udt:TextType"/&gt;     &lt;xs:element name="PackingInstruction" type="opn:InstructionType"/&gt;     &lt;xs:element name="ToxicityZoneCode" type="udt:CodeType"/&gt;     &lt;xs:element name="Temperature" type="udt:MeasureType"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

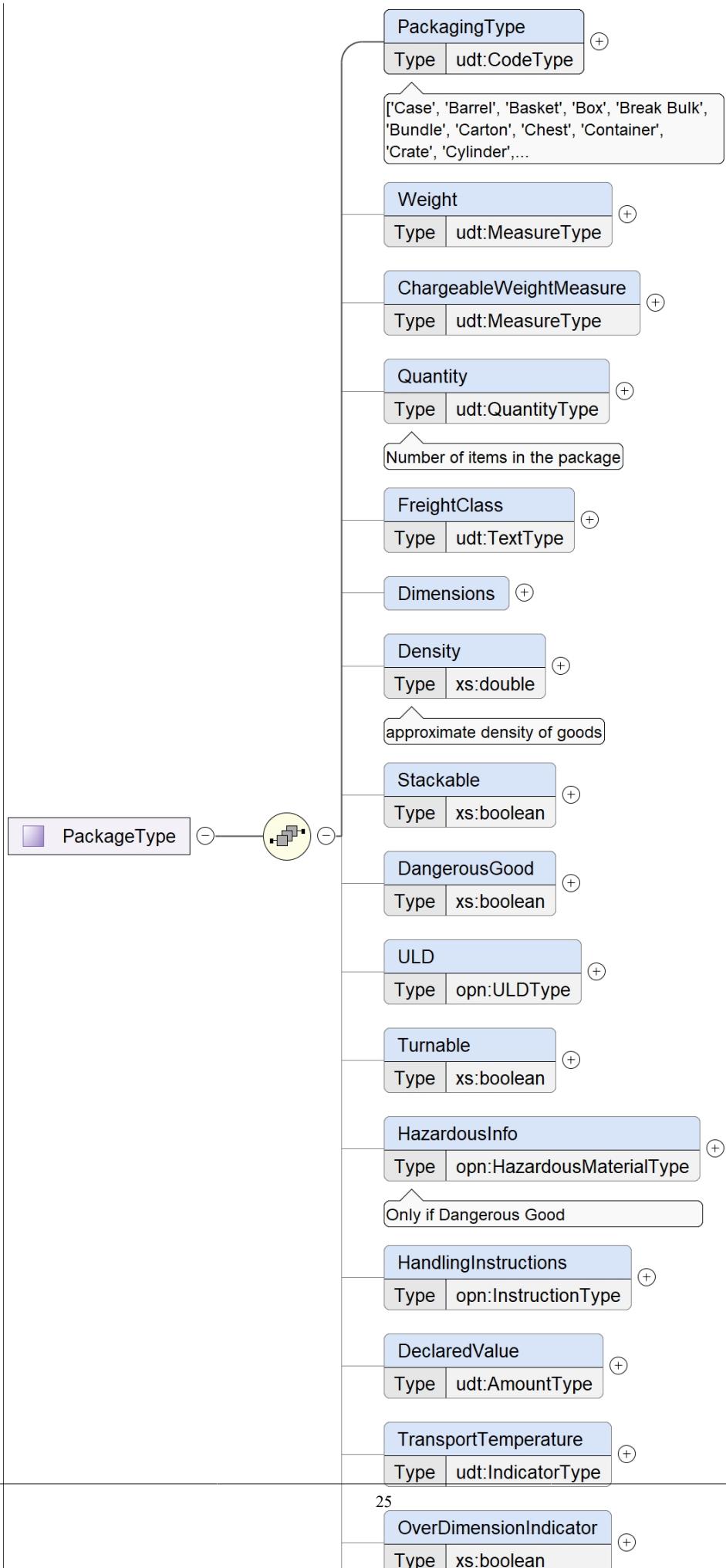
## Complex Type opn:InstructionType

Namespace	www.openfreight.org
Annotations	e.g handling instructions
Diagram	<pre> classDiagram     class InstructionType {         InstructionLine     }     InstructionType "0..1" *-- "1..1" InstructionLine   </pre> <p>e.g handling instructions</p>
Used by	Elements      opn:HazardousMaterialType/opn:PackingInstruction, opn:PackageType/opn:HandlingInstructions
Model	opn:InstructionLine+
Children	opn:InstructionLine
Source	<pre> &lt;xs:complexType name="InstructionType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;e.g handling instructions&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="InstructionLine" maxOccurs="unbounded" type="udt:TextType"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:PackageType

Namespace	www.openfreight.org
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Diagram



Used by	Element opn:UnitLoadType/opn:Packages/opn:Package
Model	opn:PackagingType , opn:Weight{0,1} , opn:ChargeableWeightMeasure{0,1} , opn:Quantity{0,1} , opn:FreightClass{0,1} , opn:Dimensions{0,1} , opn:Density{0,1} , opn:Stackable{0,1} , opn:DangerousGood{0,1} , opn:ULD{0,1} , opn:Turnable{0,1} , opn:HazardousInfo{0,1} , opn:HandlingInstructions{0,1} , opn:DeclaredValue{0,1} , opn:TransportTemperature{0,1} , opn:OverDimensionIndicator{0,1} , opn:OverWeightIndicator{0,1}
Children	opn:ChargeableWeightMeasure, opn:DangerousGood, opn:DeclaredValue, opn:Density, opn:Dimensions, opn:FreightClass, opn:HandlingInstructions, opn:HazardousInfo, opn:OverDimensionIndicator, opn:OverWeightIndicator, opn:PackagingType, opn:Quantity, opn:Stackable, opn:TransportTemperature, opn:Turnable, opn:ULD, opn:Weight
Source	<pre> &lt;xs:complexType name="PackageType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="PackagingType" type="udt:CodeType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;[Case', 'Barrel', 'Basket', 'Box', 'Break Bulk', 'Bundle', 'Carton', 'Chest', 'Container', 'Crate', 'Cylinder', 'Drum', 'Lift Van', 'Package', 'Pallet', 'Piece', 'Reel', 'Roll', 'Skid', 'Truckload', 'Tube', 'Unit', 'Bags', 'Pails', 'Totes', 'Wheels', 'Gaylords', 'U-Box', 'HalfPallets', 'Cart', 'A-Frame', 'Hopper', 'Vehicle', 'Tubs', 'Gallons', 'Bales', 'Cans', 'Jerricans', 'Racks', 'Loose', 'Stacks', 'Bins'],&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Weight" type="udt:MeasureType" minOccurs="0"/&gt;     &lt;xs:element name="ChargeableWeightMeasure" type="udt:MeasureType" minOccurs="0"/&gt;     &lt;xs:element name="Quantity" type="udt:QuantityType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Number of items in the package&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="FreightClass" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="Dimensions" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation/&gt;       &lt;/xs:annotation&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element maxOccurs="unbounded" name="Dimension" type="opn:DimensionType"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation&gt;Internal Dimension External Dimension [e.g. PGA External dimensions 244 x 590 Internal dimensions 228 x 590&lt;/xs:documentation&gt;             &lt;/xs:annotation&gt;           &lt;/xs:element&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Density" type="xs:double" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;approximate density of goods&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Stackable" type="xs:boolean" minOccurs="0"/&gt;     &lt;xs:element name="DangerousGood" type="xs:boolean" minOccurs="0"/&gt;     &lt;xs:element name="ULD" type="opn:ULDType" minOccurs="0"/&gt;     &lt;xs:element name="Turnable" type="xs:boolean" minOccurs="0"/&gt;     &lt;xs:element name="HazardousInfo" type="opn:HazardousMaterialType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Only if Dangerous Good&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element maxOccurs="1" name="HandlingInstructions" type="opn:InstructionType" minOccurs="0"/&gt;     &lt;xs:element maxOccurs="1" name="DeclaredValue" type="udt:AmountType" minOccurs="0"/&gt;     &lt;xs:element name="TransportTemperature" type="udt:IndicatorType" minOccurs="0"/&gt;     &lt;xs:element name="OverDimensionIndicator" type="xs:boolean" minOccurs="0"/&gt;     &lt;xs:element name="OverWeightIndicator" type="xs:boolean" minOccurs="0"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:DimensionType

Namespace	www.openfreight.org
Annotations	Used to measure the internal dimension and/or external dimension of a Shipping unit

Diagram	<pre> classDiagram     class DimensionType {         &lt;&lt;Used to measure the internal dimension and/or external dimension of a Shipping unit&gt;&gt;     }     class Width {         &lt;&lt;Width is measured&gt;&gt;     }     class Length {     }     class Height {     }     class Description {         &lt;&lt;Internal, External.&gt;&gt;     }      DimensionType "1..1" -- "1..1" Width : Type udt:MeasureType     DimensionType "1..1" -- "1..1" Length : Type udt:MeasureType     DimensionType "1..1" -- "1..1" Height : Type udt:MeasureType     DimensionType "1..1" -- "1..1" Description : Type udt:TextType   </pre>
Used by	Element open:PackageType/open:Dimensions/open:Dimension
Model	open:Width , open:Length , open:Height , open:Description{0,1}
Children	open:Description, open:Height, open:Length, open:Width
Source	<pre> &lt;xs:complexType name="DimensionType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Used to measure the internal dimension and/or external dimension of a Shipping unit&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Width" type="udt:MeasureType" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Width is measured&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Length" type="udt:MeasureType" minOccurs="1" /&gt;     &lt;xs:element name="Height" type="udt:MeasureType" minOccurs="1" /&gt;     &lt;xs:element name="Description" type="udt:TextType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Internal, External.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>
Schema location	file:///D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:ULDType

Namespace	www.openfreight.org
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Diagram	<pre> classDiagram     class Position {         Type udt:CodeType     }     class ULDTType {         Type udt:CodeType     }     class GrossWeight {         Type udt:MeasureType     }     class UnitQuantity {         Type udt:QuantityType     }      ULDTType &lt; -- Position     ULDTType &lt; -- GrossWeight     ULDTType &lt; -- UnitQuantity </pre>
Used by	Elements opn:AvailableSpaceType/opn:ULD, opn:PackageType/opn:ULD
Model	opn:Position{0,1} , opn:ULDTType{0,1} , opn:GrossWeight{0,1} , opn:UnitQuantity{0,1}
Children	opn:GrossWeight, opn:Position, opn:ULDTType, opn:UnitQuantity
Source	<pre> &lt;xss:complexType name="ULDTType"&gt;     &lt;xss:sequence&gt;         &lt;xss:element name="Position" type="udt:CodeType" minOccurs="0"&gt;             &lt;xss:annotation&gt;                 &lt;xss:documentation&gt;                     &lt;ULDs&gt;                         &lt;PRE&gt;AKE&lt;/PRE&gt;                         &lt;UDP&gt;0&lt;/UDP&gt;                         &lt;LDP&gt;0&lt;/LDP&gt;                         &lt;LDC&gt;1&lt;/LDC&gt;                     &lt;/ULDs&gt;                 &lt;/xss:documentation&gt;             &lt;/xss:annotation&gt;         &lt;/xss:element&gt;         &lt;xss:element name="ULDTType" type="udt:CodeType" minOccurs="0"&gt;             &lt;xss:annotation&gt;                 &lt;xss:documentation&gt;e.g. AKE&lt;/xss:documentation&gt;             &lt;/xss:annotation&gt;         &lt;/xss:element&gt;         &lt;xss:element name="GrossWeight" type="udt:MeasureType" minOccurs="0"/&gt;         &lt;xss:element name="UnitQuantity" type="udt:QuantityType" minOccurs="0"/&gt;     &lt;/xss:sequence&gt; &lt;/xss:complexType&gt; </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:CommodityType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class CommodityType {         &lt;&lt;CommodityCode&gt;&gt;         &lt;&lt;Description&gt;&gt;     }     class CommodityCode {         Type udt:CodeType     }     class Description {         Type udt:CodeType     }      CommodityType &lt; -- CommodityCode     CommodityType &lt; -- Description </pre>
Used by	Element opn:UnitLoadType/opn:Commodity
Model	opn:CommodityCode , opn:Description

Children	opn:CommodityCode, opn:Description
Source	<pre>&lt;xs:complexType name="CommodityType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="CommodityCode" type="udt:CodeType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The harmonized international commodity code&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Description" type="udt:CodeType"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

### Complex Type opn:PricePreferenceType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class RequestCurrency {         Type qdt:CurrencyCodeType     }     class RateCurrency {         Type qdt:CurrencyCodeType     }     class RateType {         Type udt:CodeType     }     class PromotionCode {         Type udt:TextType     }     class RateUnitOfMeasure {         Type udt:CodeType     }     class ResponseTime {         Type udt:MeasureType     }     class DiscountAmount {         Type udt:AmountType     }     class ProposedRate {         Type udt:AmountType     }     class DiscountPercent {         Type udt:MeasureType     }     class AllInIndicator {         Type xs:boolean     }      class PricePreferenceType {         RequestCurrency         RateCurrency         RateType         PromotionCode         RateUnitOfMeasure         ResponseTime         DiscountAmount         ProposedRate         DiscountPercent         AllInIndicator     } </pre>
Used by	Element opn:ShipmentType/opn:PricePreference
Model	opn:RequestCurrency{0,1} , opn:RateCurrency{0,1} , opn:RateType{0,1} , opn:PromotionCode{0,1} , opn:RateUnitOfMeasure{0,1} , opn:ResponseTime{0,1} , opn:DiscountAmount{0,1} , opn:ProposedRate{0,1} , opn:DiscountPercent{0,1} , opn:AllInIndicator{0,1}
Children	opn:AllInIndicator, opn:DiscountAmount, opn:DiscountPercent, opn:PromotionCode, opn:ProposedRate, opn:RateCurrency, opn:RateType, opn:RateUnitOfMeasure, opn:RequestCurrency, opn:ResponseTime

Source	<pre> &lt;xs:complexType name="PricePreferenceType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="RequestCurrency" type="qdt:CurrencyCodeType" minOccurs="0" /&gt;     &lt;xs:element name="RateCurrency" type="qdt:CurrencyCodeType" minOccurs="0" &gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;currency of the response&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="RateType" type="udt:CodeType" maxOccurs="1" minOccurs="0" &gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Promotional,Market,Contractual,Console&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="PromotionCode" type="udt:TextType" minOccurs="0" /&gt;     &lt;xs:element name="RateUnitOfMeasure" type="udt:CodeType" minOccurs="0" /&gt;     &lt;xs:element name="ResponseTime" type="udt:MeasureType" minOccurs="0" /&gt;     &lt;xs:element name="DiscountAmount" type="udt:AmountType" minOccurs="0" /&gt;     &lt;xs:element name="ProposedRate" type="udt:AmountType" minOccurs="0" /&gt;     &lt;xs:element name="DiscountPercent" type="udt:MeasureType" minOccurs="0" /&gt;     &lt;xs:element name="AllInIndicator" type="xs:boolean" minOccurs="0" /&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>
Schema location	file:D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:ConnectionType

Namespace	www.openfreight.org
Diagram	
Used by	Element opn:ShipmentType/opn:Connection
Model	opn:NumberOfConnections{0,1} , opn:TransitTime{0,1} , opn:ConnectionSegments
Children	opn:ConnectionSegments, opn:NumberOfConnections, opn:TransitTime
Source	<pre> &lt;xs:complexType name="ConnectionType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="NumberOfConnections" type="xs:integer" minOccurs="0" &gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Indicates number of connections, (e.g 1: direct transportation)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="TransitTime" type="opn:TransitTimeType" maxOccurs="1" minOccurs="0" &gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Number of (months, weeks, days, hours, etc.) it takes to transport a shipment&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ConnectionSegments" minOccurs="1" &gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element maxOccurs="unbounded" minOccurs="1" name="Segment" type="opn:SegmentType" &gt;             &lt;/xs:element&gt;           &lt;/xs:sequence&gt;         &lt;/xs:complexType&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; </pre>
Schema location	file:D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:TransitTimeType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class TransitTimeType     class Time     class Type     class EstimatedTransitTimes      TransitTimeType "−"--&gt; Time     TransitTimeType "+"--&gt; Type     TransitTimeType "+"--&gt; EstimatedTransitTimes   </pre>
Used by	Elements opn:ConnectionType/opn:TransitTime, opn:SegmentType/opn:TransitTime
Model	opn:Time , opn:EstimatedTransitTimes
Children	opn:EstimatedTransitTimes, opn:Time
Source	<pre> &lt;xs:complexType name="TransitTimeType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Time" type="udt:MeasureType" /&gt;     &lt;xs:element name="EstimatedTransitTimes"&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element name="EstimatedTransitTime" type="opn:EstimatedTransitTimeType" maxOccurs="unbounded" minOccurs="0" /&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:EstimatedTransitTimeType

Namespace	www.openfreight.org
Annotations	
Diagram	<pre> classDiagram     class EstimatedTransitTimeType     class From     class To     class Type      EstimatedTransitTimeType "−"--&gt; From     EstimatedTransitTimeType "+"--&gt; To     From "+"--&gt; Type     To "+"--&gt; Type   </pre>
Used by	Element opn:TransitTimeType/opn:EstimatedTransitTimes/opn:EstimatedTransitTime
Model	opn:From , opn:To
Children	opn:From, opn:To
Source	<pre> &lt;xs:complexType name="EstimatedTransitTimeType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation/&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="From" type="udt:MeasureType" /&gt;     &lt;xs:element name="To" type="udt:MeasureType" /&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:SegmentType

Namespace	www.openfreight.org
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Diagram	<pre> classDiagram     class SegmentID {         Type udt:TextType     }     class SegmentType {         Type udt:CodeType     }     class Status {         Type opn&gt;StatusType     }     class VehicleType {         Type udt:CodeType     }     class VehicleNumber {         Type udt:TextType     }     class ItineraryNumber {         Type udt:TextType     }     class TransportMode {         Type opn:TransportationModeType     }     class SegmentType {         *--&gt;  Origin         *--&gt;  Destination         *--&gt;  ScheduledTimeOfDeparture         *--&gt;  ScheduledTimeOfArrival         *--&gt;  TimeOfAvailability         *--&gt;  LatestAcceptanceDate         *--&gt;  MarketingCarrierCode         *--&gt;  OperatingCarrierCode         *--&gt;  TransitTime     }     class Air, LCL, FCL, FTL, Rail, Express, Barge, RoRo, AirSea, BreakBulk {         *--&gt;  TransportMode     } </pre>				
Used by	<table border="1"> <tr> <td style="width: 15%;">Element</td><td>opn:ConnectionType/opn:ConnectionSegments/opn:Segment</td></tr> <tr> <td>Complex Type</td><td>opn:SegmentCapacityType</td></tr> </table>	Element	opn:ConnectionType/opn:ConnectionSegments/opn:Segment	Complex Type	opn:SegmentCapacityType
Element	opn:ConnectionType/opn:ConnectionSegments/opn:Segment				
Complex Type	opn:SegmentCapacityType				

Model	opn:SegmentID{0,1} , opn:SegmentType{0,1} , opn>Status{0,1} , opn:VehicleType{0,1} , opn:VehicleNumber{0,1} , opn:ItineraryNumber{0,1} , opn:TransportMode{0,1} , opn:Origin , opn:Destination , opn:ScheduledTimeOfDeparture{0,1} , opn:ScheduledTimeOfArrival{0,1} , opn:TimeOfAvailability{0,1} , opn:LatestAcceptanceDate{0,1} , opn:MarketingCarrierCode{0,1} , opn:OperatingCarrierCode{0,1} , opn:TransitTime{0,1}
Children	opn:Destination, opn:ItineraryNumber, opn:LatestAcceptanceDate, opn:MarketingCarrierCode, opn:OperatingCarrierCode, opn:Origin, opn:ScheduledTimeOfArrival, opn:ScheduledTimeOfDeparture, opn:SegmentID, opn:SegmentType, opn>Status, opn:TimeOfAvailability, opn:TransitTime, opn:TransportMode, opn:VehicleNumber, opn:VehicleType
Source	<pre> &lt;xs:complexType name="SegmentType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="SegmentID" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="SegmentType" type="udt:CodeType" minOccurs="0"/&gt;     &lt;xs:element name="Status" type="opn:StatusType" minOccurs="0"/&gt;     &lt;xs:element name="VehicleType" type="udt:CodeType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;aircraft, truck, ship, boat, Vessel&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="VehicleNumber" type="udt:TextType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;[e.g. aircraft type:&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ItineraryNumber" type="udt:TextType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;[e.g flight ID ;&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="TransportMode" type="opn:TransportationModeType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Air, LCL, FTL, FCL, FTL, Rail, Express, Barge, RoRo, AirSea, BreakBulk&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Origin" type="opn:LocationType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation/&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Destination" type="opn:LocationType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation/&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ScheduledTimeOfDeparture" type="udt:DateTimeType" minOccurs="0"/&gt;     &lt;xs:element name="ScheduledTimeOfArrival" type="udt:DateTimeType" minOccurs="0"/&gt;     &lt;xs:element name="TimeOfAvailability" type="udt:DateTimeType" minOccurs="0"/&gt;     &lt;xs:element name="LatestAcceptanceDate" type="udt:DateTimeType" minOccurs="0"/&gt;     &lt;xs:element name="MarketingCarrierCode" type="udt:CodeType" minOccurs="0"/&gt;     &lt;xs:element name="OperatingCarrierCode" type="udt:CodeType" minOccurs="0"/&gt;     &lt;xs:element name="TransitTime" type="opn:TransitTimeType" maxOccurs="1" minOccurs="0"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:///D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:StatusType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     StatusType &lt; -- Code     StatusType &lt; -- Reason     class StatusType {         &lt;&lt;Status&gt;&gt;     }     class Code {         &lt;&lt;Code&gt;&gt;         &lt;&lt;Type udt:CodeType&gt;&gt;     }     class Reason {         &lt;&lt;Reason&gt;&gt;         &lt;&lt;Type udt:TextType&gt;&gt;     }     StatusType "1" -- "0..1" Code :      StatusType "1" -- "0..1" Reason :    </pre>
Used by	Elements opn:SegmentType/opn:Status, opn:StatusMessageType/opn:Status
Model	opn:Code , opn:Reason{0,1}
Children	opn:Code, opn:Reason
Source	<pre> &lt;xs:complexType name="StatusType"&gt;   &lt;xs:sequence&gt;</pre>

	<pre> &lt;xs:element name="Code" type="udt:CodeType" /&gt; &lt;xs:element name="Reason" type="udt:TextType" minOccurs="0" /&gt; &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:TermsType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class TermsType {         &lt;&lt;Composite Element&gt;&gt;         &lt;&lt;Associations&gt;&gt;         &lt;&lt;Annotations&gt;&gt;     }     class PaymentTerm {         &lt;&lt;UDT Type&gt;&gt;         &lt;&lt;Annotations&gt;&gt;     }     class MethodOfPayment {         &lt;&lt;UDT Type&gt;&gt;         &lt;&lt;Annotations&gt;&gt;     }     class DeliveryTerm {         &lt;&lt;UDT Type&gt;&gt;         &lt;&lt;Annotations&gt;&gt;     }      TermsType "0..1" *-- "0..1" PaymentTerm     TermsType "0..1" *-- "0..1" MethodOfPayment     TermsType "0..1" *-- "0..1" DeliveryTerm      PaymentTerm "0..1" o-- "0..1" "Payment Terms:: prepaid,collect, third party"     MethodOfPayment "0..1" o-- "0..1" "Method of payment:: cash, checks, debit cards"     DeliveryTerm "0..1" o-- "0..1" "INCOTERM::EXW (Ex Works),FCA (Free Carrier),FOB (Free on Board),..." </pre>
Used by	Elements opn:ShipmentType/opn:Terms, opn:StatusMessageType/opn:Terms
Model	opn:PaymentTerm{0,1}, opn:MethodOfPayment{0,1}, opn:DeliveryTerm{0,1}
Children	opn:DeliveryTerm, opn:MethodOfPayment, opn:PaymentTerm
Source	<pre> &lt;xs:complexType name="TermsType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="PaymentTerm" type="udt:CodeType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Payment Terms:: prepaid,collect, third party&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="MethodOfPayment" type="udt:TextType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Method of payment:: cash, checks, debit cards&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="DeliveryTerm" type="udt:CodeType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;INCOTERM::EXW (Ex Works),FCA (Free Carrier),FOB (Free on Board),...&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:CommodityClassificationType

Namespace	www.openfreight.org
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Diagram	<pre> classDiagram     class CommodityClassificationType {         +CommodityCategoryCode         +ClassificationCode         +Name     }     CommodityCategoryCode &lt; -- "0..1" CommodityClassificationType     ClassificationCode &lt; -- "0..1" CommodityClassificationType     Name &lt; -- "0..1" CommodityClassificationType     CommodityCategoryCode &lt;--&gt; "The harmonized international commodity code"     ClassificationCode &lt;--&gt; "The harmonized international commodity code"     Name &lt;--&gt; "Commodity Name"   </pre>
Used by	Element opn:ShipmentType/opn:CommodityClassification/opn:CommodityClass
Model	opn:CommodityCategoryCode{0,1} , opn:ClassificationCode , opn:Name{0,1}
Children	opn:ClassificationCode, opn:CommodityCategoryCode, opn:Name
Source	<pre> &lt;xs:complexType name="CommodityClassificationType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="CommodityCategoryCode" type="udt:CodeType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;The harmonized international commodity code&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ClassificationCode" type="udt:CodeType" /&gt;     &lt;xs:element name="Name" type="udt:TextType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Commodity Name&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

### Complex Type opn:AccessorialType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class AccessorialType {         +Scope         +Name         +Value     }     Scope &lt; -- "0..1" AccessorialType     Name &lt; -- "0..1" AccessorialType     Value &lt; -- "0..1" AccessorialType     Scope &lt;--&gt; "Pickup,Delivery,General"     Name &lt;--&gt; "General"   </pre>
Used by	Element opn:ShipmentType/opn:Accessorials/opn:Accessorial
Model	opn:Scope , opn:Name , opn:Value
Children	opn:Name, opn:Scope, opn:Value
Source	<pre> &lt;xs:complexType name="AccessorialType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Scope" type="udt:CodeType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Pickup,Delivery,General&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Name" type="udt:TextType" /&gt;     &lt;xs:element name="Value" type="udt:TextType" /&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;   </pre>

Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd
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### Complex Type opn:ConditionType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class ConditionType     class Condition {         &lt;&lt;Condition&lt;&lt;         type udt:TextType     }     class ConditionURI {         &lt;&lt;ConditionURI&lt;&lt;         type xs:anyURI     }      ConditionType "0..1" -- "0..1" Condition :      Condition "0..1" -- "0..1" ConditionURI :      </pre>
Used by	Element opn:ShipmentType/opn:Condition
Model	opn:Condition , opn:ConditionURI{0,1}
Children	opn:Condition, opn:ConditionURI
Source	<pre> &lt;xss:complexType name="ConditionType"&gt;   &lt;xss:sequence&gt;     &lt;xss:element name="Condition" type="udt:TextType"&gt;       &lt;xss:annotation&gt;         &lt;xss:documentation&gt;Additional information about conditions&lt;/xss:documentation&gt;       &lt;/xss:annotation&gt;     &lt;/xss:element&gt;     &lt;xss:element name="ConditionURI" type="xs:anyURI" minOccurs="0"&gt;       &lt;xss:annotation&gt;         &lt;xss:documentation&gt;URI of conditions&lt;/xss:documentation&gt;       &lt;/xss:annotation&gt;     &lt;/xss:element&gt;   &lt;/xss:sequence&gt; &lt;/xss:complexType&gt; </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

### Complex Type opn:Additional.PropertyType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class AdditionalPropertyType     class Key {         &lt;&lt;Key&lt;&lt;         type udt:TextType     }     class Value {         &lt;&lt;Value&lt;&lt;         type udt:TextType     }      AdditionalPropertyType "0..1" -- "0..1" Key :      AdditionalPropertyType "0..1" -- "0..1" Value :      </pre>
Used by	Elements opn:ShipmentType/opn:AdditionalInformation/opn:Information, opn:StatusMessageType/opn:AdditionalInformation/opn:Information
Model	opn:Key , opn:Value
Children	opn:Key, opn:Value
Source	<pre> &lt;xss:complexType name="Additional.PropertyType"&gt;   &lt;xss:sequence&gt;     &lt;xss:element name="Key" type="udt:TextType"/&gt;     &lt;xss:element name="Value" type="udt:TextType"/&gt;   &lt;/xss:sequence&gt; &lt;/xss:complexType&gt; </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

### Complex Type opn:SegmentCapacityType

Namespace	www.openfreight.org
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Diagram

```

classDiagram
    class opn::SegmentType {
        SegmentID
        Type udt::TextType
        SegmentType
        Type udt::CodeType
        Status
        Type opn::StatusType
        VehicleType
        Type udt::CodeType
        aircraft, truck, ship, boat, Vessel
        VehicleNumber
        Type udt::TextType
        e.g. aircraft type:
        ItineraryNumber
        Type udt::TextType
        e.g. flight ID ;
        TransportMode
        Type opn::TransportationModeType
        Air,
        LCL, FTL, FCL, Rail, Express, Barge, RoRo, AirSea, BreakBulk
        Origin
        Type opn::LocationType
        Destination
        Type opn::LocationType
        ScheduledTimeOfDeparture
        Type udt::DateTimeType
        ScheduledTimeOfArrival
        Type udt::DateTimeType
        TimeOfAvailability
        Type udt::DateTimeType
        LatestAcceptanceDate
        Type udt::DateTimeType
        MarketingCarrierCode
        Type udt::CodeType
        OperatingCarrierCode
        Type udt::CodeType
        TransitTime
        Type opn::TransitTimeType
        Charges
        Type opn::ChargeType
        AvailableSpace
        Type opn::AvailableSpaceType
    }
    class SegmentCapacityType {
        Base Type opn::SegmentType
    }

```

The diagram illustrates the `opn:SegmentType` extension base and its subclasses. The extension base contains fields for `SegmentID` (Type `udt::TextType`), `SegmentType` (Type `udt::CodeType`), `Status` (Type `opn::StatusType`), `VehicleType` (Type `udt::CodeType`), which is further refined to include `aircraft, truck, ship, boat, Vessel`; `VehicleNumber` (Type `udt::TextType`), which includes the example `e.g. aircraft type:`; `ItineraryNumber` (Type `udt::TextType`), which includes the example `[e.g. flight ID ;]`; `TransportMode` (Type `opn::TransportationModeType`), which lists modes such as `Air, LCL, FTL, FCL, Rail, Express, Barge, RoRo, AirSea, BreakBulk`; `Origin` (Type `opn::LocationType`); `Destination` (Type `opn::LocationType`); `ScheduledTimeOfDeparture` (Type `udt::DateTimeType`); `ScheduledTimeOfArrival` (Type `udt::DateTimeType`); `TimeOfAvailability` (Type `udt::DateTimeType`); `LatestAcceptanceDate` (Type `udt::DateTimeType`); `MarketingCarrierCode` (Type `udt::CodeType`); `OperatingCarrierCode` (Type `udt::CodeType`); and `TransitTime` (Type `opn::TransitTimeType`). A separate box labeled `SegmentCapacityType` is shown as a base type for `opn:SegmentType`. Below the main class diagram, a table provides information about the type and its hierarchy.

Type	extension of <code>opn:SegmentType</code>
Type hierarchy	<ul style="list-style-type: none"> <li>• <code>opn:SegmentType</code></li> </ul>

	<ul style="list-style-type: none"> <li>• opn:SegmentCapacityType</li> </ul>
Model	opn:SegmentID{0,1} , opn:SegmentType{0,1} , opn:Status{0,1} , opn:VehicleType{0,1} , opn:VehicleNumber{0,1} , opn:ItineraryNumber{0,1} , opn:TransportMode{0,1} , opn:Origin , opn:Destination , opn:ScheduledTimeOfDeparture{0,1} , opn:ScheduledTimeOfArrival{0,1} , opn:TimeOfAvailability{0,1} , opn:LatestAcceptanceDate{0,1} , opn:MarketingCarrierCode{0,1} , opn:OperatingCarrierCode{0,1} , opn:TransitTime{0,1} , opn:Charges , opn:AvailableSpace{0,1}
Children	opn:AvailableSpace, opn:Charges, opn:Destination, opn:ItineraryNumber, opn:LatestAcceptanceDate, opn:MarketingCarrierCode, opn:OperatingCarrierCode, opn:Origin, opn:ScheduledTimeOfArrival, opn:ScheduledTimeOfDeparture, opn:SegmentID, opn:SegmentType, opn:Status, opn:TimeOfAvailability, opn:TransitTime, opn:TransportMode, opn:VehicleNumber, opn:VehicleType
Source	<pre>&lt;xs:complexType name="SegmentCapacityType"&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="opn:SegmentType"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="Charges" type="opn:ChargeType"/&gt;         &lt;xs:element name="AvailableSpace" type="opn:AvailableSpaceType" minOccurs="0"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

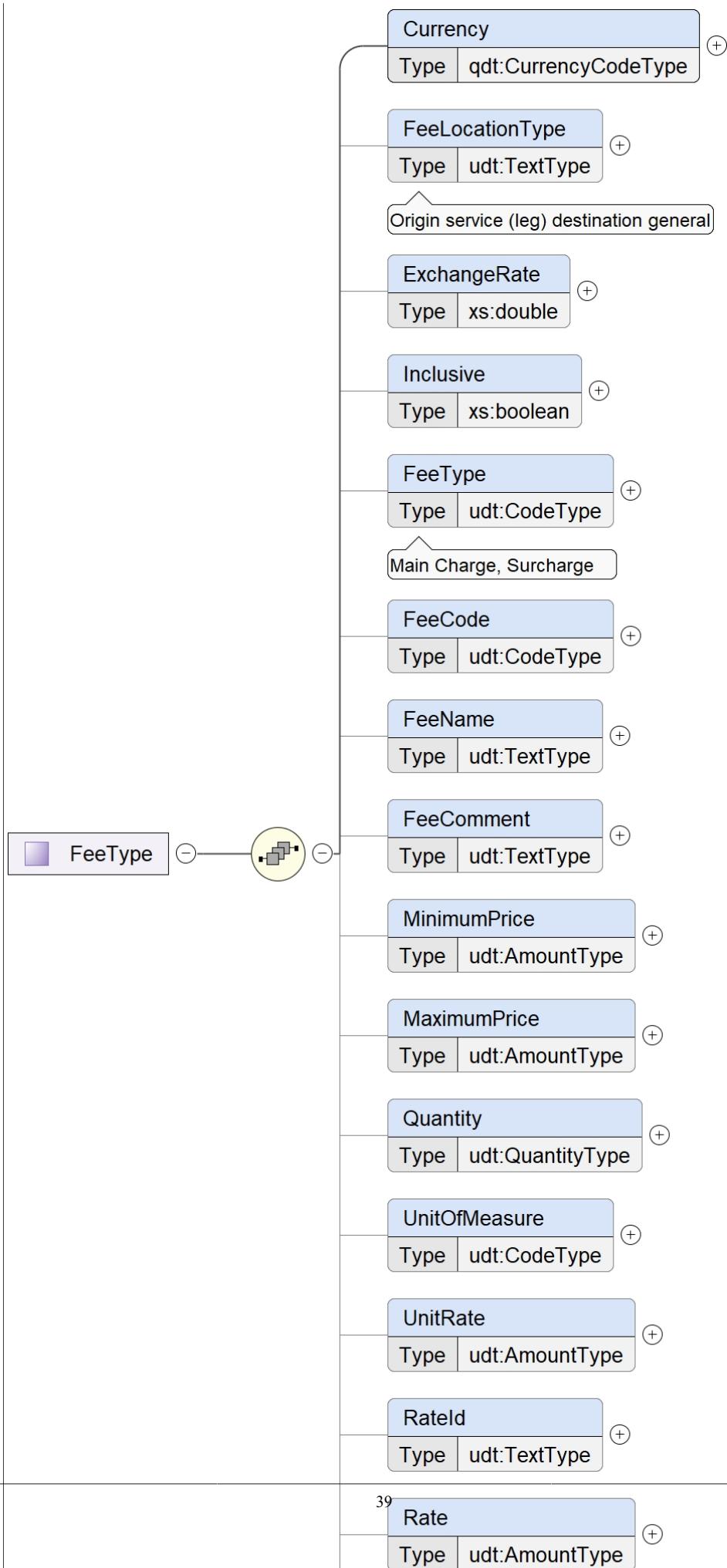
### Complex Type opn:ChargeType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class ChargeType     class FeeType {         &lt;&lt;opn:FeeType&gt;&gt;     }     ChargeType "1..∞" -- "1" FeeType   </pre>
Used by	Element opn:SegmentCapacityType/opn:Charges
Model	opn:Fee+
Children	opn:Fee
Source	<pre>&lt;xs:complexType name="ChargeType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Fee" maxOccurs="unbounded" minOccurs="1" type="opn:FeeType"&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

### Complex Type opn:FeeType

Namespace	www.openfreight.org
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Diagram



Used by	Element opn:ChargeType/opn:Fee
Model	opn:Currency , opn:FeeLocationType{0,1} , opn:ExchangeRate{0,1} , opn:Inclusive{0,1} , opn:FeeType{0,1} , opn:FeeCode{0,1} , opn:FeeName{0,1} , opn:FeeComment{0,1} , opn:MinimumPrice{0,1} , opn:MaximumPrice{0,1} , opn:Quantity{0,1} , opn:UnitOfMeasure{0,1} , opn:UnitRate{0,1} , opn:RateId{0,1} , opn:Rate{0,1} , opn:FeeBreaks{0,1}
Children	opn:Currency, opn:ExchangeRate, opn:FeeBreaks, opn:FeeCode, opn:FeeComment, opn:FeeLocationType, opn:FeeName, opn:FeeType, opn:Inclusive, opn:MaximumPrice, opn:MinimumPrice, opn:Quantity, opn:Rate, opn:RateId, opn:UnitOfMeasure, opn:UnitRate
Source	<pre>&lt;xs:complexType name="FeeType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="Currency" type="qdt:CurrencyCodeType"/&gt;     &lt;xs:element name="FeeLocationType" type="udt:TextType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Origin service (leg) destination general&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ExchangeRate" type="xs:double" minOccurs="0"/&gt;     &lt;xs:element name="Inclusive" type="xs:boolean" minOccurs="0"/&gt;     &lt;xs:element name="FeeType" type="udt:CodeType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Main Charge, Surcharge&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="FeeCode" type="udt:CodeType" minOccurs="0"/&gt;     &lt;xs:element name="FeeName" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="FeeComment" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="MinimumPrice" type="udt:AmountType" minOccurs="0"/&gt;     &lt;xs:element name="MaximumPrice" type="udt:AmountType" minOccurs="0"/&gt;     &lt;xs:element name="Quantity" type="udt:QuantityType" minOccurs="0"/&gt;     &lt;xs:element name="UnitOfMeasure" type="udt:CodeType" minOccurs="0"/&gt;     &lt;xs:element name="UnitRate" type="udt:AmountType" minOccurs="0"/&gt;     &lt;xs:element name="RateId" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="Rate" type="udt:AmountType" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Price&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="FeeBreaks" maxOccurs="1" minOccurs="0"&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element maxOccurs="unbounded" minOccurs="0" name="FeeBreak" type="opn:FeeBreakType"/&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:FeeBreakType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class FeeBreakType {         compartment Type         compartment BreakPoint     }     FeeBreakType "0..1" -- "1..*" BreakPoint     BreakPoint "1..*" "0..1" Type     </pre>
Used by	Element opn:FeeType/opn:FeeBreaks/opn:FeeBreak
Model	opn:BreakPoint , opn:BreakAmount
Children	opn:BreakAmount, opn:BreakPoint
Source	<pre>&lt;xs:complexType name="FeeBreakType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="BreakPoint" type="udt:TextType"/&gt;     &lt;xs:element name="BreakAmount" type="udt:AmountType"/&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:AvailableSpaceType

Namespace	www.openfreight.org
Diagram	<pre> classDiagram     class AvailableSpaceType {         &lt;&lt;SpaceAvailable&gt;&gt;         &lt;&lt;RemainingBookableWeight&gt;&gt;         &lt;&lt;RemainingBookableVolume&gt;&gt;         &lt;&lt;ULD&gt;&gt;     }     class SpaceAvailable {         &lt;&lt;xs:boolean&gt;&gt;     }     class RemainingBookableWeight {         &lt;&lt;udt:MeasureType&gt;&gt;     }     class RemainingBookableVolume {         &lt;&lt;udt:MeasureType&gt;&gt;     }     class ULD {         &lt;&lt;opn:ULDType&gt;&gt;     }      AvailableSpaceType &lt; -- SpaceAvailable     AvailableSpaceType &lt; -- RemainingBookableWeight     AvailableSpaceType &lt; -- RemainingBookableVolume     AvailableSpaceType *-- ULD   </pre>
Used by	Element opn:SegmentCapacityType/opn:AvailableSpace
Model	opn:SpaceAvailable , opn:RemainingBookableWeight{0,1} , opn:RemainingBookableVolume{0,1} , opn:ULD{0,1}
Children	opn:RemainingBookableVolume, opn:RemainingBookableWeight, opn:SpaceAvailable, opn:ULD
Source	<pre> &lt;xss:complexType name="AvailableSpaceType"&gt;   &lt;xss:sequence&gt;     &lt;xss:element name="SpaceAvailable" type="xs:boolean" /&gt;     &lt;xss:element name="RemainingBookableWeight" type="udt:MeasureType" minOccurs="0" /&gt;     &lt;xss:element name="RemainingBookableVolume" type="udt:MeasureType" minOccurs="0" /&gt;     &lt;xss:element name="ULD" type="opn:ULDType" minOccurs="0" /&gt;   &lt;/xss:sequence&gt; &lt;/xss:complexType&gt;   </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

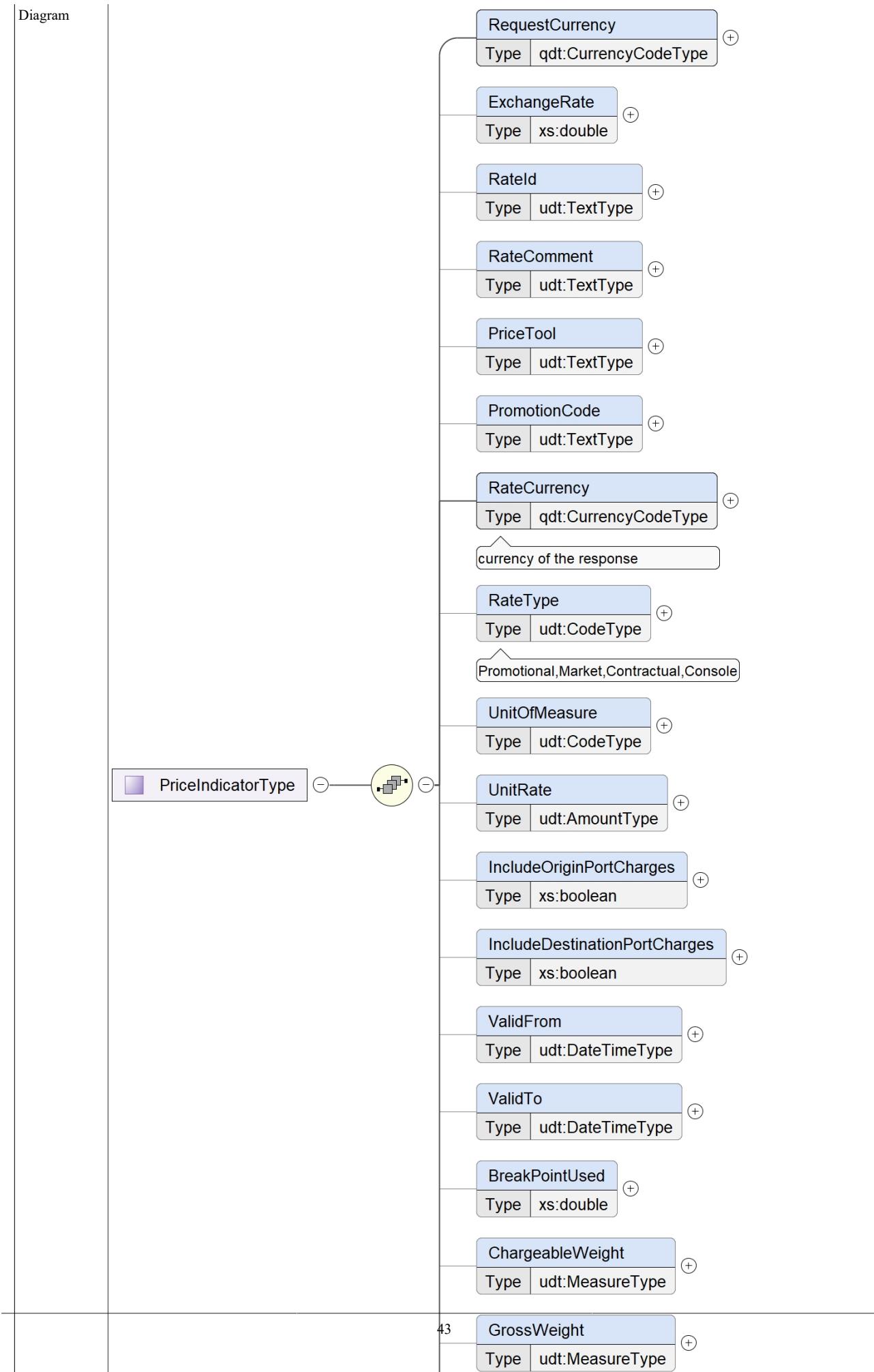
## Complex Type opn:StatusMessageType

Namespace	www.openfreight.org
Annotations	
Diagram	<pre> classDiagram     class StatusMessageType {         &lt;&lt;ReferenceID&gt;&gt;         &lt;&lt;Booking Rate id&gt;&gt;         &lt;&lt;Status&gt;&gt;         &lt;&lt;PriceIndicator&gt;&gt;         &lt;&lt;Terms&gt;&gt;         &lt;&lt;Remarks&gt;&gt;         &lt;&lt;AdditionalInformation&gt;&gt;     }     class ReferenceID {         &lt;&lt;udt:IDType&gt;&gt;     }      StatusMessageType &lt; -- ReferenceID     StatusMessageType &lt; -- BookingRateId     StatusMessageType &lt; -- Status     StatusMessageType &lt; -- PriceIndicator     StatusMessageType &lt; -- Terms     StatusMessageType &lt; -- Remarks     StatusMessageType *-- AdditionalInformation   </pre>

Model	opn:ReferenceID , opn:Status , opn:PriceIndicator{0,1} , opn:Terms{0,1} , opn:Remarks{0,1} , opn:AdditionalInformation{0,1}
Children	opn:AdditionalInformation, opn:PriceIndicator, opn:ReferenceID, opn:Remarks, opn:Status, opn:Terms
Source	<pre> &lt;xs:complexType name="StatusMessageType"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation/&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="ReferenceID" type="udt:IDType"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Booking Rate id&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="Status" type="opn:StatusType"/&gt;     &lt;xs:element name="PriceIndicator" type="opn:PriceIndicatorType" minOccurs="0"/&gt;     &lt;xs:element name="Terms" type="opn:TermsType" minOccurs="0"/&gt;     &lt;xs:element name="Remarks" type="udt:TextType" minOccurs="0"/&gt;     &lt;xs:element name="AdditionalInformation" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Additional information specific to message requester such as Origin Search Type, DestinationSearchType&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element maxOccurs="unbounded" minOccurs="0" name="Information" type="opn:AdditionalPropertyType"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation/&gt;             &lt;/xs:annotation&gt;           &lt;/xs:element&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>
Schema location	file:///D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:PriceIndicatorType

Namespace	www.openfreight.org
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Used by	Element opn:StatusMessageType/opn:PriceIndicator
Model	opn:RequestCurrency , opn:ExchangeRate{0,1} , opn:RateId{0,1} , opn:RateComment{0,1} , opn:PriceTool{0,1} , opn:PromotionCode{0,1} , opn:RateCurrency , opn:RateType{0,1} , opn:UnitOfMeasure{0,1} , opn:UnitRate{0,1} , opn:IncludeOriginPortCharges{0,1} , opn:IncludeDestinationPortCharges{0,1} , opn:ValidFrom{0,1} , opn:ValidTo{0,1} , opn:BreakPointUsed{0,1} , opn:ChargeableWeight{0,1} , opn:GrossWeight{0,1} , opn:TotalCharge , opn:TotalFreightCharge{0,1}
Children	opn:BreakPointUsed, opn:ChargeableWeight, opn:ExchangeRate, opn:GrossWeight, opn:IncludeDestinationPortCharges, opn:IncludeOriginPortCharges, opn:PriceTool, opn:PromotionCode, opn:RateComment, opn:RateCurrency, opn:RateId, opn:RateType, opn:RequestCurrency, opn:TotalCharge, opn:TotalFreightCharge, opn:UnitOfMeasure, opn:UnitRate, opn:ValidFrom, opn:ValidTo
Source	<pre> &lt;xs:complexType name="PriceIndicatorType"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="RequestCurrency" type="qdt:CurrencyCodeType" /&gt;     &lt;xs:element name="ExchangeRate" type="xs:double" minOccurs="0" /&gt;     &lt;xs:element name="RateId" type="udt:TextType" minOccurs="0" /&gt;     &lt;xs:element name="RateComment" type="udt:TextType" minOccurs="0" /&gt;     &lt;xs:element name="PriceTool" type="udt:TextType" minOccurs="0" /&gt;     &lt;xs:element name="PromotionCode" type="udt:TextType" minOccurs="0" /&gt;     &lt;xs:element name="RateCurrency" type="qdt:CurrencyCodeType" minOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;currency of the response&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="RateType" type="udt:CodeType" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Promotional,Market,Contractual,Console&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="UnitOfMeasure" type="udt:CodeType" minOccurs="0" /&gt;     &lt;xs:element name="UnitRate" type="udt:AmountType" minOccurs="0" /&gt;     &lt;xs:element name="IncludeOriginPortCharges" type="xs:boolean" minOccurs="0" /&gt;     &lt;xs:element name="IncludeDestinationPortCharges" type="xs:boolean" minOccurs="0" /&gt;     &lt;xs:element name="ValidFrom" type="udt:DateTimeType" minOccurs="0" /&gt;     &lt;xs:element name="ValidTo" type="udt:DateTimeType" minOccurs="0" /&gt;     &lt;xs:element name="BreakPointUsed" type="xs:double" minOccurs="0" /&gt;     &lt;xs:element name="ChargeableWeight" type="udt:MeasureType" minOccurs="0" /&gt;     &lt;xs:element name="GrossWeight" type="udt:MeasureType" minOccurs="0" /&gt;     &lt;xs:element name="TotalCharge" type="udt:AmountType" minOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Main charge plus surcharges&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="TotalFreightCharge" type="udt:AmountType" minOccurs="0" /&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Transportation Charge&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>
Schema location	file:D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:ShipperType

Namespace	www.openfreight.org
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Diagram	<pre> classDiagram     class opn:PartyType {         PartyTypeCode         ID         AdditionalID         Name         AccountIDList         PostalAddress         Contact         Parties     }     class opn:ShipperType {         opn:PartyType     }     class Knownshipper {         xs:boolean     }      opn:PartyType "0..1" *-- "0..1" opn:ShipperType :      opn:PartyType "0..1" *-- "0..1" Knownshipper :    </pre> <p>An organization/Individual fulfilling a role in a business process.</p>
Type	extension of opn:PartyType
Type hierarchy	<ul style="list-style-type: none"> <li>• opn:PartyType</li> <li>• opn:ShipperType</li> </ul>
Model	opn:PartyTypeCode , opn:ID , opn:AdditionalID{0,1} , opn:Name{0,1} , opn:AccountIDList{0,1} , opn:PostalAddress{0,1} , opn:Contact{0,1} , opn:Parties{0,1} , opn:Knownshipper{0,1}
Children	opn:AccountIDList, opn:AdditionalID, opn:Contact, opn:ID, opn:Knownshipper, opn:Name, opn:Parties, opn:PartyTypeCode, opn:PostalAddress
Source	<pre> &lt;xs:complexType name="ShipperType"&gt;   &lt;xs:complexContent&gt;     &lt;xs:extension base="opn:PartyType"&gt;       &lt;xs:sequence&gt;         &lt;xs:element name="Knownshipper" type="xs:boolean" minOccurs="0"/&gt;       &lt;/xs:sequence&gt;     &lt;/xs:extension&gt;   &lt;/xs:complexContent&gt; &lt;/xs:complexType&gt;   </pre>
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd

## Complex Type opn:ElectronicMailType

Namespace	www.openfreight.org
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Diagram	<pre> classDiagram     class ElectronicMailType {         &lt;&lt;opn&gt;&gt;         &lt;&lt;ElectronicMailType&gt;&gt;         &lt;&lt;Base Type&gt;&gt; udt:TextType     }     class udt:TextType {         &lt;&lt;extension base="xsd:string"&gt;&gt;         &lt;&lt;Attributes&gt;&gt; @languageID         &lt;&lt;XML Examples&gt;&gt; &lt;ccts:Name&gt;Text. Language. Identifier&lt;/ccts:Name&gt;         &lt;ccts:Definition&gt;The identifier of the language used in the corresponding text string.&lt;/ccts:Definition&gt;         &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt;     }     class xsd:string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }   </pre>									
Type	extension of udt:TextType									
Type hierarchy	<ul style="list-style-type: none"> <li>• xs:string</li> <li>• udt:TextType</li> <li>• opn:ElectronicMailType</li> </ul>									
Attributes	<table border="1"> <thead> <tr> <th>QName</th><th>Type</th><th>Use</th></tr> </thead> <tbody> <tr> <td>languageID</td><td>xsd:language</td><td>optional</td></tr> <tr> <td></td><td></td><td> &lt;ccts:Name&gt;Text. Language. Identifier&lt;/ccts:Name&gt;  &lt;ccts:Definition&gt;The identifier of the language used in the corresponding text string.&lt;/ccts:Definition&gt;  &lt;ccts:PrimitiveType&gt;string&lt;/ccts:PrimitiveType&gt; </td></tr> </tbody> </table>	QName	Type	Use	languageID	xsd:language	optional			<ccts:Name>Text. Language. Identifier</ccts:Name> <ccts:Definition>The identifier of the language used in the corresponding text string.</ccts:Definition> <ccts:PrimitiveType>string</ccts:PrimitiveType>
QName	Type	Use								
languageID	xsd:language	optional								
		<ccts:Name>Text. Language. Identifier</ccts:Name> <ccts:Definition>The identifier of the language used in the corresponding text string.</ccts:Definition> <ccts:PrimitiveType>string</ccts:PrimitiveType>								
Source	<pre> &lt;xs:complexType name="ElectronicMailType"&gt;   &lt;xs:simpleContent&gt;     &lt;xs:extension base="udt:TextType" /&gt;   &lt;/xs:simpleContent&gt; &lt;/xs:complexType&gt; </pre>									
Schema location	file:///D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd									

## Simple Type(s)

### Simple Type opn:AuthenticationTypeEnum

Namespace	www.openfreight.org								
Diagram	<pre> classDiagram     class AuthenticationTypeEnum {         &lt;&lt;opn&gt;&gt;         &lt;&lt;AuthenticationTypeEnum&gt;&gt;     }     class xsd:string {         &lt;&lt;Built-in primitive type. The string datatype represents character strings in XML.&gt;&gt;     }   </pre>								
Type	restriction of xs:string								
Facets	<table border="1"> <tbody> <tr> <td>enumeration</td><td>Basic</td></tr> <tr> <td>enumeration</td><td>APIKey</td></tr> <tr> <td>enumeration</td><td>OAuth</td></tr> <tr> <td>enumeration</td><td>X509</td></tr> </tbody> </table>	enumeration	Basic	enumeration	APIKey	enumeration	OAuth	enumeration	X509
enumeration	Basic								
enumeration	APIKey								
enumeration	OAuth								
enumeration	X509								

	enumeration	Extension
	enumeration	Public
Used by	Complex Type	open:AuthenticationType
Source	<pre>&lt;xs:simpleType name="AuthenticationTypeEnum"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="Basic"/&gt;     &lt;xs:enumeration value="APIKey"/&gt;     &lt;xs:enumeration value="OAuth"/&gt;     &lt;xs:enumeration value="X509"/&gt;     &lt;xs:enumeration value="Extension"/&gt;     &lt;xs:enumeration value="Public"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt;</pre>	
Schema location	file:/D:/Freightos/OpenFreight/api/common/OpenFreightReusableTypes.xsd	