Schema **PIDXLibDS.xsd**

schema location: **\\fsprod01\users\bryan.mcpadden\PIDX5\Old Files\05.01.01\PIDXLibDS.xsd**
attributeFormDefault: **unqualified**
elementFormDefault: **qualified**
targetNamespace: **http://www.pidx.org/schema/ds/v5.01**

Elements	Complex types	Attributes	Attr. groups
ActionCode	AuthorizationData	FixVersion	PIDXVersion
Activity	AuthRequestData	MajorVersion	
ActivityDate	AuthResponseData	MinorVersion	
ActivityType	DocumentData		
AddressLine	PartnerInformation		
Agency	PartnerRoleInformation		
Agent	PostingData		
annotation	ProductData		
Authorization			
AuthorizationNo			
AuthorizedLoad			
AuthorizingSystem			
AuthParties			
AuthRequests			
AuthResponses			
AuthSequence			
AuthTransport			
BlendAlteration			
Body			
BOLRespErrorCode			
BOLRespErrorDescription			
BOLResponse			
BOLStoredSucessfully			
CityName			
Company			
Compartment			
CompartmentNumber			
Compartments			
Component			
ComponentContract			
ComponentId			
ComponentText			
ComponentType			
Consignee			
ContactEmail			

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ContactName
ContactNumber
ContainerSize
Content
County
Currency
DateTime
DenyCode
DenyDescription
DenySellerMsg
DetailAuthorization
DetailPartners
DetailPostingReference
DocumentDate
DocumentIdentifier
DocumentName
DocumentReference
DocumentReferenceType
DocumentSequence
DocumentType
DriverCardNo
DriverIdentifier
DriverLicense
DriverName
Engine
EngineIdentifier
EngineIdentifierType
EngineSecondaryIdentifier
FinalShipper
FinalShipperDocumentSequence
From
Header
IssuedDate
LastDateTime
LoadingPart
LoadingPartIdentifier
LoadingPartIdentifierType
LoadingParts
LoadingPartSecondaryIdentifier
LoadingRef
LoadingType
LoadPartIdentification
Location

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LocationIdentifier
LocationIdentifierType
LocationSecondaryIdentifier
Measurement
MeasurementInformation
MeasurementQualifier
MeasurementReference
Measurements
MeasurementType
MeterIdentifier
ModeOfTransport
MOTinfo
MotItem
MotSubType
MotType
OrderInfo
OrderNumber
PartnerIdentifier
PartnerName
PartnerRoleIndicator
Partners
Party
PartyIdentifier
PartyIdentifierType
PartySecondaryIdentifier
PIDXProductID
PIDXTerminalIdentifier
PIDXTerminalOwner
PlannedLifting
PostalCode
PostalCountry
Posting
PostingReference
PostingReferenceDetail
PostingSegment
PostingType
PriorToLoad
Product
ProductIdentifer
ProductIdentifers
ProductIdentifierType
ProductList
ProductText

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Quantity
QuantityUnit
Rate
Recipe
Recipes
Reference
ReferenceIdentifier
ReferenceItem
ReferenceQualifier
ReferenceType
RegionCode
ResponseInfo
ResponseType
RevisionNumber
Seal
SealNo
Seals
SealString
SealType
SellerDocumentSequence
SellerNum
Shift
ShiftSeq
ShipperData
ShipperInfo
Source
SourceDocument
SplitLoading
StateOrProvince
StockOwner
StockStatus
StorageLocation
StorageTankIdentifier
Tax
TaxCode
TaxDetail
TaxLevel
TaxMovemtCode
TaxMovemtDesc
TaxType
To
TpuIdentifierCard
TpuLicense

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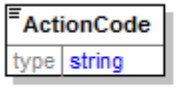
TpuType
Transport
TransportIdentifier
TransportIdentifierType
TransportSecondaryIdentifier
Unit
UnitQualifier
URL

element **ActionCode**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	complexType **PostingData**
facets	Kind / Value / Annotation enumeration Loading — documentation: Actual Loading or BOL information Contained in Document- Single BOL data so PostingRefernce will contain BOL data. In BatchLoading BOL number data is reference in detail section. enumeration BatchLoading — documentation: BatchLoaing - Used for LoadID loading - BOL Numbers appear in Detail section along with potentiall consignee and seller information. enumeration Delivery — documentation: BOL Data based on Shipment or Delivery enumeration Unload — documentation: Unloading of Product enumeration Stockresult — documentation: Need Defintion ?? enumeration Inventory — documentation: Need Definition ?? enumeration Transfers — documentation: Need Definition ?? enumeration Orders — documentation: Posting Section Contains an Order, not Actuals - Buyer Order against Contract enumeration ShipmentOrder — documentation: Shipment Order is related to Delivery Business from a Supplier enumeration Contract enumeration LoadID enumeration Nomination enumeration SalesOrder — documentation: Seller Order Number
annotation	documentation Action assocated with the Posting - See Enums for Supported Actions
source	<element name="ActionCode">

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```
 <annotation>
  <documentation>Action assocated with the Posting - See Enums for Supported
Actions</documentation>
 </annotation>
 <simpleType>
  <restriction base="string">
   <enumeration value="Loading">
    <annotation>
     <documentation>Actual Loading or BOL information Contained in Document- Single BOL
data so PostingRefernce will contain BOL data.  In BatchLoading BOL number data is reference in
detail section.</documentation>
    </annotation>
   </enumeration>
   <enumeration value="BatchLoading">
    <annotation>
     <documentation>BatchLoaing - Used for LoadID loading - BOL Numbers appear in Detail
section along with potentiall consignee and seller information.</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Delivery">
    <annotation>
     <documentation>BOL Data based on Shipment or Delivery</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Unload">
    <annotation>
     <documentation>Unloading of Product</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Stockresult">
    <annotation>
     <documentation>Need Defintion ??</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Inventory">
    <annotation>
     <documentation>Need Definition ??</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Transfers">
    <annotation>
     <documentation>Need Definition ??</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Orders">
    <annotation>
     <documentation>Posting Section Contains an Order, not Actuals - Buyer Order against
Contract</documentation>
    </annotation>
   </enumeration>
   <enumeration value="ShipmentOrder">
```


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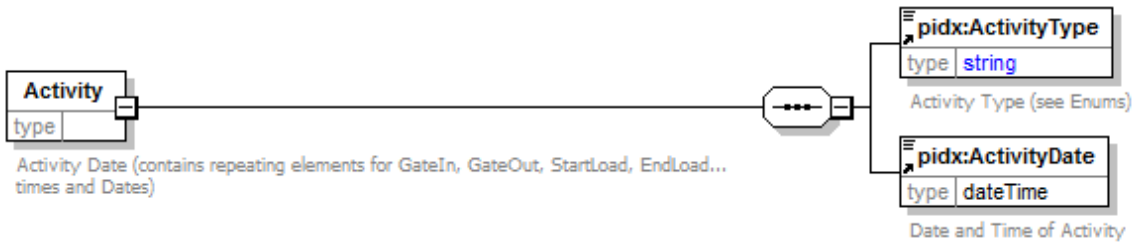
```
      <annotation>
        <documentation>Shipment Order is related to Delivery Business from a
Supplier</documentation>
      </annotation>
    </enumeration>
    <enumeration value="Contract"/>
    <enumeration value="LoadID"/>
    <enumeration value="Nomination"/>
    <enumeration value="SalesOrder">
      <annotation>
        <documentation>Seller Order Number</documentation>
      </annotation>
    </enumeration>
  </restriction>
 </simpleType>
</element>
```

element **Activity**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:ActivityType** **pidx:ActivityDate**
used by	complexType **PostingData**
annotation	documentation Activity Date (contains repeating elements for GateIn, GateOut, StartLoad, EndLoad... times and Dates)

source

```
<element name="Activity">
 <annotation>
  <documentation>Activity Date (contains repeating elements for GateIn, GateOut, StartLoad,
EndLoad... times and Dates)</documentation>
 </annotation>
 <complexType>
  <sequence>
   <element ref="pidx:ActivityType"/>
   <element ref="pidx:ActivityDate">
    <annotation>
     <documentation>Date and Time of Activity</documentation>
    </annotation>
   </element>
  </sequence>
 </complexType>
```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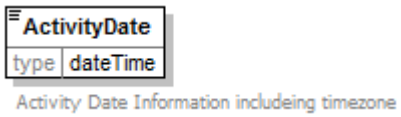
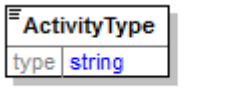
	</element>

element **ActivityDate**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**dateTime**
properties	content simple
used by	element **Activity**
annotation	documentation Activity Date Information includeing timezone
source	<element name="ActivityDate" type="dateTime"> <annotation> <documentation>Activity Date Information includeing timezone</documentation> </annotation> </element>

element **ActivityType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **Activity**
facets	Kind / Value / Annotation enumeration StartLoad — documentation: Start of Loading Timestamp enumeration EndLoad — documentation: End of Loading Timestamp - Used for Billing enumeration GateIn — documentation: Gate Entry Timestamp enumeration GateOut — documentation: Gate Exit Timestamp enumeration EstPickupDate — documentation: Estimated Pickup Timestamp for Orders and Shipments enumeration ValidDate — documentation: Validate Until Date Time of Order or Shipment enumeration ExpireDate — documentation: Expiration time stamp of Order or Shipment
annotation	documentation Activity Type (see Enums)

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source

```
<element name="ActivityType">
 <annotation>
  <documentation>Activity Type (see Enums)</documentation>
 </annotation>
 <simpleType>
  <restriction base="string">
   <enumeration value="StartLoad">
    <annotation>
     <documentation>Start of Loading Timestamp</documentation>
    </annotation>
   </enumeration>
   <enumeration value="EndLoad">
    <annotation>
     <documentation>End of Loading Timestamp - Used for Billing</documentation>
    </annotation>
   </enumeration>
   <enumeration value="GateIn">
    <annotation>
     <documentation>Gate Entry Timestamp</documentation>
    </annotation>
   </enumeration>
   <enumeration value="GateOut">
    <annotation>
     <documentation>Gate Exit Timestamp</documentation>
    </annotation>
   </enumeration>
   <enumeration value="EstPickupDate">
    <annotation>
     <documentation>Estimated Pickup Timestamp for Orders and Shipments</documentation>
    </annotation>
   </enumeration>
   <enumeration value="ValidDate">
    <annotation>
     <documentation>Validate Until Date Time of Order or Shipment</documentation>
    </annotation>
   </enumeration>
   <enumeration value="ExpireDate">
    <annotation>
     <documentation>Expiration time stamp of Order or Shipment</documentation>
    </annotation>
   </enumeration>
  </restriction>
 </simpleType>
</element>
```


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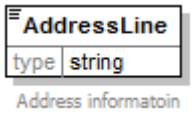
element **AddressLine**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation Address informatoin
source	<element name="AddressLine" type="string"> <annotation> <documentation>Address informatoin</documentation> </annotation> </element>

element **Agency**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation Agency Owning Partner ID
source	<element name="Agency" type="string"> <annotation> <documentation>Agency Owning Partner ID</documentation> </annotation> </element>

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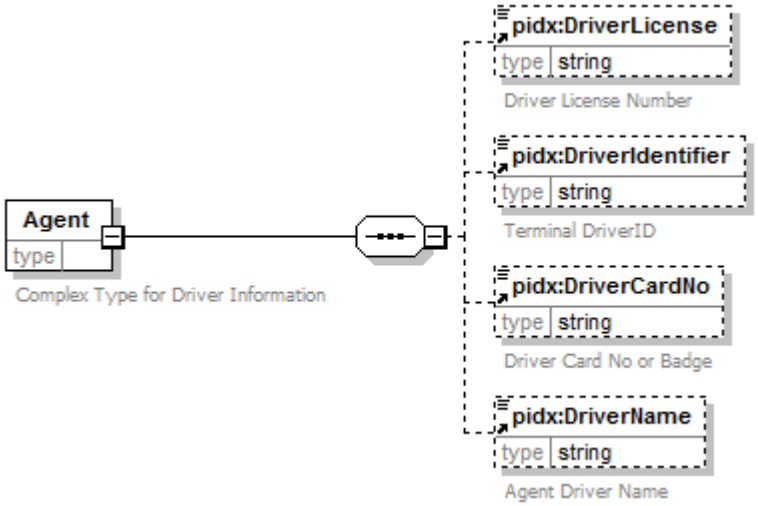
element **Agent**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:DriverLicense** **pidx:DriverIdentifier** **pidx:DriverCardNo** **pidx:DriverName**
used by	elements **AuthTransport** **Transport**
annotation	documentation Complex Type for Driver Information

source

```
<element name="Agent">
 <annotation>
  <documentation>Complex Type for Driver Information</documentation>
 </annotation>
 <complexType>
  <sequence>
   <element ref="pidx:DriverLicense" minOccurs="0"/>
   <element ref="pidx:DriverIdentifier" minOccurs="0">
    <annotation>
     <documentation>Terminal DriverID</documentation>
    </annotation>
   </element>
   <element ref="pidx:DriverCardNo" minOccurs="0">
    <annotation>
     <documentation>Driver Card No or Badge</documentation>
    </annotation>
   </element>
   <element ref="pidx:DriverName" minOccurs="0"/>
  </sequence>
 </complexType>
</element>
```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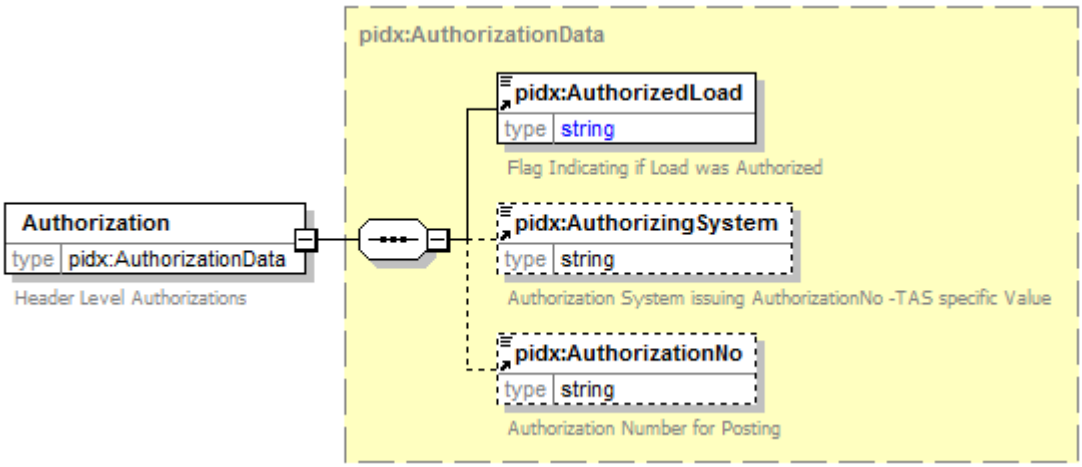
element **annotation**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
annotation	documentation Documentation Annotation for XML document
source	<element name="annotation" type="string"> <annotation> <documentation>Documentation Annotation for XML document</documentation> </annotation> </element>

element **Authorization**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**pidx:AuthorizationData**
properties	content complex
children	**pidx:AuthorizedLoad** **pidx:AuthorizingSystem** **pidx:AuthorizationNo**
used by	complexType **PostingData**
annotation	documentation Header Level Authorizations
source	<element name="Authorization" type="pidx:AuthorizationData"> <annotation> <documentation>Header Level Authorizations</documentation> </annotation>

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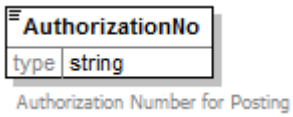
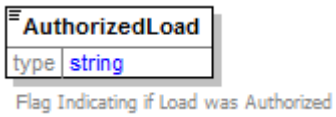
	</element>

element **AuthorizationNo**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **ResponseInfo** complexType **AuthorizationData**
annotation	documentation Authorization Number for Posting
source	<element name="AuthorizationNo" type="string"> <annotation> <documentation>Authorization Number for Posting</documentation> </annotation> </element>

element **AuthorizedLoad**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple default Authorized
used by	complexType **AuthorizationData**
facets	Kind Value Annotation enumeration Authorized enumeration UnAuthorized enumeration NoLoad documentation NoLoad indicates a cancelation of an authorized load. The NoLoad flag will cause all hold amounts to be removed.
annotation	documentation Flag Indicating if Load was Authorized
source	<element name="AuthorizedLoad" default="Authorized"> <annotation> <documentation>Flag Indicating if Load was Authorized</documentation> </annotation> <simpleType> <restriction base="string">

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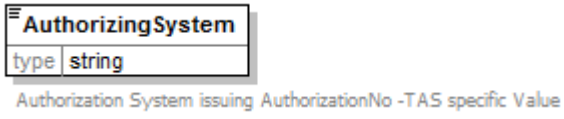
```
      <enumeration value="Authorized"/>
      <enumeration value="UnAuthorized"/>
      <enumeration value="NoLoad">
        <annotation>
          <documentation>NoLoad indicates a cancelation of an authorized load.  The NoLoad flag will
cause all hold amounts to be removed.</documentation>
        </annotation>
      </enumeration>
    </restriction>
  </simpleType>
</element>
```

element **AuthorizingSystem**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **ResponseInfo** complexType **AuthorizationData**
annotation	documentation Authorization System issuing AuthorizationNo -TAS specific Value
source	<element name="AuthorizingSystem" type="string"> <annotation> <documentation>Authorization System issuing AuthorizationNo -TAS specific Value</documentation> </annotation> </element>

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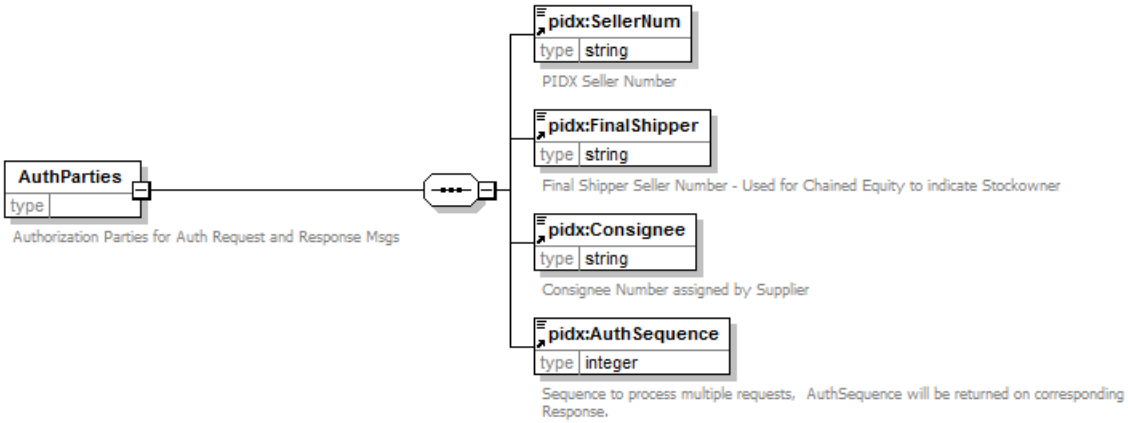
element **AuthParties**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:SellerNum pidx:FinalShipper pidx:Consignee pidx:AuthSequence**
used by	complexTypes **AuthRequestData AuthResponseData**
annotation	documentation Authorization Parties for Auth Request and Response Msgs
source	<element name="AuthParties"> <annotation> <documentation>Authorization Parties for Auth Request and Response Msgs</documentation> </annotation> <complexType> <sequence> <element ref="pidx:SellerNum"/> <element ref="pidx:FinalShipper"/> <element ref="pidx:Consignee"/> <element ref="pidx:AuthSequence"/> </sequence> </complexType> </element>

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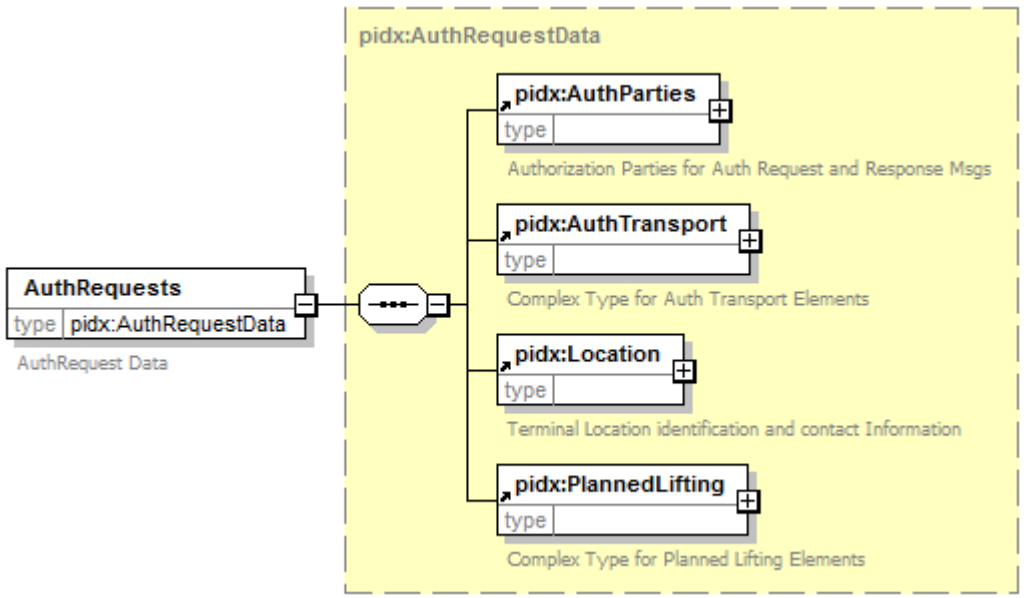
element **AuthRequests**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**pidx:AuthRequestData**
properties	content complex
children	**pidx:AuthParties** **pidx:AuthTransport** **pidx:Location** **pidx:PlannedLifting**
annotation	documentation AuthRequest Data
source	<element name="AuthRequests" type="pidx:AuthRequestData"> <annotation> <documentation>AuthRequest Data</documentation> </annotation> </element>

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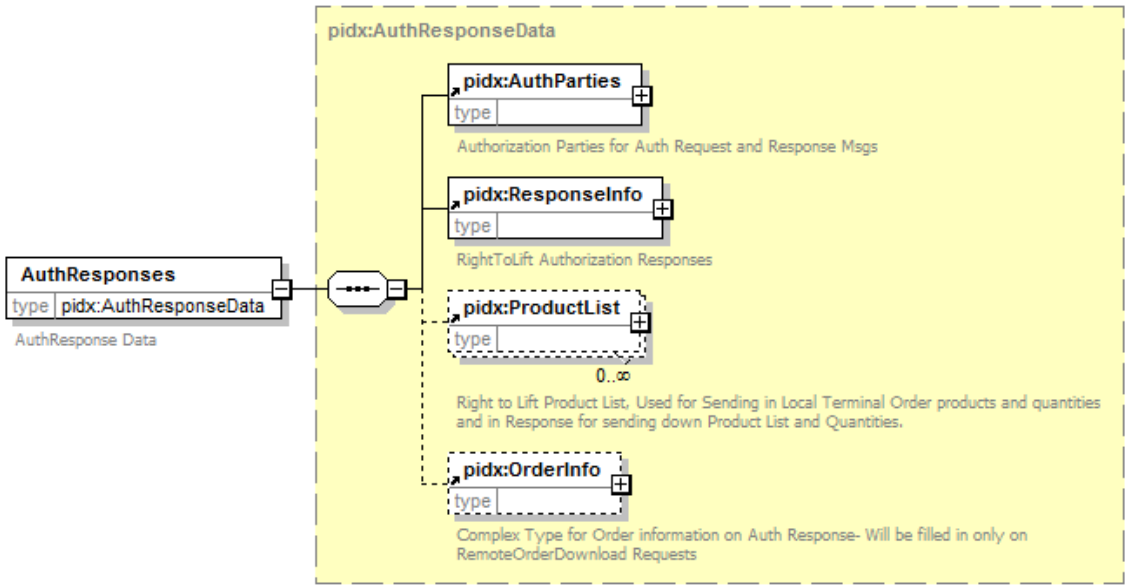
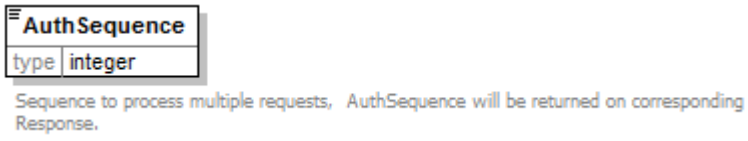
element **AuthResponses**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**pidx:AuthResponseData**
properties	content complex
children	**pidx:AuthParties** **pidx:ResponseInfo** **pidx:ProductList** **pidx:OrderInfo**
annotation	documentation AuthResponse Data
source	<element name="AuthResponses" type="pidx:AuthResponseData"> <annotation> <documentation>AuthResponse Data</documentation> </annotation> </element>

element **AuthSequence**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**integer**
properties	content simple default 1
used by	element **AuthParties**
annotation	documentation Sequence to process multiple requests, AuthSequence will be returned on corresponding Response.

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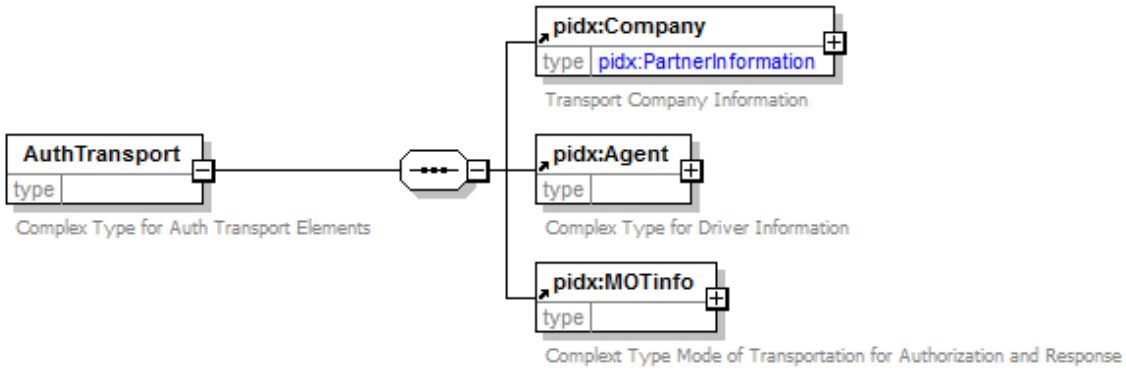
source	<element name="AuthSequence" type="integer" default="1"> <annotation> <documentation>Sequence to process multiple requests, AuthSequence will be returned on corresponding Response.</documentation> </annotation> </element>

element **AuthTransport**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:Company** **pidx:Agent** **pidx:MOTinfo**
used by	complexType **AuthRequestData**
annotation	documentation Complex Type for Auth Transport Elements
source	<element name="AuthTransport"> <annotation> <documentation>Complex Type for Auth Transport Elements</documentation> </annotation> <complexType> <sequence> <element ref="pidx:Company"/> <element ref="pidx:Agent"/> <element ref="pidx:MOTinfo"/> </sequence> </complexType> </element>

element **BlendAlteration**

diagram	

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namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple default 00
used by	element **Product**
facets	Kind Value Annotation enumeration 00 documentation Unused - Additives specified in Recipes Section enumeration 01 documentation Product was Truck Blended with another product enumeration 02 documentation Product contains Additive enumeration 03 documentation Product was Blended and contain Additive enumeration 04 documentation Product contains Detergent Additive enumeration 05 documentation Product was Blended and contains Detergent Additive
annotation	documentation Indicates if Product was Blended.

source

```
<element name="BlendAlteration" default="00">
 <annotation>
  <documentation>Indicates if Product was Blended.</documentation>
 </annotation>
 <simpleType>
  <restriction base="string">
   <enumeration value="00">
    <annotation>
     <documentation>Unused - Additives specified in Recipes Section</documentation>
    </annotation>
   </enumeration>
   <enumeration value="01">
    <annotation>
     <documentation>Product was Truck Blended with another product </documentation>
    </annotation>
   </enumeration>
   <enumeration value="02">
    <annotation>
     <documentation>Product contains Additive </documentation>
    </annotation>
   </enumeration>
   <enumeration value="03">
    <annotation>
     <documentation>Product was Blended and contain Additive </documentation>
    </annotation>
   </enumeration>
   <enumeration value="04">
    <annotation>
     <documentation>Product contains Detergent Additive</documentation>
    </annotation>
   </enumeration>
   <enumeration value="05">
    <annotation>
```


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	<documentation>Product was Blended and contains Detergent Additive</documentation> </annotation> </enumeration> </restriction> </simpleType> </element>

element **Body**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:Posting**
annotation	documentation Body of Loading Delivery Receipt which contains Posting Data
source	<element name="Body"> <annotation> <documentation>Body of Loading Delivery Receipt which contains Posting Data</documentation> </annotation> <complexType> <sequence> <element ref="pidx:Posting" maxOccurs="unbounded"/> </sequence> </complexType> </element>

element **BOLRespErrorCode**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **BOLResponse**
annotation	documentation BOL Response Error Code
source	<element name="BOLRespErrorCode" type="string">

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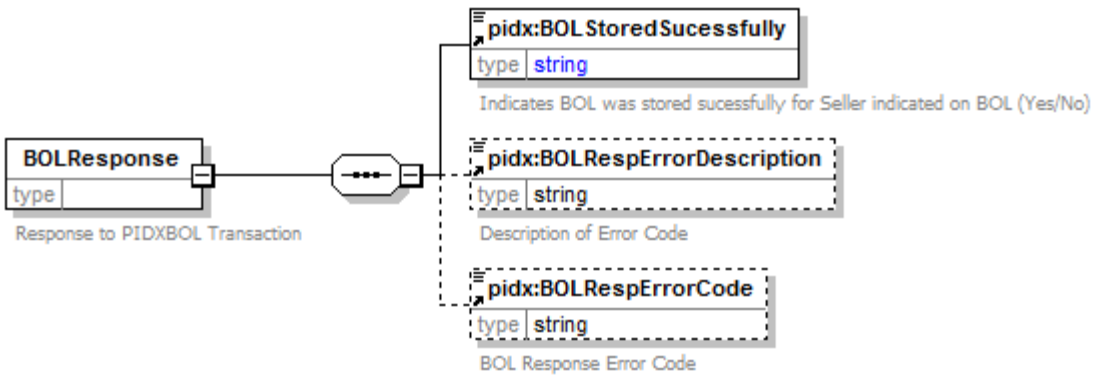
	<annotation> <documentation>BOL Response Error Code</documentation> </annotation> </element>

element **BOLRespErrorDescription**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **BOLResponse**
annotation	documentation Description of Error Code
source	<element name="BOLRespErrorDescription" type="string"> <annotation> <documentation>Description of Error Code</documentation> </annotation> </element>

element **BOLResponse**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:BOLStoredSucessfully pidx:BOLRespErrorDescription pidx:BOLRespErrorCode**
annotation	documentation Response to PIDXBOL Transaction
source	<element name="BOLResponse"> <annotation>

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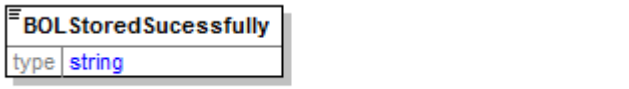
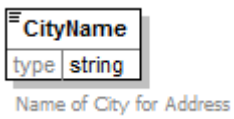
```
    <documentation>Response to PIDXBOL Transaction</documentation>
  </annotation>
  <complexType>
    <sequence>
      <element ref="pidx:BOLStoredSucessfully"/>
      <element ref="pidx:BOLRespErrorDescription" minOccurs="0"/>
      <element ref="pidx:BOLRespErrorCode" minOccurs="0"/>
    </sequence>
  </complexType>
</element>
```

element **BOLStoredSucessfully**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **BOLResponse**
facets	Kind Value Annotation enumeration Yes enumeration No
annotation	documentation Indicates BOL was stored sucessfully for Seller indicated on BOL (Yes/No)
source	<element name="BOLStoredSucessfully"> <annotation> <documentation>Indicates BOL was stored sucessfully for Seller indicated on BOL (Yes/No)</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="Yes"/> <enumeration value="No"/> </restriction> </simpleType> </element>

element **CityName**

diagram	

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namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation Name of City for Address
source	<element name="CityName" type="string"> <annotation> <documentation>Name of City for Address</documentation> </annotation> </element>

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element **Company**

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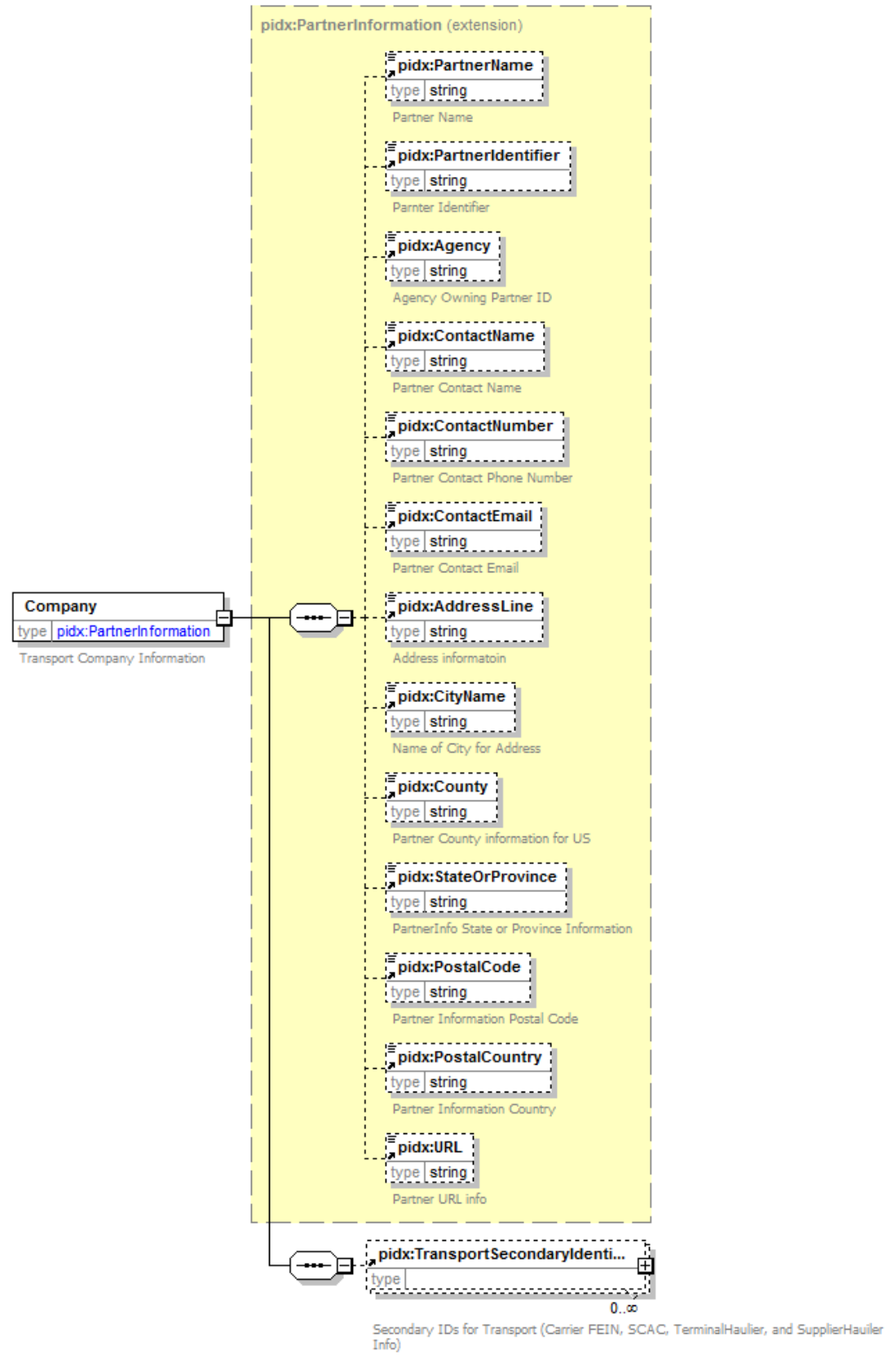
diagram



Schema PIDXLit

Document ID: 04

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namespace	http://www.pidx.org/schema/ds/v5.01
type	extension of **pidx:PartnerInformation**
properties	content complex
children	**pidx:PartnerName** **pidx:PartnerIdentifier** **pidx:Agency** **pidx:ContactName** **pidx:ContactNumber** **pidx:ContactEmail** **pidx:AddressLine** **pidx:CityName** **pidx:County** **pidx:StateOrProvince** **pidx:PostalCode** **pidx:PostalCountry** **pidx:URL** **pidx:TransportSecondaryIdentifier**
used by	elements **AuthTransport** **Transport**
annotation	documentation Transport Company Information
source	<element name="Company"> <annotation> <documentation>Transport Company Information</documentation> </annotation> <complexType> <complexContent> <extension base="pidx:PartnerInformation"> <sequence> <element ref="pidx:TransportSecondaryIdentifier" minOccurs="0" maxOccurs="unbounded"/> </sequence> </extension> </complexContent> </complexType> </element>

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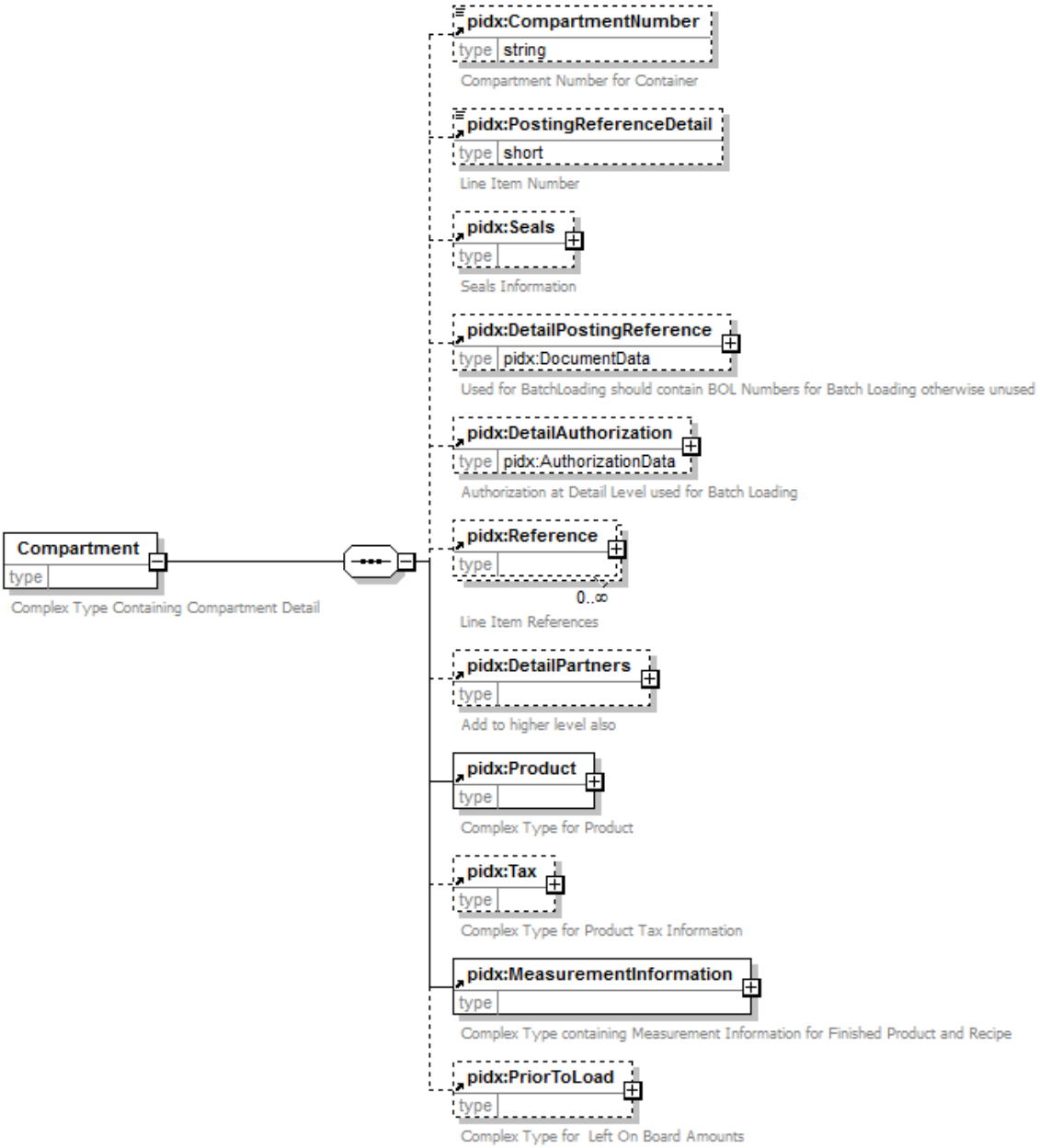
element **Compartment**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:CompartmentNumber pidx:PostingReferenceDetail pidx:Seals pidx:DetailPostingReference pidx:DetailAuthorization pidx:Reference pidx:DetailPartners pidx:Product pidx:Tax pidx:MeasurementInformation pidx:PriorToLoad**
used by	elements **Compartments Content**
annotation	documentation

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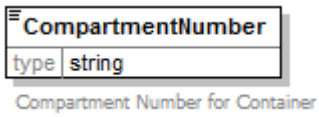
	Complex Type Containing Compartment Detail
source	<element name="Compartment"> <annotation> <documentation>Complex Type Containing Compartment Detail</documentation> </annotation> <complexType> <sequence> <element ref="pidx:CompartmentNumber" minOccurs="0"/> <element ref="pidx:PostingReferenceDetail" minOccurs="0"> <annotation> <documentation>Line Item Number</documentation> </annotation> </element> <element ref="pidx:Seals" minOccurs="0"/> <element ref="pidx:DetailPostingReference" minOccurs="0"/> <element ref="pidx:DetailAuthorization" minOccurs="0"/> <element ref="pidx:Reference" minOccurs="0" maxOccurs="unbounded"/> <element ref="pidx:DetailPartners" minOccurs="0"> <annotation> <documentation>Add to higher level also</documentation> </annotation> </element> <element ref="pidx:Product"/> <element ref="pidx:Tax" minOccurs="0"/> <element ref="pidx:MeasurementInformation"/> <element ref="pidx:PriorToLoad" minOccurs="0"/> </sequence> </complexType> </element>

element **CompartmentNumber**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Compartment**
annotation	documentation Compartment Number for Container
source	<element name="CompartmentNumber" type="string"> <annotation> <documentation>Compartment Number for Container</documentation> </annotation> </element>

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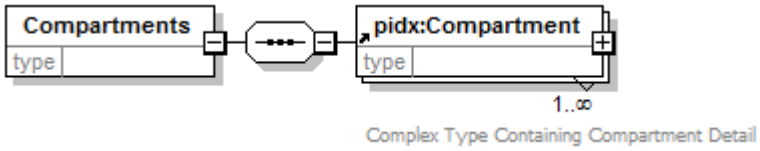
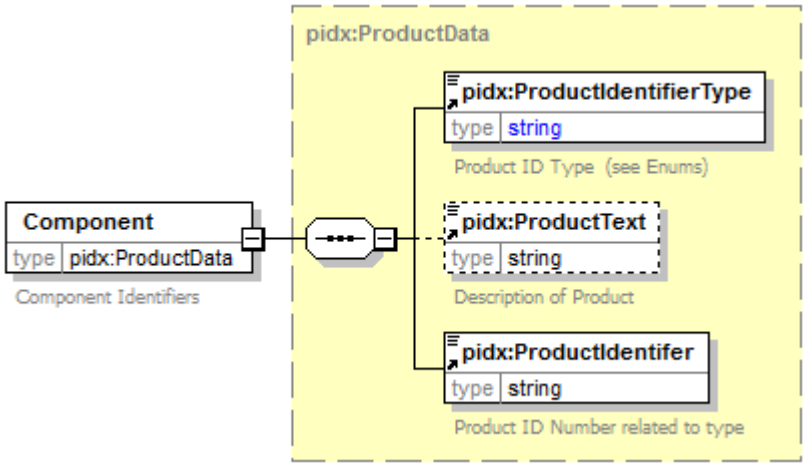
element **Compartments**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:Compartment**
used by	element **LoadingPart**
source	<element name="Compartments"> <complexType> <sequence> <element ref="pidx:Compartment" maxOccurs="unbounded"/> </sequence> </complexType> </element>

element **Component**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**pidx:ProductData**
properties	content complex
children	**pidx:ProductIdentifierType pidx:ProductText pidx:ProductIdentifer**
used by	element **Recipe**
annotation	documentation Component Identifiers

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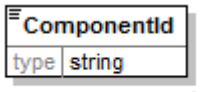
source	<element name="Component" type="pidx:ProductData"> <annotation> <documentation>Component Identifiers</documentation> </annotation> </element>

element **ComponentContract**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Recipe**
annotation	documentation Contract for the Component Product being Lifted (seller's contract number)
source	<element name="ComponentContract" type="string"> <annotation> <documentation>Contract for the Component Product being Lifted (seller's contract number)</documentation> </annotation> </element>

element **ComponentId**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
annotation	documentation Recipe Component Id
source	<element name="ComponentId" type="string"> <annotation> <documentation>Recipe Component Id</documentation> </annotation> </element>

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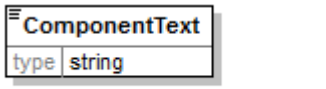
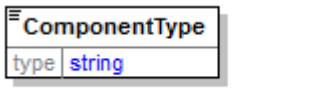
element **ComponentText**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
annotation	documentation Text Description of Recipe Compoent
source	<element name="ComponentText" type="string"> <annotation> <documentation>Text Description of Recipe Compoent</documentation> </annotation> </element>

element **ComponentType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **Recipe**
facets	Kind / Value / Annotation enumeration BaseProduct — documentation: Recipe Base Product enumeration Additive — documentation: Recipe Additive enumeration Dye — documentation: Recipe Dye enumeration Other — documentation: Recipe Other - Partner Agreed upon definition
annotation	documentation Component Type - See Enum Values
source	<element name="ComponentType"> <annotation> <documentation>Component Type - See Enum Values</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="BaseProduct"> <annotation> <documentation>Recipe Base Product</documentation> </annotation>

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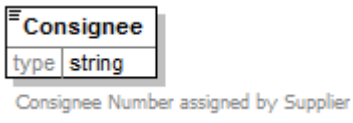
```
      </enumeration>
      <enumeration value="Additive">
        <annotation>
          <documentation>Recipe Additive</documentation>
        </annotation>
      </enumeration>
      <enumeration value="Dye">
        <annotation>
          <documentation>Recipe Dye</documentation>
        </annotation>
      </enumeration>
      <enumeration value="Other">
        <annotation>
          <documentation>Recipe Other - Partner Agreed upon definition</documentation>
        </annotation>
      </enumeration>
    </restriction>
  </simpleType>
</element>
```

element **Consignee**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **AuthParties**
annotation	documentation Consignee Number assigned by Supplier

source	`<element name="Consignee" type="string">`
	`  <annotation>`
	`  <documentation>Consignee Number assigned by Supplier</documentation>`
	`  </annotation>`
	`</element>`

element **ContactEmail**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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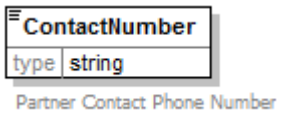
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation Partner Contact Email
source	<element name="ContactEmail" type="string"> <annotation> <documentation>Partner Contact Email</documentation> </annotation> </element>

element **ContactName**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation Partner Contact Name
source	<element name="ContactName" type="string"> <annotation> <documentation>Partner Contact Name</documentation> </annotation> </element>

element **ContactNumber**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation Partner Contact Phone Number
source	<element name="ContactNumber" type="string">

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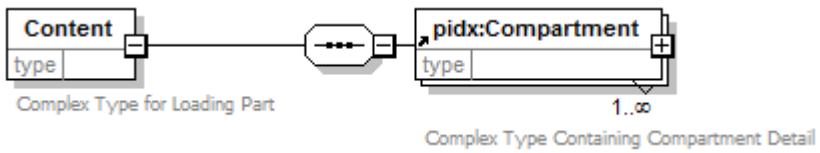
	<annotation> <documentation>Partner Contact Phone Number</documentation> </annotation> </element>

element **ContainerSize**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:Measurement**
used by	element **MOTinfo**
annotation	documentation Defines Size of Container for Auths if Full truck authorization required by Seller
source	<element name="ContainerSize"> <annotation> <documentation>Defines Size of Container for Auths if Full truck authorization required by Seller</documentation> </annotation> <complexType> <sequence> <element ref="pidx:Measurement" minOccurs="0"/> </sequence> </complexType> </element>

element **Content**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:Compartment**
annotation	documentation Complex Type for Loading Part
source	<element name="Content"> <annotation> <documentation>Complex Type for Loading Part</documentation> </annotation>

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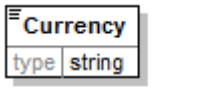
	<complexType> <sequence> <element ref="pidx:Compartment" maxOccurs="unbounded"/> </sequence> </complexType> </element>

element **County**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation Partner County information for US
source	<element name="County" type="string"> <annotation> <documentation>Partner County information for US</documentation> </annotation> </element>

element **Currency**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **TaxDetail**
annotation	documentation Currency of Tax Rate
source	<element name="Currency" type="string"> <annotation> <documentation>Currency of Tax Rate </documentation> </annotation>

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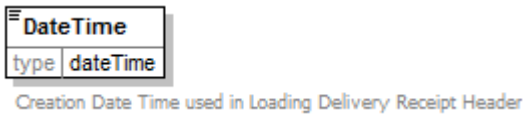
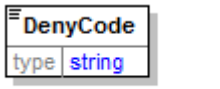
	</element>

element **DateTime**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**dateTime**
properties	content simple
used by	element **Header**
annotation	documentation Creation Date Time used in Loading Delivery Receipt Header
source	<element name="DateTime" type="dateTime"> <annotation> <documentation>Creation Date Time used in Loading Delivery Receipt Header</documentation> </annotation> </element>

element **DenyCode**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **ResponseInfo**
annotation	documentation Legacy Response Codes
source	<element name="DenyCode"> <annotation> <documentation>Legacy Response Codes</documentation> </annotation> <simpleType> <restriction base="string"/> </simpleType> </element>

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element **DenyDescription**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **ResponseInfo**
annotation	documentation Response Descriptions - Should be capable of extended characters sets for multilingual support.
source	<element name="DenyDescription" type="string"> <annotation> <documentation>Response Descriptions - Should be capable of extended characters sets for multilingual support. </documentation> </annotation> </element>

element **DenySellerMsg**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **ResponseInfo**
annotation	documentation Deny Message From Seller, related to Deny Code indicating an Action to be taken.
source	<element name="DenySellerMsg" type="string"> <annotation> <documentation>Deny Message From Seller, related to Deny Code indicating an Action to be taken.</documentation> </annotation> </element>

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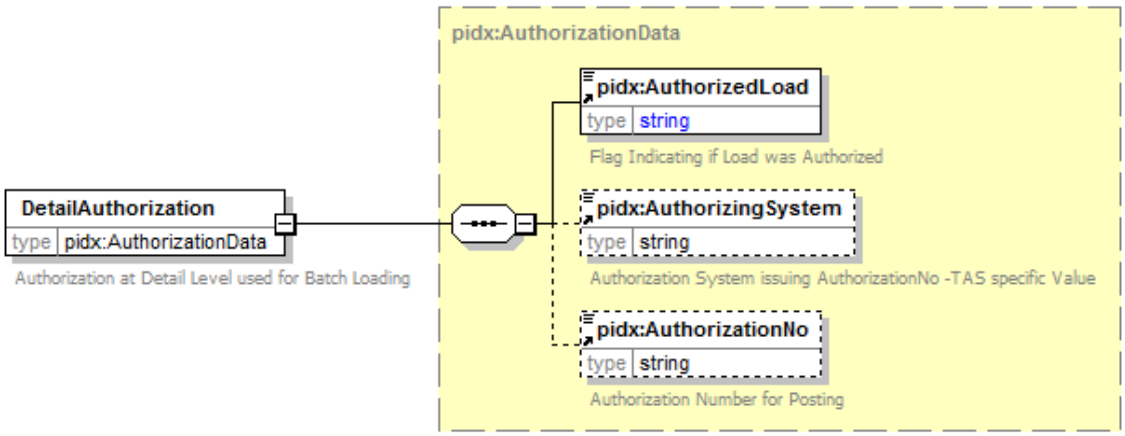
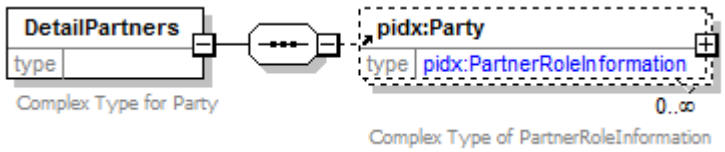
element **DetailAuthorization**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**pidx:AuthorizationData**
properties	content complex
children	**pidx:AuthorizedLoad** **pidx:AuthorizingSystem** **pidx:AuthorizationNo**
used by	element **Compartment**
annotation	documentation Authorization at Detail Level used for Batch Loading
source	<element name="DetailAuthorization" type="pidx:AuthorizationData"> <annotation> <documentation>Authorization at Detail Level used for Batch Loading</documentation> </annotation> </element>

element **DetailPartners**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:Party**
used by	element **Compartment**
annotation	documentation Complex Type for Party
source	<element name="DetailPartners"> <annotation> <documentation>Complex Type for Party</documentation>

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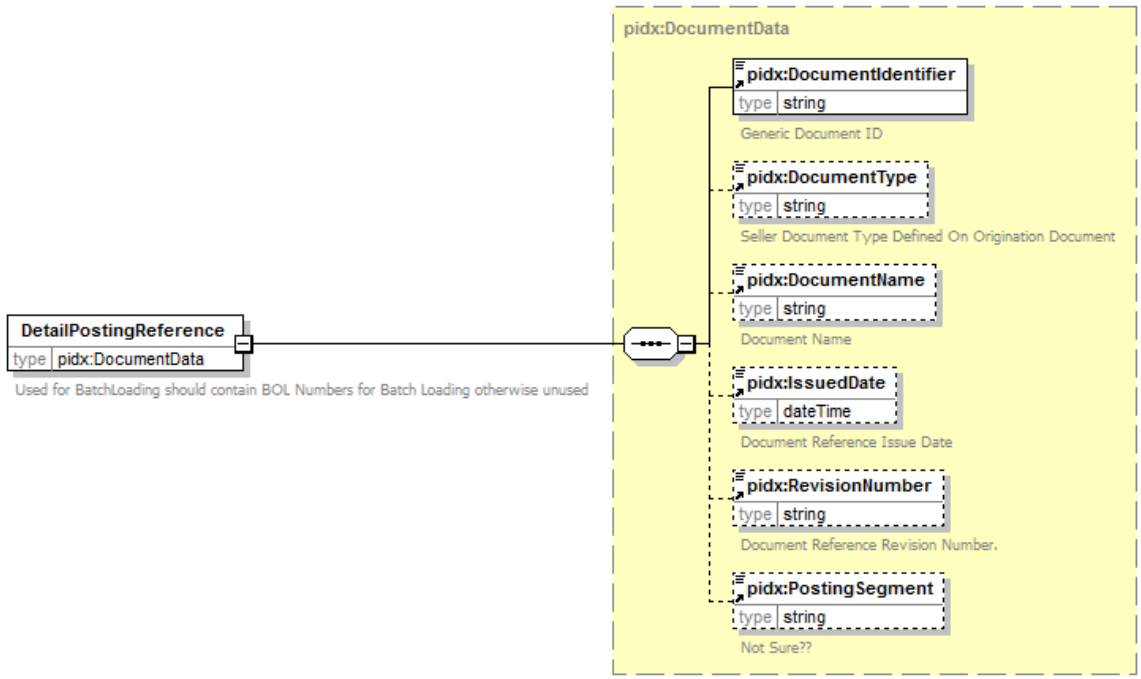
	</annotation> <complexType> <sequence> <element ref="pidx:Party" minOccurs="0" maxOccurs="unbounded"/> </sequence> </complexType> </element>

element **DetailPostingReference**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**pidx:DocumentData**
properties	content complex
children	**pidx:DocumentIdentifier** **pidx:DocumentType** **pidx:DocumentName** **pidx:IssuedDate** **pidx:RevisionNumber** **pidx:PostingSegment**
used by	element **Compartment**
annotation	documentation Used for BatchLoading should contain BOL Numbers for Batch Loading otherwise unused
source	<element name="DetailPostingReference" type="pidx:DocumentData"> <annotation> <documentation>Used for BatchLoading should contain BOL Numbers for Batch Loading otherwise unused</documentation> </annotation> </element>

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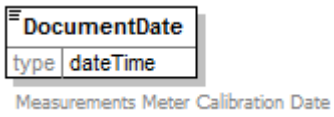
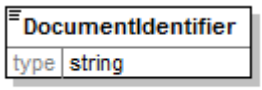
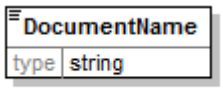
element **DocumentDate**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**dateTime**
properties	content simple
used by	element **MeasurementInformation**
annotation	documentation Measurements Meter Calibration Date
source	<element name="DocumentDate" type="dateTime"> <annotation> <documentation>Measurements Meter Calibration Date</documentation> </annotation> </element>

element **DocumentIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	elements **DocumentReference** **Header** complexType **DocumentData**
annotation	documentation Generic Document ID
source	<element name="DocumentIdentifier" type="string"> <annotation> <documentation>Generic Document ID</documentation> </annotation> </element>

element **DocumentName**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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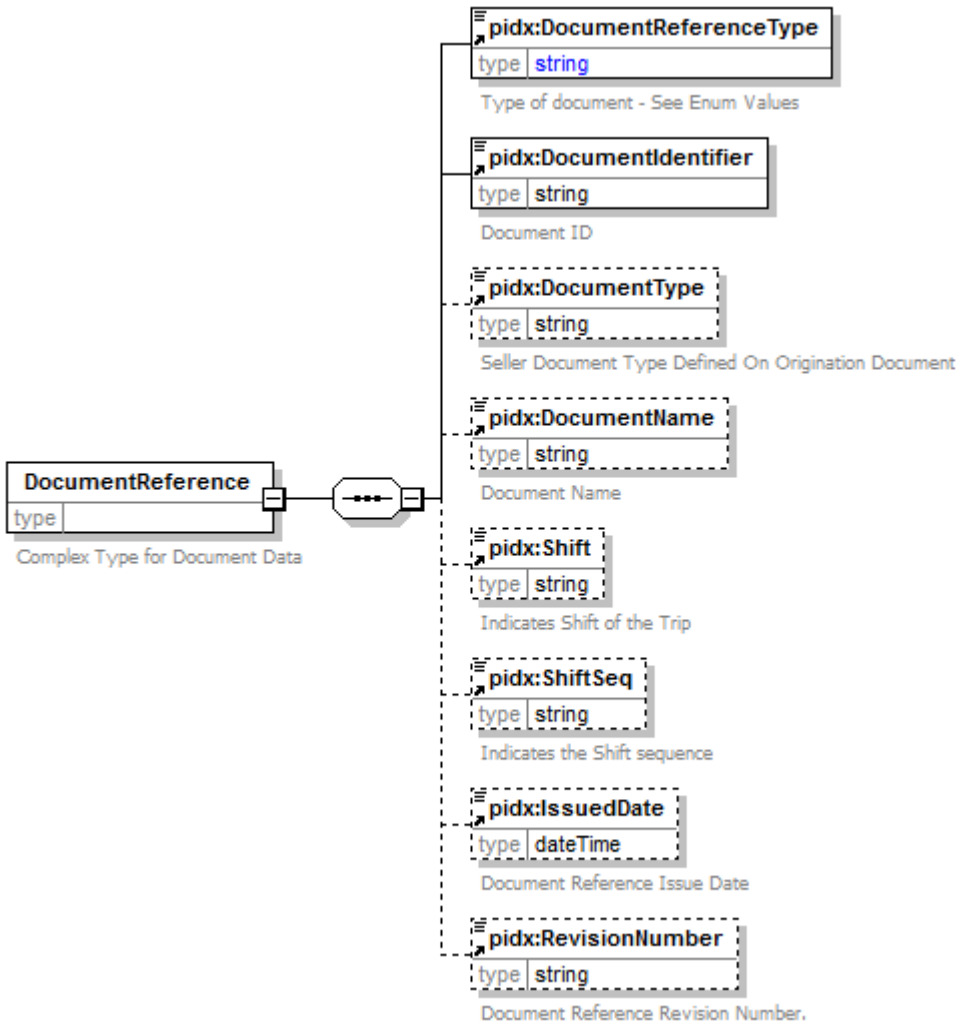
type	**string**
properties	content simple
used by	element **DocumentReference** complexType **DocumentData**
annotation	documentation Document Name
source	<element name="DocumentName" type="string"> <annotation> <documentation>Document Name </documentation> </annotation> </element>

element **DocumentReference**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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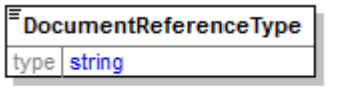
properties	content complex
children	**pidx:DocumentReferenceType pidx:DocumentIdentifier pidx:DocumentType pidx:DocumentName pidx:Shift pidx:ShiftSeq pidx:IssuedDate pidx:RevisionNumber**
used by	complexType **PostingData**
annotation	documentation Complex Type for Document Data
source	<element name="DocumentReference"> <annotation> <documentation>Complex Type for Document Data</documentation> </annotation> <complexType> <sequence> <element ref="pidx:DocumentReferenceType"/> <element ref="pidx:DocumentIdentifier"> <annotation> <documentation>Document ID</documentation> </annotation> </element> <element ref="pidx:DocumentType" minOccurs="0"/> <element ref="pidx:DocumentName" minOccurs="0"/> <element ref="pidx:Shift" minOccurs="0"/> <element ref="pidx:ShiftSeq" minOccurs="0"/> <element ref="pidx:IssuedDate" minOccurs="0"/> <element ref="pidx:RevisionNumber" minOccurs="0"/> </sequence> </complexType> </element>

element **DocumentReferenceType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **DocumentReference**

facets

Kind	Value	Annotation
enumeration	Shipment	documentation Shipment Document - ERP System Document
enumeration	PurchaseOrder	documentation Buyer or Consignee ERP Purchase Order
enumeration	SalesOrder	documentation Seller Sales Order Information
enumeration	PurchaseContract	documentation Buyer Contract Number
enumeration	SalesContract	documentation Seller Sales Contract Number

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	enumeration LoadID enumeration CustomerReference documentation Assuming this is the Trip Number
annotation	documentation Type of document - See Enum Values
source	<element name="DocumentReferenceType"> <annotation> <documentation>Type of document - See Enum Values</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="Shipment"> <annotation> <documentation>Shipment Document - ERP System Document</documentation> </annotation> </enumeration> <enumeration value="PurchaseOrder"> <annotation> <documentation>Buyer or Consignee ERP Purchase Order</documentation> </annotation> </enumeration> <enumeration value="SalesOrder"> <annotation> <documentation>Seller Sales Order Information</documentation> </annotation> </enumeration> <enumeration value="PurchaseContract"> <annotation> <documentation>Buyer Contract Number</documentation> </annotation> </enumeration> <enumeration value="SalesContract"> <annotation> <documentation>Seller Sales Contract Number</documentation> </annotation> </enumeration> <enumeration value="LoadID"/> <enumeration value="CustomerReference"> <annotation> <documentation>Assuming this is the Trip Number</documentation> </annotation> </enumeration> </restriction> </simpleType> </element>

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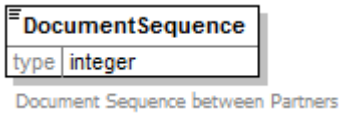
element **DocumentSequence**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**integer**
properties	content simple
used by	element **Header**
annotation	documentation Document Sequence between Partners
source	<element name="DocumentSequence" type="integer"> <annotation> <documentation>Document Sequence between Partners</documentation> </annotation> </element>

element **DocumentType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **DocumentReference** complexType **DocumentData**
annotation	documentation Seller Document Type Defined On Origination Document
source	<element name="DocumentType" type="string"> <annotation> <documentation>Seller Document Type Defined On Origination Document</documentation> </annotation> </element>

element **DriverCardNo**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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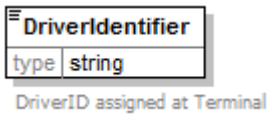
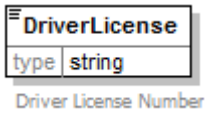
type	**string**
properties	content simple
used by	element **Agent**
annotation	documentation Driver Card No assigned at Terminal
source	<element name="DriverCardNo" type="string"> <annotation> <documentation>Driver Card No assigned at Terminal</documentation> </annotation> </element>

element **DriverIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Agent**
annotation	documentation DriverID assigned at Terminal
source	<element name="DriverIdentifier" type="string"> <annotation> <documentation>DriverID assigned at Terminal</documentation> </annotation> </element>

element **DriverLicense**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Agent**
annotation	documentation Driver License Number
source	<element name="DriverLicense" type="string"> <annotation>

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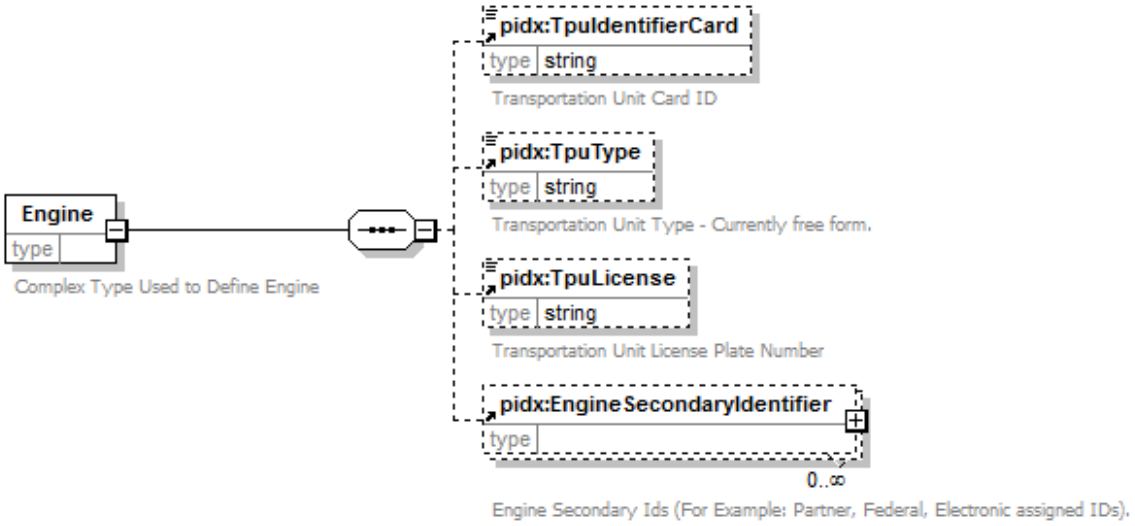
	<documentation>Driver License Number</documentation> </annotation> </element>

element **DriverName**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Agent**
annotation	documentation Agent Driver Name
source	<element name="DriverName" type="string"> <annotation> <documentation>Agent Driver Name</documentation> </annotation> </element>

element **Engine**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:TpuIdentifierCard pidx:TpuType pidx:TpuLicense pidx:EngineSecondaryIdentifier**

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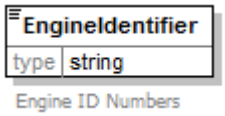
used by	element **ModeOfTransport**
annotation	documentation Complex Type Used to Define Engine
source	<element name="Engine"> <annotation> <documentation>Complex Type Used to Define Engine</documentation> </annotation> <complexType> <sequence> <element ref="pidx:TpuIdentifierCard" minOccurs="0"> <annotation> <documentation>Transportation Unit Card ID </documentation> </annotation> </element> <element ref="pidx:TpuType" minOccurs="0"/> <element ref="pidx:TpuLicense" minOccurs="0"/> <element ref="pidx:EngineSecondaryIdentifier" minOccurs="0" maxOccurs="unbounded"/> </sequence> </complexType> </element>

element **EngineIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **EngineSecondaryIdentifier**
annotation	documentation Engine ID Numbers
source	<element name="EngineIdentifier" type="string"> <annotation> <documentation>Engine ID Numbers</documentation> </annotation> </element>

element **EngineIdentifierType**

diagram	

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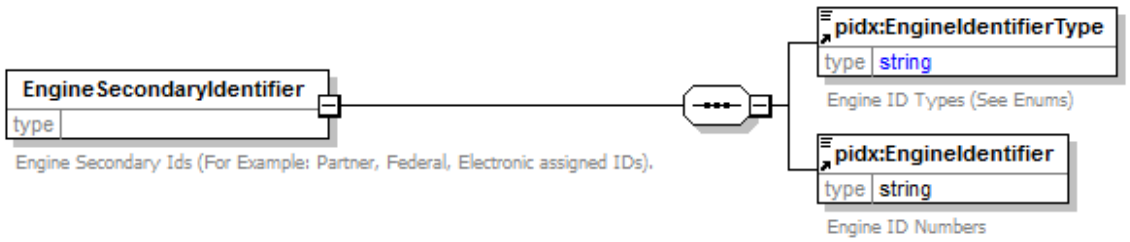
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **EngineSecondaryIdentifier**
facets	Kind Value Annotation enumeration PartnerEngineID enumeration FederalAssignedID enumeration ElectronicID
annotation	documentation Engine ID Types (See Enums)
source	<element name="EngineIdentifierType"> <annotation> <documentation>Engine ID Types (See Enums)</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="PartnerEngineID"/> <enumeration value="FederalAssignedID"/> <enumeration value="ElectronicID"/> </restriction> </simpleType> </element>

element **EngineSecondaryIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:EngineIdentifierType** **pidx:EngineIdentifier**
used by	element **Engine**
annotation	documentation Engine Secondary Ids (For Example: Partner, Federal, Electronic assigned IDs).
source	<element name="EngineSecondaryIdentifier"> <annotation> <documentation>Engine Secondary Ids (For Example: Partner, Federal, Electronic assigned IDs).</documentation> </annotation> <complexType>

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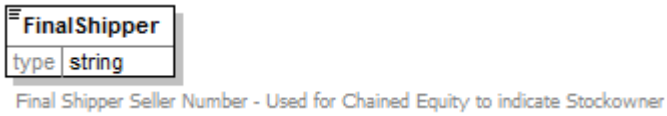
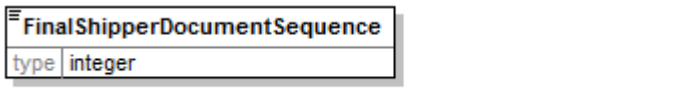
	<sequence> <element ref="pidx:EngineIdentifierType"/> <element ref="pidx:EngineIdentifier"/> </sequence> </complexType> </element>

element **FinalShipper**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **AuthParties**
annotation	documentation Final Shipper Seller Number - Used for Chained Equity to indicate Stockowner
source	<element name="FinalShipper" type="string"> <annotation> <documentation>Final Shipper Seller Number - Used for Chained Equity to indicate Stockowner</documentation> </annotation> </element>

element **FinalShipperDocumentSequence**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**integer**
properties	content simple
used by	element **ShipperData**
annotation	documentation Final Shipper BOL Sequence - Sequence used for each BOL going to stockowner
source	<element name="FinalShipperDocumentSequence" type="integer"> <annotation> <documentation>Final Shipper BOL Sequence - Sequence used for each BOL going to stockowner</documentation> </annotation> </element>

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element **From**

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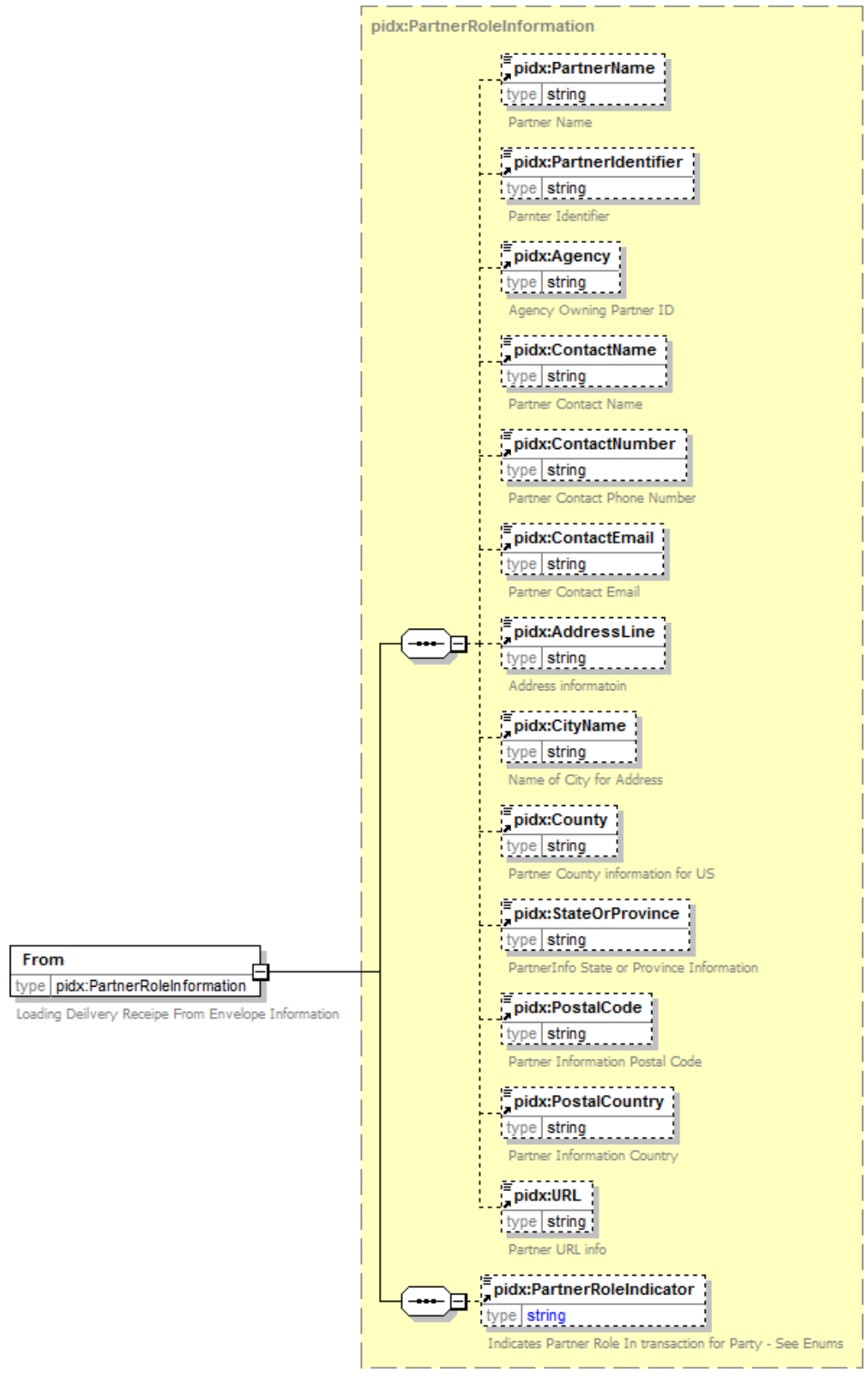
diagram



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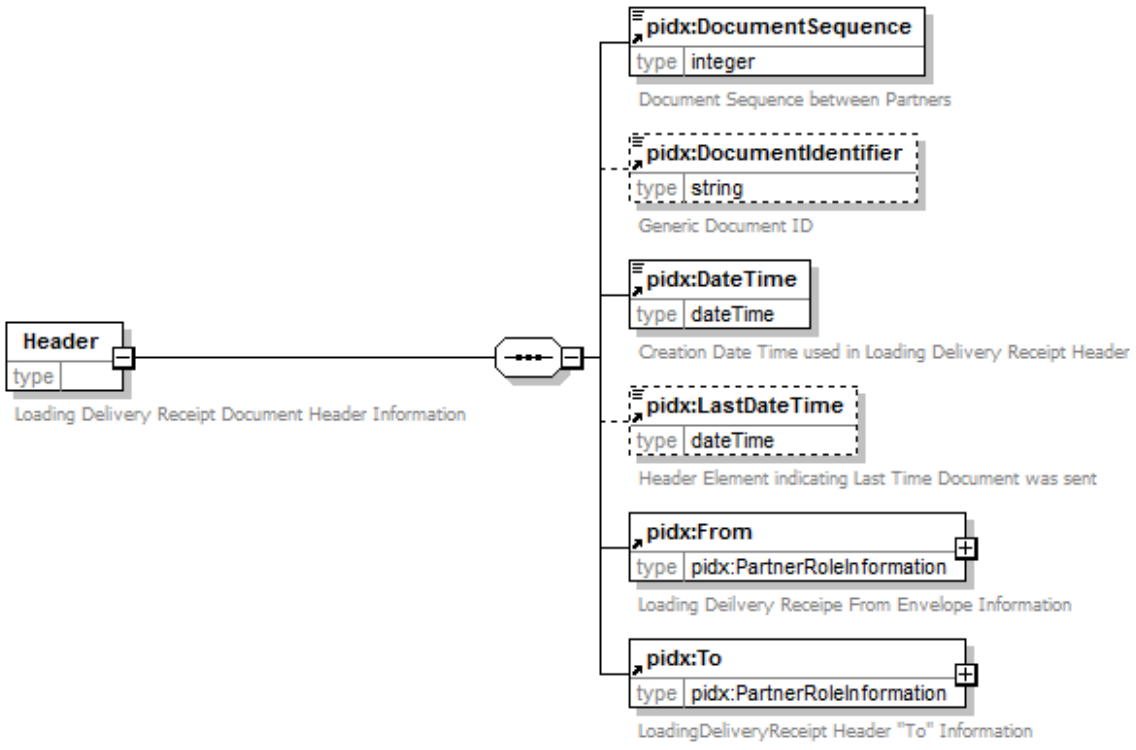
namespace	http://www.pidx.org/schema/ds/v5.01
type	**pidx:PartnerRoleInformation**
properties	content complex mixed false
children	**pidx:PartnerName pidx:PartnerIdentifier pidx:Agency pidx:ContactName pidx:ContactNumber pidx:ContactEmail pidx:AddressLine pidx:CityName pidx:County pidx:StateOrProvince pidx:PostalCode pidx:PostalCountry pidx:URL pidx:PartnerRoleIndicator**
used by	element **Header**
annotation	documentation Loading Deilvery Receipe From Envelope Information
source	<element name="From" type="pidx:PartnerRoleInformation"> <annotation> <documentation>Loading Deilvery Receipe From Envelope Information</documentation> </annotation> </element>

element **Header**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:DocumentSequence pidx:DocumentIdentifier pidx:DateTime pidx:LastDateTime pidx:From pidx:To**
annotation	documentation Loading Delivery Receipt Document Header Information

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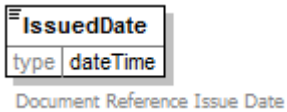
source	<element name="Header"> <annotation> <documentation>Loading Delivery Receipt Document Header Information</documentation> </annotation> <complexType> <sequence> <element ref="pidx:DocumentSequence"/> <element ref="pidx:DocumentIdentifier" minOccurs="0"/> <element ref="pidx:DateTime"/> <element ref="pidx:LastDateTime" minOccurs="0"/> <element ref="pidx:From"/> <element ref="pidx:To"/> </sequence> </complexType> </element>

element **IssuedDate**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**dateTime**
properties	content simple
used by	element **DocumentReference** complexType **DocumentData**
annotation	documentation Document Reference Issue Date
source	<element name="IssuedDate" type="dateTime"> <annotation> <documentation>Document Reference Issue Date</documentation> </annotation> </element>

element **LastDateTime**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**dateTime**
properties	content simple
used by	element **Header**

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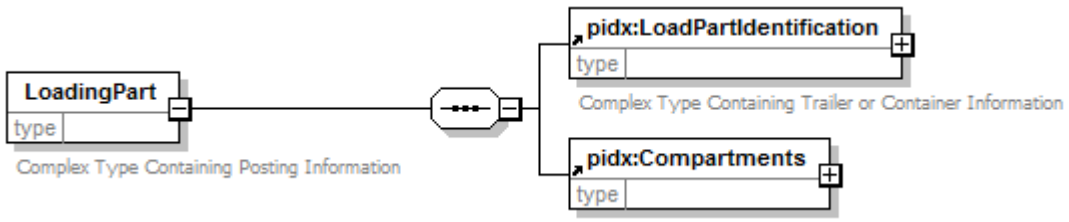
annotation	documentation Header Element indicating Last Time Document was sent
source	<element name="LastDateTime" type="dateTime"> <annotation> <documentation>Header Element indicating Last Time Document was sent</documentation> </annotation> </element>

element **LoadingPart**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:LoadPartIdentification** **pidx:Compartments**
used by	element **LoadingParts**
annotation	documentation Complex Type Containing Posting Information
source	<element name="LoadingPart"> <annotation> <documentation>Complex Type Containing Posting Information</documentation> </annotation> <complexType> <sequence> <element ref="pidx:LoadPartIdentification"/> <element ref="pidx:Compartments"/> </sequence> </complexType> </element>

element **LoadingPartIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple

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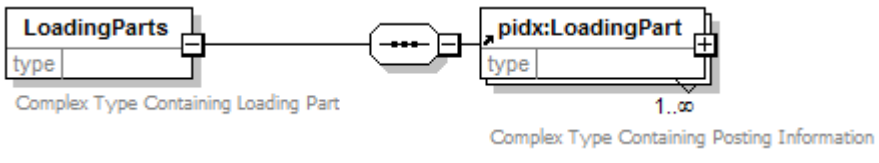
used by	element **LoadingPartSecondaryIdentifier**
annotation	documentation Loading Part ID
source	<element name="LoadingPartIdentifier" type="string"> <annotation> <documentation>Loading Part ID</documentation> </annotation> </element>

element **LoadingPartIdentifierType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **LoadingPartSecondaryIdentifier**
facets	Kind / Value / Annotation enumeration PartnerEngineID enumeration FederalAssignedID enumeration ElectronicID
annotation	documentation Loading Part ID Type (See Enums)
source	<element name="LoadingPartIdentifierType"> <annotation> <documentation>Loading Part ID Type (See Enums)</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="PartnerEngineID"/> <enumeration value="FederalAssignedID"/> <enumeration value="ElectronicID"/> </restriction> </simpleType> </element>

element **LoadingParts**

diagram	

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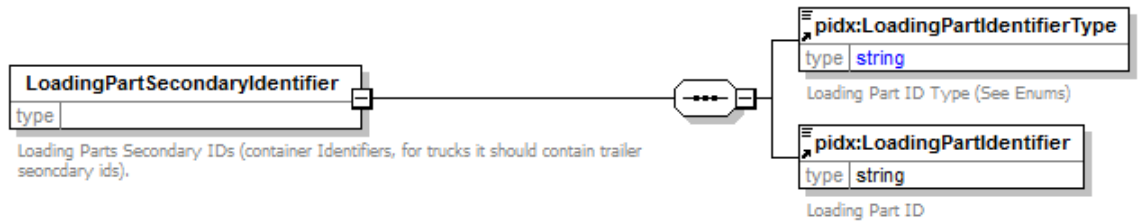
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:LoadingPart**
used by	element **Transport**
annotation	documentation Complex Type Containing Loading Part
source	<element name="LoadingParts"> <annotation> <documentation>Complex Type Containing Loading Part</documentation> </annotation> <complexType> <sequence> <element ref="pidx:LoadingPart" maxOccurs="unbounded"/> </sequence> </complexType> </element>

element **LoadingPartSecondaryIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:LoadingPartIdentifierType** **pidx:LoadingPartIdentifier**
used by	element **LoadPartIdentification**
annotation	documentation Loading Parts Secondary IDs (container Identifiers, for trucks it should contain trailer seoncdary ids).
source	<element name="LoadingPartSecondaryIdentifier"> <annotation> <documentation>Loading Parts Secondary IDs (container Identifiers, for trucks it should contain trailer seoncdary ids).</documentation> </annotation> <complexType> <sequence> <element ref="pidx:LoadingPartIdentifierType"/> <element ref="pidx:LoadingPartIdentifier"/> </sequence> </complexType> </element>

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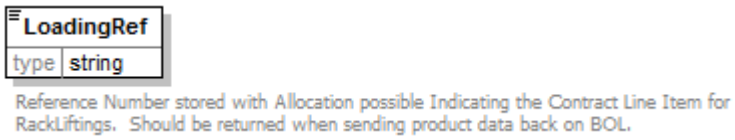
element **LoadingRef**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **ProductList**
annotation	documentation Reference Number stored with Allocation possible Indicating the Contract Line Item for RackLiftings. Should be returned when sending product data back on BOL.
source	<element name="LoadingRef" type="string"> <annotation> <documentation>Reference Number stored with Allocation possible Indicating the Contract Line Item for RackLiftings. Should be returned when sending product data back on BOL.</documentation> </annotation> </element>

element **LoadingType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	elements **PlannedLifting** **ResponseInfo**

facets

Kind	Value	Annotation
enumeration	RackPickup	documentation Used to indicate an unplanned pickup for Authorization. No Product Information is contained at Clearing House for this Authorization. TAS should determine if Order Download is required from Clearing House (configurable option on Consignee) or if user picked a local terminal order.
enumeration	RealTimeRemoteOrderDownload	documentation TAS has configured Consignee to execute loading through Remote Orders
enumeration	LocalTerminalOrder	documentation Loading Agent Picked an Order at the terminal, Product Amounts and Product ID should be sent in with authorization. Authorization will be run against the product and amounts to determine if the Consignee has available credit and product allocations necessary to Auth the load.

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annotation	documentation LoadingType Used to during Authorization to determine Clearing House Action
source	<element name="LoadingType"> <annotation> <documentation>LoadingType Used to during Authorization to determine Clearing House Action</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="RackPickup"> <annotation> <documentation>Used to indicate an unplanned pickup for Authorization. No Product Information is contained at Clearing House for this Authorization. TAS should determine if Order Download is required from Clearing House (configurable option on Consignee) or if user picked a local terminal order.</documentation> </annotation> </enumeration> <enumeration value="RealTimeRemoteOrderDownload"> <annotation> <documentation>TAS has configured Consignee to execute loading through Remote Orders</documentation> </annotation> </enumeration> <enumeration value="LocalTerminalOrder"> <annotation> <documentation>Loading Agent Picked an Order at the terminal, Product Amounts and Product ID should be sent in with authorization. Authorization will be run against the product and amounts to determine if the Consignee has available credit and product allocations necessary to Auth the load.</documentation> </annotation> </enumeration> </restriction> </simpleType> </element>

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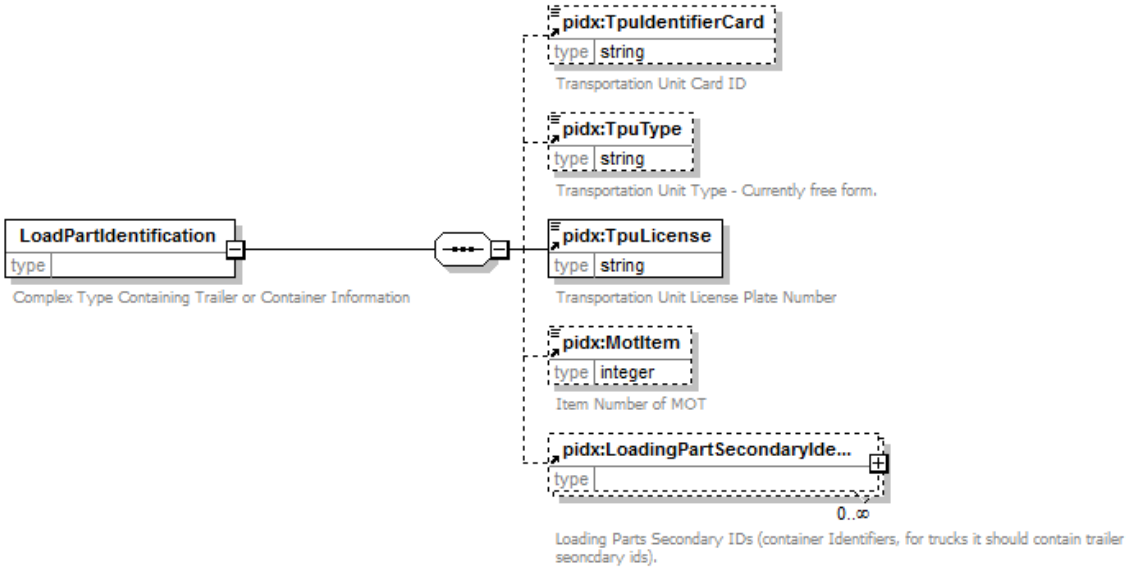
element **LoadPartIdentification**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:TpuIdentifierCard** **pidx:TpuType** **pidx:TpuLicense** **pidx:MotItem** **pidx:LoadingPartSecondaryIdentifier**
used by	element **LoadingPart**
annotation	documentation Complex Type Containing Trailer or Container Information

source

```
<element name="LoadPartIdentification">
 <annotation>
  <documentation>Complex Type Containing Trailer or Container Information</documentation>
 </annotation>
 <complexType>
  <sequence>
   <element ref="pidx:TpuIdentifierCard" minOccurs="0">
    <annotation>
     <documentation>Transportation Unit Card ID </documentation>
    </annotation>
   </element>
   <element ref="pidx:TpuType" minOccurs="0"/>
   <element ref="pidx:TpuLicense"/>
   <element ref="pidx:MotItem" minOccurs="0"/>
   <element ref="pidx:LoadingPartSecondaryIdentifier" minOccurs="0"
maxOccurs="unbounded"/>
  </sequence>
 </complexType>
</element>
```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element **Location**

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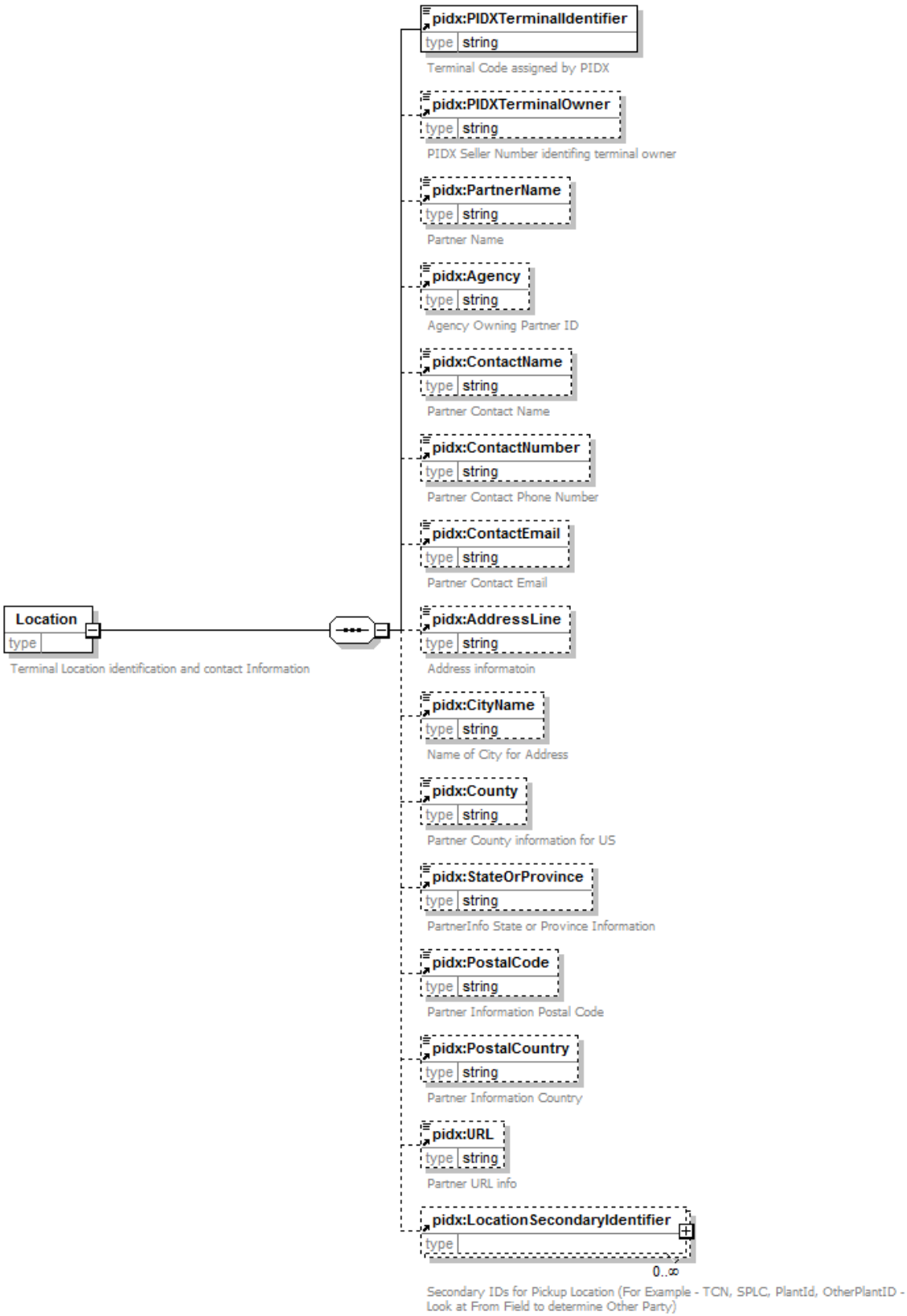
diagram



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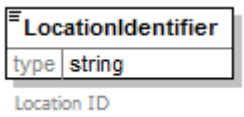
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	pidx:PIDXTerminalIdentifier pidx:PIDXTerminalOwner pidx:PartnerName pidx:Agency pidx:ContactName pidx:ContactNumber pidx:ContactEmail pidx:AddressLine pidx:CityName pidx:County pidx:StateOrProvince pidx:PostalCode pidx:PostalCountry pidx:URL pidx:LocationSecondaryIdentifier
used by	complexTypes AuthRequestData PostingData
annotation	documentation Terminal Location identification and contact Information

source

```
<element name="Location">
 <annotation>
  <documentation>Terminal Location identification and contact Information</documentation>
 </annotation>
 <complexType>
  <sequence>
   <element ref="pidx:PIDXTerminalIdentifier"/>
   <element ref="pidx:PIDXTerminalOwner" minOccurs="0"/>
   <element ref="pidx:PartnerName" minOccurs="0"/>
   <element ref="pidx:Agency" minOccurs="0"/>
   <element ref="pidx:ContactName" minOccurs="0"/>
   <element ref="pidx:ContactNumber" minOccurs="0"/>
   <element ref="pidx:ContactEmail" minOccurs="0"/>
   <element ref="pidx:AddressLine" minOccurs="0"/>
   <element ref="pidx:CityName" minOccurs="0"/>
   <element ref="pidx:County" minOccurs="0"/>
   <element ref="pidx:StateOrProvince" minOccurs="0"/>
   <element ref="pidx:PostalCode" minOccurs="0"/>
   <element ref="pidx:PostalCountry" minOccurs="0"/>
   <element ref="pidx:URL" minOccurs="0"/>
   <element ref="pidx:LocationSecondaryIdentifier" minOccurs="0" maxOccurs="unbounded"/>
  </sequence>
 </complexType>
</element>
```

element **LocationIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element LocationSecondaryIdentifier
annotation	documentation Location ID

source

```
<element name="LocationIdentifier" type="string">
```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	<annotation> <documentation>Location ID </documentation> </annotation> </element>

element **LocationIdentifierType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **LocationSecondaryIdentifier**
facets	Kind / Value / Annotation enumeration SPLC — documentation: SPLC - US Frieght Region Code enumeration PartnerPlantID — documentation: Plant ID for Seller enumeration OtherPlantID — documentation: Used to store other Plant ID information in Loading Delivery Receipt (see From for Details of which partner sent the original BOL data).
annotation	documentation Location ID Types (see Enums)
source	<element name="LocationIdentifierType"> <annotation> <documentation>Location ID Types (see Enums)</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="SPLC"> <annotation> <documentation>SPLC - US Frieght Region Code</documentation> </annotation> </enumeration> <enumeration value="PartnerPlantID"> <annotation> <documentation>Plant ID for Seller</documentation> </annotation> </enumeration> <enumeration value="OtherPlantID"> <annotation> <documentation>Used to store other Plant ID information in Loading Delivery Receipt (see From for Details of which partner sent the original BOL data).</documentation> </annotation> </enumeration> </restriction> </simpleType>

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	</element>

element **LocationSecondaryIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:LocationIdentifierType** **pidx:LocationIdentifier**
used by	element **Location**
annotation	documentation Secondary IDs for Pickup Location (For Example - TCN, SPLC, PlantId, OtherPlantID - Look at From Field to determine Other Party)
source	<element name="LocationSecondaryIdentifier"> <annotation> <documentation>Secondary IDs for Pickup Location (For Example - TCN, SPLC, PlantId, OtherPlantID - Look at From Field to determine Other Party)</documentation> </annotation> <complexType> <sequence> <element ref="pidx:LocationIdentifierType"/> <element ref="pidx:LocationIdentifier"/> </sequence> </complexType> </element>

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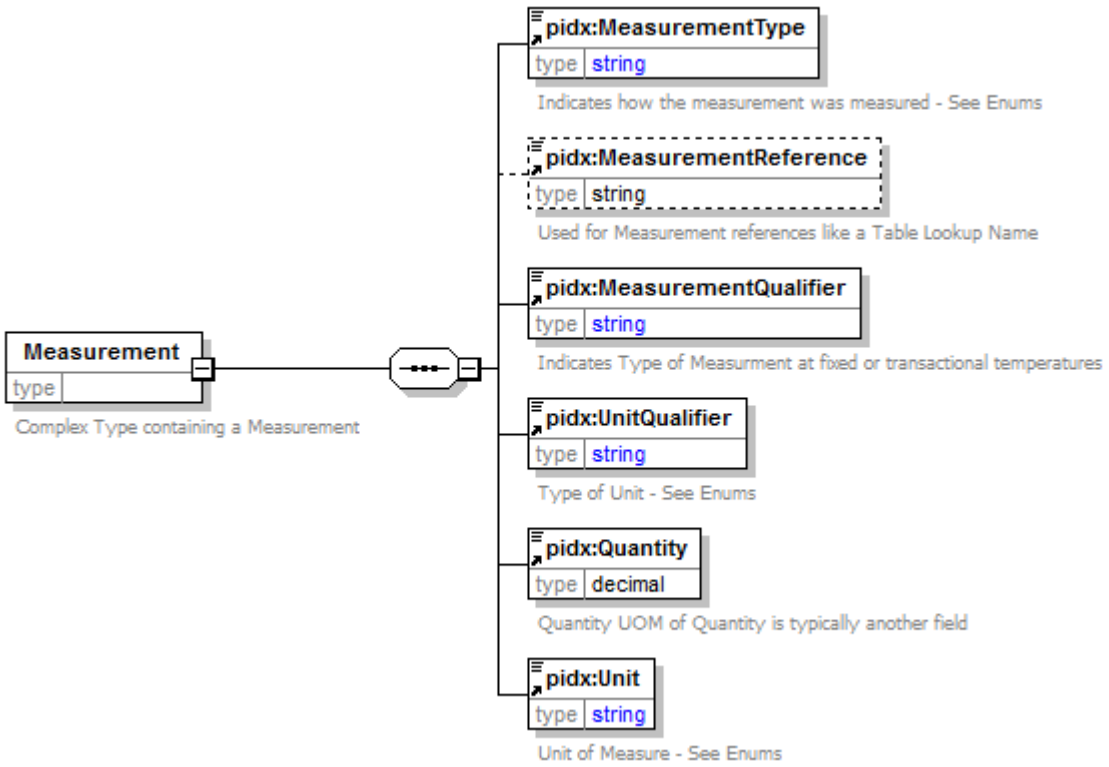
element **Measurement**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:MeasurementType pidx:MeasurementReference pidx:MeasurementQualifier pidx:UnitQualifier pidx:Quantity pidx:Unit**
used by	elements **ContainerSize Measurements ProductList**
annotation	documentation Complex Type containing a Measurement
source	<element name="Measurement"> <annotation> <documentation>Complex Type containing a Measurement</documentation> </annotation> <complexType> <sequence> <element ref="pidx:MeasurementType"/> <element ref="pidx:MeasurementReference" minOccurs="0"/> <element ref="pidx:MeasurementQualifier"/> <element ref="pidx:UnitQualifier"/> <element ref="pidx:Quantity"/> <element ref="pidx:Unit"/> </sequence> </complexType> </element>

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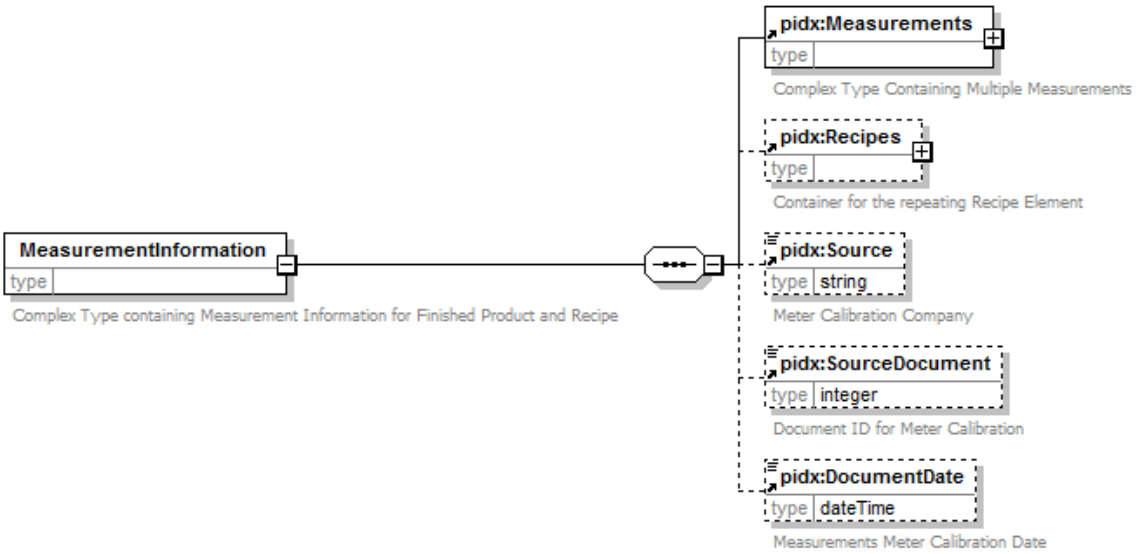
element **MeasurementInformation**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:Measurements** **pidx:Recipes** **pidx:Source** **pidx:SourceDocument** **pidx:DocumentDate**
used by	element **Compartment**
annotation	documentation Complex Type containing Measurement Information for Finished Product and Recipe
source	<element name="MeasurementInformation"> <annotation> <documentation>Complex Type containing Measurement Information for Finished Product and Recipe</documentation> </annotation> <complexType> <sequence> <element ref="pidx:Measurements"/> <element ref="pidx:Recipes" minOccurs="0"/> <element ref="pidx:Source" minOccurs="0"> <annotation> <documentation>Meter Calibration Company</documentation> </annotation> </element> <element ref="pidx:SourceDocument" minOccurs="0"/> <element ref="pidx:DocumentDate" minOccurs="0"/> </sequence> </complexType> </element>

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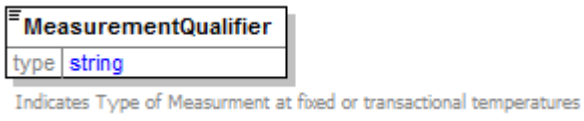
element **MeasurementQualifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **Measurement**
facets	Kind / Value / Annotation enumeration Ambient — documentation: Measurement at Ambient Temperature - Use this Measurement instead of Transaction enumeration Standard — documentation: Standard Measurement at a Fixed Temperature - Use this instead of specifying Base or Test. enumeration Base — documentation: This will be Depricated in Version 6 - Use Standard Indicates a NET value or measurement from 15 degrees C or 60 Degrees C enumeration Test — documentation: This will be Depricated in Version 6 - Use Standard Test is measured from a different temperature reading other than 15 C or 60 F enumeration Transaction — documentation: This will be Depricated in Version 6 - Use Ambient Transactional temperature reading
annotation	documentation Indicates Type of Measurment at fixed or transactional temperatures

source

```
<element name="MeasurementQualifier">
 <annotation>
  <documentation>Indicates Type of Measurment at fixed or transactional
temperatures</documentation>
 </annotation>
 <simpleType>
  <restriction base="string">
   <enumeration value="Ambient">
    <annotation>
     <documentation>Measurement at Ambient Temperature - Use this Measurement instead of
Transaction</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Standard">
    <annotation>
     <documentation>Standard Measurement at a Fixed Temperature - Use this instead of
specifying Base or Test.</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Base">
    <annotation>
     <documentation>This will be Depricated in Version 6 - Use Standard
Indicates a NET value or measurement from 15 degrees C or 60 Degrees C</documentation>
```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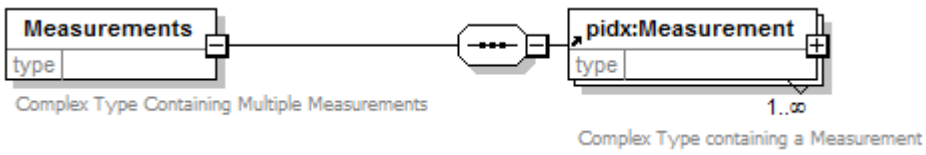
```
      </annotation>
    </enumeration>
    <enumeration value="Test">
      <annotation>
        <documentation>This will be Depricated in Version 6 - Use Standard

Test is measured from a different temperature reading other than 15 C or 60 F</documentation>
      </annotation>
    </enumeration>
    <enumeration value="Transaction">
      <annotation>
        <documentation>This will be Depricated in Version 6 - Use Ambient
Transactional temperature reading</documentation>
      </annotation>
    </enumeration>
  </restriction>
 </simpleType>
</element>
```

element **MeasurementReference**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Measurement**
annotation	documentation Used for Measurement references like a Table Lookup Name
source	<element name="MeasurementReference" type="string"> <annotation> <documentation>Used for Measurement references like a Table Lookup Name</documentation> </annotation> </element>

element **Measurements**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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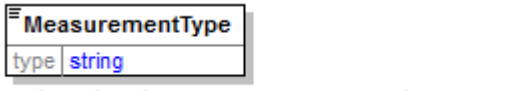
properties	content complex
children	**pidx:Measurement**
used by	elements **MeasurementInformation** **PriorToLoad** **Recipe**
annotation	documentation Complex Type Containing Multiple Measurements
source	<element name="Measurements"> <annotation> <documentation>Complex Type Containing Multiple Measurements</documentation> </annotation> <complexType> <sequence> <element ref="pidx:Measurement" maxOccurs="unbounded"/> </sequence> </complexType> </element>

element **MeasurementType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **Measurement**
facets	Kind / Value / Annotation enumeration MeasuredinAir — documentation: Quantity was read from a Meter enumeration MeasuredInVacuum enumeration Calculated — documentation: Measurement was from a calculation enumeration Ordered — documentation: Ordered Measurement, not actual enumeration TableLookup — documentation: Quantity was from a Lookup Table
annotation	documentation Indicates how the measurement was measured - See Enums
source	<element name="MeasurementType"> <annotation> <documentation>Indicates how the measurement was measured - See Enums</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="MeasuredinAir"> <annotation> <documentation>Quantity was read from a Meter</documentation> </annotation>

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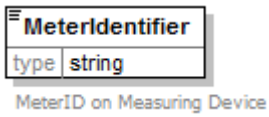
```
      </enumeration>
      <enumeration value="MeasuredInVacuum"/>
      <enumeration value="Calculated">
        <annotation>
          <documentation>Measurement was from a calculation</documentation>
        </annotation>
      </enumeration>
      <enumeration value="Ordered">
        <annotation>
          <documentation>Ordered Measurement, not actual</documentation>
        </annotation>
      </enumeration>
      <enumeration value="TableLookup">
        <annotation>
          <documentation>Quantity was from a Lookup Table</documentation>
        </annotation>
      </enumeration>
    </restriction>
  </simpleType>
</element>
```

element **MeterIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	elements **Product Recipe**
annotation	documentation MeterID on Measuring Device
source	<element name="MeterIdentifier" type="string"> <annotation> <documentation>MeterID on Measuring Device</documentation> </annotation> </element>

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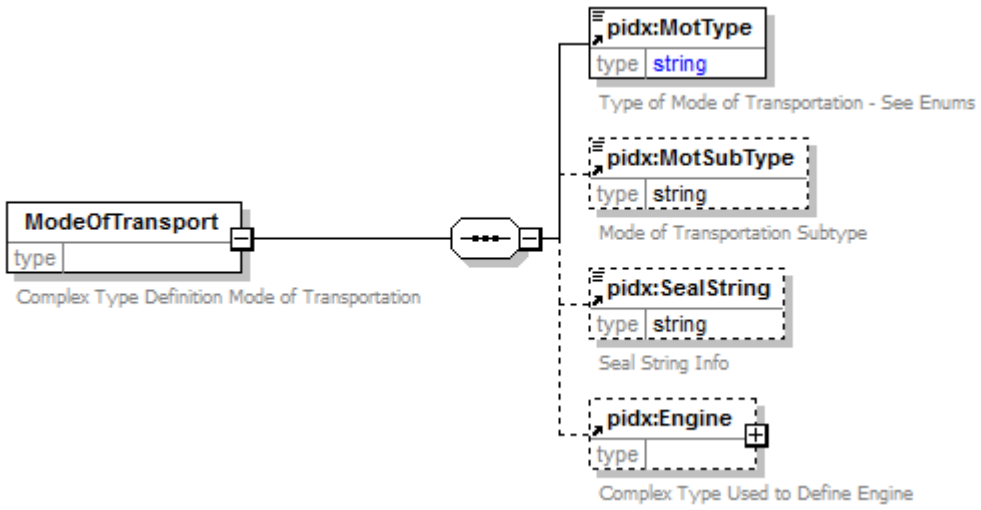
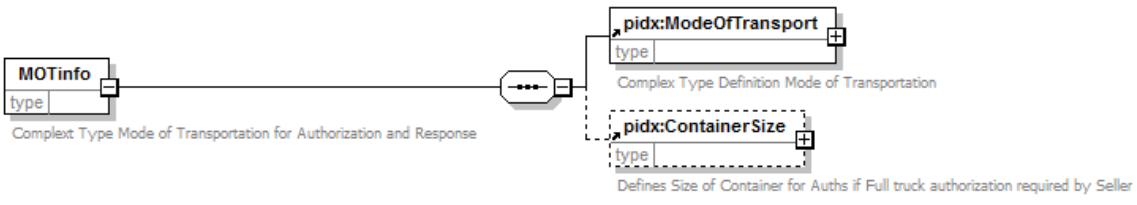
element **ModeOfTransport**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:MotType pidx:MotSubType pidx:SealString pidx:Engine**
used by	elements **MOTinfo Transport**
annotation	documentation Complex Type Definition Mode of Transportation

source

```
<element name="ModeOfTransport">
 <annotation>
  <documentation>Complex Type Definition Mode of Transportation</documentation>
 </annotation>
 <complexType>
  <sequence>
   <element ref="pidx:MotType"/>
   <element ref="pidx:MotSubType" minOccurs="0"/>
   <element ref="pidx:SealString" minOccurs="0"/>
   <element ref="pidx:Engine" minOccurs="0"/>
  </sequence>
 </complexType>
</element>
```

element **MOTinfo**

diagram	

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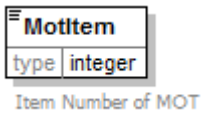
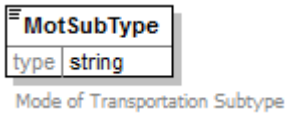
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:ModeOfTransport** **pidx:ContainerSize**
used by	element **AuthTransport**
annotation	documentation Complext Type Mode of Transportation for Authorization and Response
source	<element name="MOTinfo"> <annotation> <documentation>Complext Type Mode of Transportation for Authorization and Response</documentation> </annotation> <complexType> <sequence> <element ref="pidx:ModeOfTransport"/> <element ref="pidx:ContainerSize" minOccurs="0"/> </sequence> </complexType> </element>

element **MotItem**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**integer**
properties	content simple
used by	element **LoadPartIdentification**
annotation	documentation Item Number of MOT
source	<element name="MotItem" type="integer"> <annotation> <documentation>Item Number of MOT</documentation> </annotation> </element>

element **MotSubType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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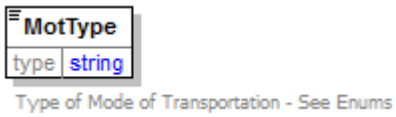
type	**string**
properties	content simple
used by	element **ModeOfTransport**
annotation	documentation Mode of Transportation Subtype
source	<element name="MotSubType" type="string"> <annotation> <documentation>Mode of Transportation Subtype</documentation> </annotation> </element>

element **MotType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple default Truck
used by	element **ModeOfTransport**
facets	Kind Value Annotation enumeration Truck documentation Truck Based MOT enumeration Rail documentation Railroad car based MOT enumeration Barge documentation Barge based MOT enumeration Pipeline documentation Pipeline base MOT enumeration StorageTank documentation StorageTank based MOT enumeration Vessel documentation Vessel based MOT enumeration BookTransfer documentation Book Transfer Based MOT enumeration Container documentation Generic Container based MOT
annotation	documentation Type of Mode of Transportation - See Enums
source	<element name="MotType" default="Truck"> <annotation> <documentation>Type of Mode of Transportation - See Enums</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="Truck"> <annotation> <documentation>Truck Based MOT</documentation>

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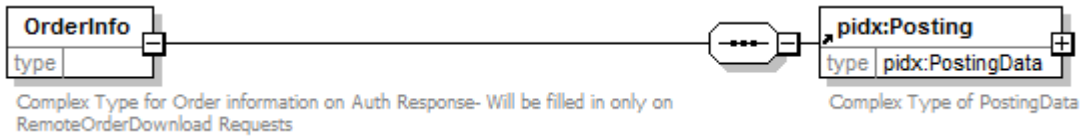
```
        </annotation>
      </enumeration>
      <enumeration value="Rail">
        <annotation>
          <documentation>Railroad car based MOT</documentation>
        </annotation>
      </enumeration>
      <enumeration value="Barge">
        <annotation>
          <documentation>Barge based MOT</documentation>
        </annotation>
      </enumeration>
      <enumeration value="Pipeline">
        <annotation>
          <documentation>Pipeline base MOT</documentation>
        </annotation>
      </enumeration>
      <enumeration value="StorageTank">
        <annotation>
          <documentation>StorageTank based MOT</documentation>
        </annotation>
      </enumeration>
      <enumeration value="Vessel">
        <annotation>
          <documentation>Vessel based MOT</documentation>
        </annotation>
      </enumeration>
      <enumeration value="BookTransfer">
        <annotation>
          <documentation>Book Transfer Based MOT</documentation>
        </annotation>
      </enumeration>
      <enumeration value="Container">
        <annotation>
          <documentation>Generic Container based MOT </documentation>
        </annotation>
      </enumeration>
    </restriction>
  </simpleType>
</element>
```

element **OrderInfo**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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properties	content complex
children	**pidx:Posting**
used by	complexType **AuthResponseData**
annotation	documentation Complex Type for Order information on Auth Response- Will be filled in only on RemoteOrderDownload Requests
source	<element name="OrderInfo"> <annotation> <documentation>Complex Type for Order information on Auth Response- Will be filled in only on RemoteOrderDownload Requests</documentation> </annotation> <complexType> <sequence> <element ref="pidx:Posting"/> </sequence> </complexType> </element>

element **OrderNumber**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **PlannedLifting**
annotation	documentation Order Number on Authorization Request
source	<element name="OrderNumber" type="string"> <annotation> <documentation>Order Number on Authorization Request</documentation> </annotation> </element>

element **PartnerIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**

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properties	content simple
used by	complexType **PartnerInformation**
annotation	documentation Parnter Identifier
source	<element name="PartnerIdentifier" type="string"> <annotation> <documentation>Parnter Identifier </documentation> </annotation> </element>

element **PartnerName**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation Partner Name
source	<element name="PartnerName" type="string"> <annotation> <documentation>Partner Name</documentation> </annotation> </element>

element **PartnerRoleIndicator**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	complexType **PartnerRoleInformation**
facets	Kind / Value / Annotation enumeration Seller — documentation: PIDX Assigned Value - Used to Indicate the Seller/Supplier of the Product. enumeration Consignee — documentation: Supplier Value for Buyer - Value assigned at terminal for the Buyers account. enumeration FinalShipper

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	enumeration	TerminalOwner	documentation PIDX Seller Code for Terminal Owner
	enumeration	ThirdParty	documentation Third Party - This is the Supplier selling product to the Seller on the BOL. The PartnerIdentifier should be PIDX Seller code. This is also known in some cases as StorageLocation.
	enumeration	SoldToParty	documentation ERP Value - Seller SoldTo
	enumeration	ShipToParty	documentation ERP Value - Seller Ship To
	enumeration	TaxToParty	documentation ERP Value - Tax Party specifyed in ERP System
	enumeration	BillToParty	documentation ERP Value - Code specifying Bill To Party
	enumeration	TransportCompany	documentation ERP Code - Vendor Code for Transportation Company Transport Company may contain this same value, so it may not need to be specified in Party section.
	enumeration	TransportInitiator	documentation ERP Code - Transport Initiator for Vessel transport of product
	enumeration	ExportToParty	documentation ERP Code - Used to specify Export Duties to
	enumeration	DistributorParty	documentation EPR Code - Distributor/Reseller Party
	enumeration	StockOwner	documentation StockOwner final product owner at terminal.
	enumeration	SupplyToParty	documentation Not sure??
	enumeration	FreightDocToParty	documentation Freight To Party - Indicates who is picking up freight charges (ERP Code)
	enumeration	RailstationToParty	documentation Rail Station Party - Not sure??
	enumeration	DestinationParty	documentation TAS/ERP Value for DAS Detail - Indicated is Drop location of Product
	enumeration	DataServices	documentation Clearing House - data services conduit
	enumeration	Payor	
	enumeration	Agent	
	enumeration	Surveyor	
	enumeration	DUNSNumber	documentation Dun and Bradstreet Number - Data Universal Numbering System
	enumeration	MPKSPartnerCode	
	enumeration	GXSPartnerCode	
	enumeration	CPDPPartnerCode	
	enumeration	Other	
annotation	documentation Indicates Partner Role In transaction for Party - See Enums		

source

```
<element name="PartnerRoleIndicator">
 <annotation>
  <documentation>Indicates Partner Role In transaction for Party - See Enums</documentation>
 </annotation>
 <simpleType>
  <restriction base="string">
   <enumeration value="Seller">
    <annotation>
     <documentation>PIDX Assigned Value - Used to Indicate the Seller/Supplier of the Product.
</documentation>
```


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```
      </annotation>
    </enumeration>
    <enumeration value="Consignee">
      <annotation>
        <documentation>Supplier Value for Buyer - Value assigned at terminal for the Buyers
account.</documentation>
      </annotation>
    </enumeration>
    <enumeration value="FinalShipper"/>
    <enumeration value="TerminalOwner">
      <annotation>
        <documentation>PIDX Seller Code for Terminal Owner</documentation>
      </annotation>
    </enumeration>
    <enumeration value="ThirdParty">
      <annotation>
        <documentation>Third Party - This is the Supplier selling product to the Seller on the BOL.
The PartnerIdentifier should be PIDX Seller code.  This is also known in some cases as
StorageLocation.</documentation>
      </annotation>
    </enumeration>
    <enumeration value="SoldToParty">
      <annotation>
        <documentation>ERP Value - Seller SoldTo</documentation>
      </annotation>
    </enumeration>
    <enumeration value="ShipToParty">
      <annotation>
        <documentation>ERP Value - Seller Ship To </documentation>
      </annotation>
    </enumeration>
    <enumeration value="TaxToParty">
      <annotation>
        <documentation>ERP Value - Tax Party specifyed in ERP System</documentation>
      </annotation>
    </enumeration>
    <enumeration value="BillToParty">
      <annotation>
        <documentation>ERP Value - Code specifying Bill To Party</documentation>
      </annotation>
    </enumeration>
    <enumeration value="TransportCompany">
      <annotation>
        <documentation>ERP Code -  Vendor Code for Transportation Company  Transport
Company may contain this same value, so it may not need to be specified in Party
section.</documentation>
      </annotation>
    </enumeration>
    <enumeration value="TransportInitiator">
      <annotation>
        <documentation>ERP Code - Transport Initiator for Vessel transport of
```


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```
product</documentation>
      </annotation>
    </enumeration>
    <enumeration value="ExportToParty">
      <annotation>
        <documentation>ERP Code - Used to specify Export Duties to</documentation>
      </annotation>
    </enumeration>
    <enumeration value="DistributorParty">
      <annotation>
        <documentation>EPR Code - Distributor/Reseller Party </documentation>
      </annotation>
    </enumeration>
    <enumeration value="StockOwner">
      <annotation>
        <documentation>StockOwner final product owner at terminal.</documentation>
      </annotation>
    </enumeration>
    <enumeration value="SupplyToParty">
      <annotation>
        <documentation>Not sure??</documentation>
      </annotation>
    </enumeration>
    <enumeration value="FreightDocToParty">
      <annotation>
        <documentation>Freight To Party - Indicates who is picking up freight charges (ERP
Code)</documentation>
      </annotation>
    </enumeration>
    <enumeration value="RailstationToParty">
      <annotation>
        <documentation>Rail Station Party - Not sure??</documentation>
      </annotation>
    </enumeration>
    <enumeration value="DestinationParty">
      <annotation>
        <documentation>TAS/ERP Value for DAS Detail - Indicated is Drop location of
Product</documentation>
      </annotation>
    </enumeration>
    <enumeration value="DataServices">
      <annotation>
        <documentation>Clearing House - data services conduit</documentation>
      </annotation>
    </enumeration>
    <enumeration value="Payor"/>
    <enumeration value="Agent"/>
    <enumeration value="Surveyor"/>
    <enumeration value="DUNSNumber">
      <annotation>
        <documentation>Dun and Bradstreet Number - Data Universal Numbering
```


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	System</documentation> </annotation> </enumeration> <enumeration value="MPKSPartnerCode"/> <enumeration value="GXSPartnerCode"/> <enumeration value="CPDPPartnerCode"/> <enumeration value="Other"/> </restriction> </simpleType> </element>

element **Partners**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:Party**
used by	complexType **PostingData**
annotation	documentation Header Partners
source	<element name="Partners"> <annotation> <documentation>Header Partners</documentation> </annotation> <complexType> <sequence> <element ref="pidx:Party" minOccurs="0" maxOccurs="unbounded"/> </sequence> </complexType> </element>

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element **Party**

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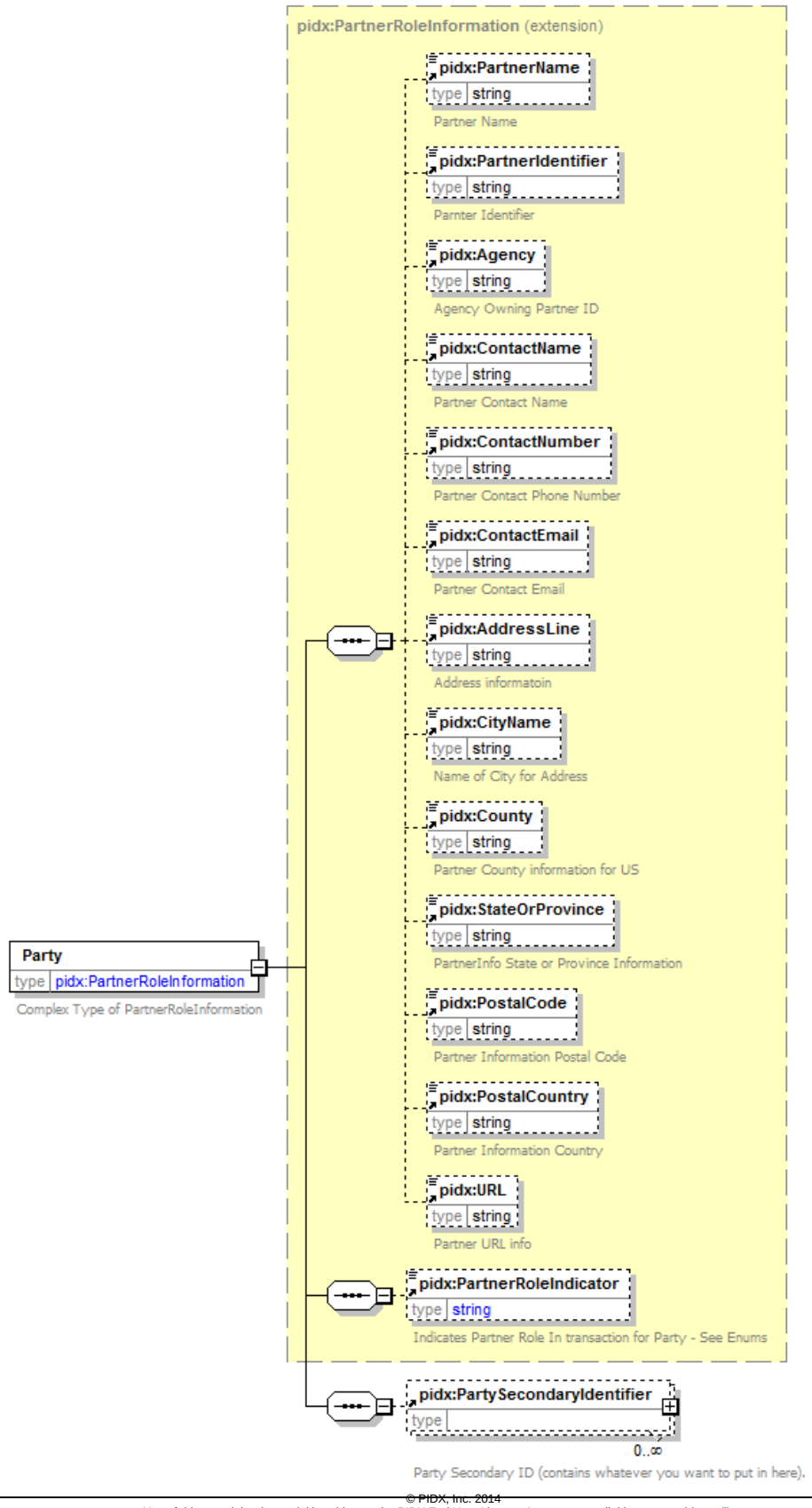
diagram



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namespace	http://www.pidx.org/schema/ds/v5.01
type	extension of **pidx:PartnerRoleInformation**
properties	content complex
children	**pidx:PartnerName** **pidx:PartnerIdentifier** **pidx:Agency** **pidx:ContactName** **pidx:ContactNumber** **pidx:ContactEmail** **pidx:AddressLine** **pidx:CityName** **pidx:County** **pidx:StateOrProvince** **pidx:PostalCode** **pidx:PostalCountry** **pidx:URL** **pidx:PartnerRoleIndicator** **pidx:PartySecondaryIdentifier**
used by	elements **DetailPartners** **Partners**
annotation	documentation Complex Type of PartnerRoleInformation
source	<element name="Party"> <annotation> <documentation>Complex Type of PartnerRoleInformation</documentation> </annotation> <complexType> <complexContent> <extension base="pidx:PartnerRoleInformation"> <sequence> <element ref="pidx:PartySecondaryIdentifier" minOccurs="0" maxOccurs="unbounded"/> </sequence> </extension> </complexContent> </complexType> </element>

element **PartyIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **PartySecondaryIdentifier**
annotation	documentation Party ID
source	<element name="PartyIdentifier" type="string"> <annotation> <documentation>Party ID</documentation> </annotation> </element>

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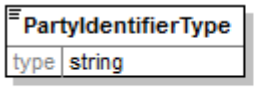
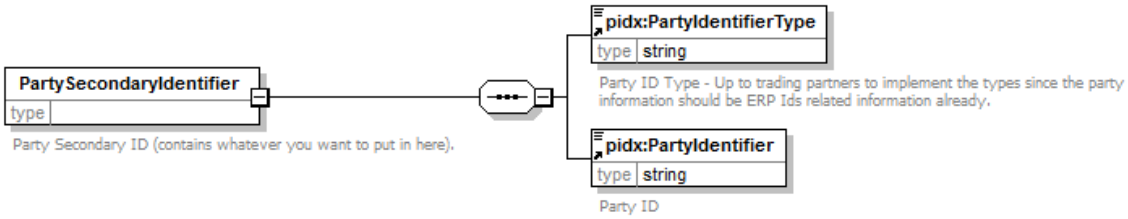
element **PartyIdentifierType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **PartySecondaryIdentifier**
annotation	documentation Party ID Type - Up to trading partners to implement the types since the party information should be ERP Ids related information already.
source	<element name="PartyIdentifierType" type="string"> <annotation> <documentation>Party ID Type - Up to trading partners to implement the types since the party information should be ERP Ids related information already.</documentation> </annotation> </element>

element **PartySecondaryIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:PartyIdentifierType** **pidx:PartyIdentifier**
used by	element **Party**
annotation	documentation Party Secondary ID (contains whatever you want to put in here).
source	<element name="PartySecondaryIdentifier"> <annotation> <documentation>Party Secondary ID (contains whatever you want to put in here).</documentation> </annotation> <complexType> <sequence> <element ref="pidx:PartyIdentifierType"/> <element ref="pidx:PartyIdentifier"/> </sequence>

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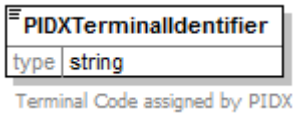
	</complexType> </element>

element **PIDXProductID**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
annotation	documentation PIDX Product Code
source	<element name="PIDXProductID" type="string"> <annotation> <documentation>PIDX Product Code</documentation> </annotation> </element>

element **PIDXTerminalIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location**
annotation	documentation Terminal Code assigned by PIDX
source	<element name="PIDXTerminalIdentifier" type="string"> <annotation> <documentation>Terminal Code assigned by PIDX</documentation> </annotation> </element>

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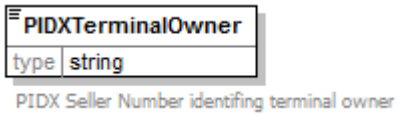
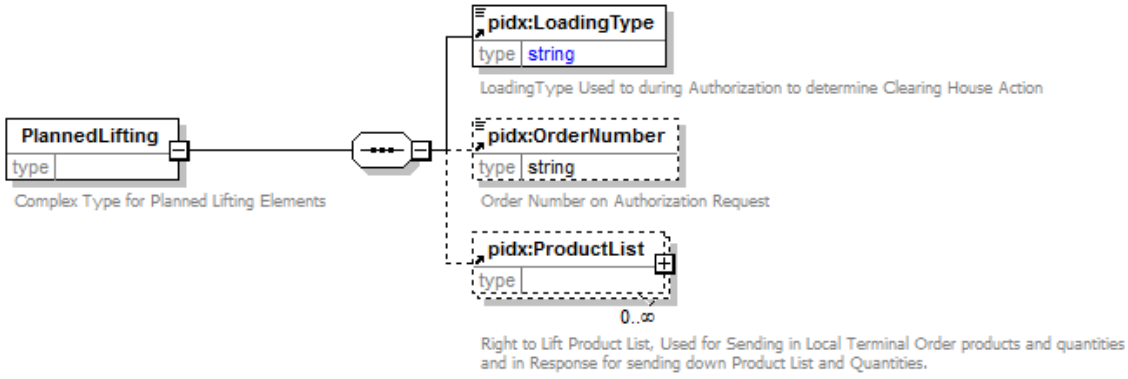
element **PIDXTerminalOwner**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location**
annotation	documentation PIDX Seller Number identifing terminal owner
source	<element name="PIDXTerminalOwner" type="string"> <annotation> <documentation>PIDX Seller Number identifing terminal owner</documentation> </annotation> </element>

element **PlannedLifting**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:LoadingType** **pidx:OrderNumber** **pidx:ProductList**
used by	complexType **AuthRequestData**
annotation	documentation Complex Type for Planned Lifting Elements
source	<element name="PlannedLifting"> <annotation> <documentation>Complex Type for Planned Lifting Elements</documentation> </annotation> <complexType> <sequence> <element ref="pidx:LoadingType"/>

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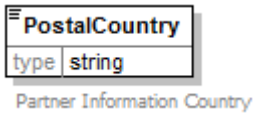
	<element ref="pidx:OrderNumber" minOccurs="0"/> <element ref="pidx:ProductList" minOccurs="0" maxOccurs="unbounded"/> </sequence> </complexType> </element>

element **PostalCode**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation Partner Information Postal Code
source	<element name="PostalCode" type="string"> <annotation> <documentation>Partner Information Postal Code</documentation> </annotation> </element>

element **PostalCountry**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation Partner Information Country
source	<element name="PostalCountry" type="string"> <annotation> <documentation>Partner Information Country</documentation> </annotation> </element>

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element **Posting**

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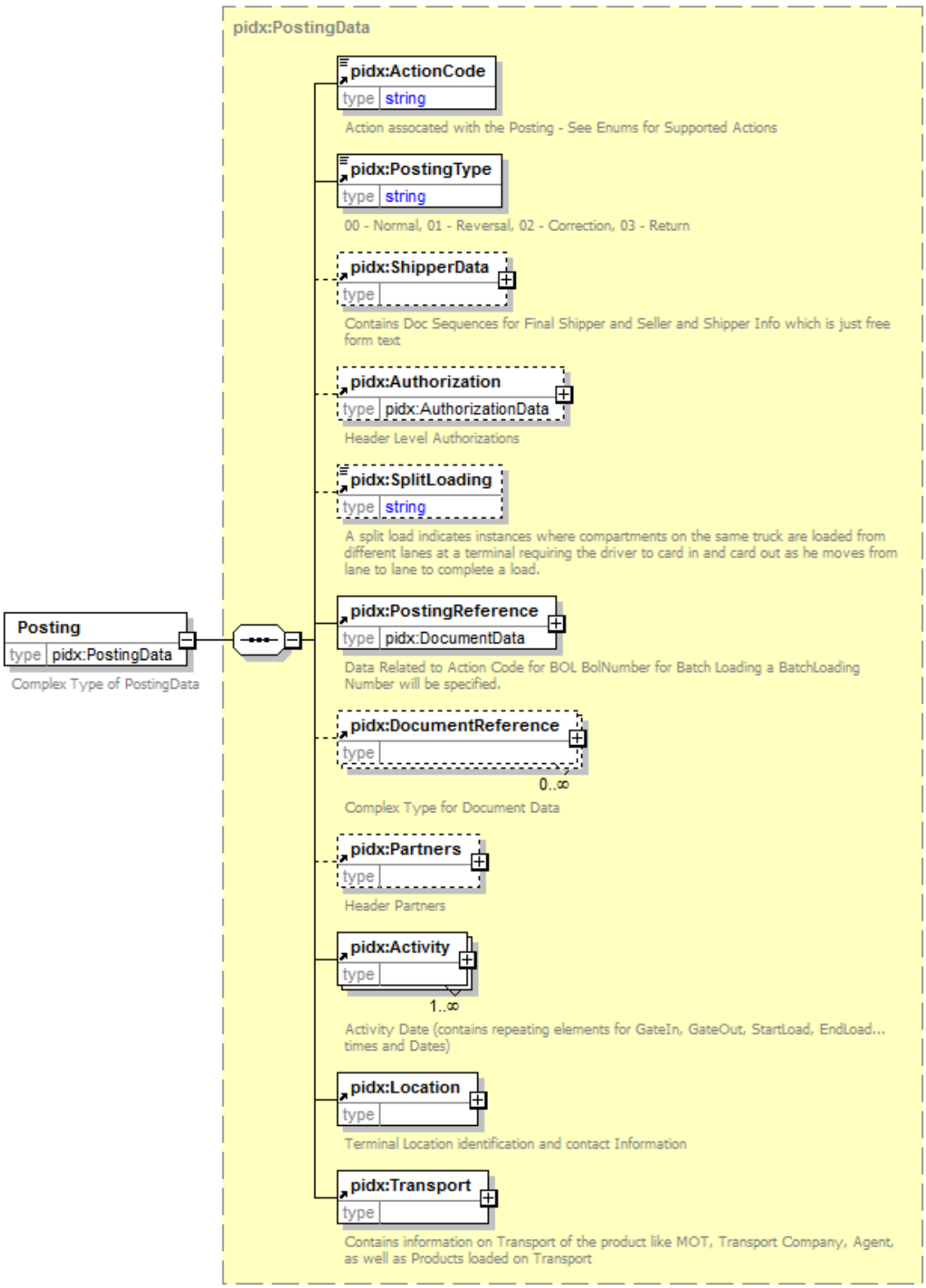
diagram



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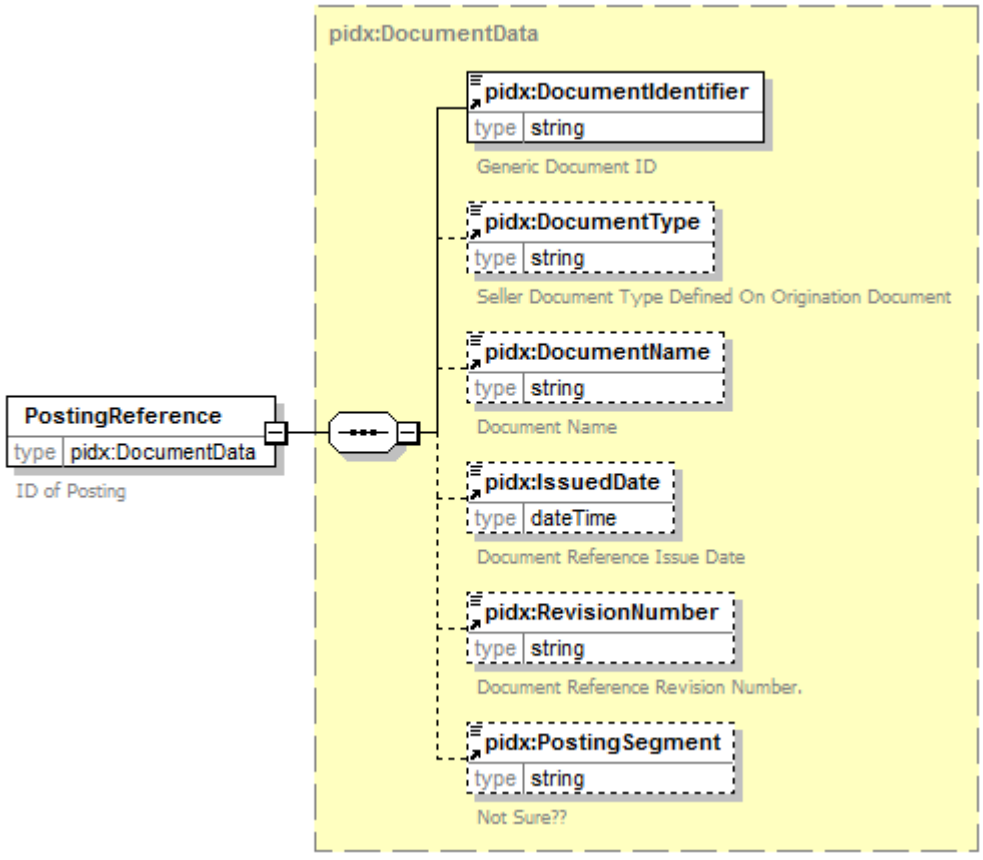
namespace	http://www.pidx.org/schema/ds/v5.01
type	**pidx:PostingData**
properties	content complex
children	**pidx:ActionCode** **pidx:PostingType** **pidx:ShipperData** **pidx:Authorization** **pidx:SplitLoading** **pidx:PostingReference** **pidx:DocumentReference** **pidx:Partners** **pidx:Activity** **pidx:Location** **pidx:Transport**
used by	elements **Body** **OrderInfo**
annotation	documentation Complex Type of PostingData
source	<element name="Posting" type="pidx:PostingData"> <annotation> <documentation>Complex Type of PostingData</documentation> </annotation> </element>

element **PostingReference**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**pidx:DocumentData**

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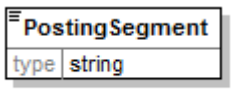
properties	content complex
children	pidx:DocumentIdentifier pidx:DocumentType pidx:DocumentName pidx:IssuedDate pidx:RevisionNumber pidx:PostingSegment
used by	complexType PostingData
annotation	documentation ID of Posting
source	<element name="PostingReference" type="pidx:DocumentData"> <annotation> <documentation>ID of Posting</documentation> </annotation> </element>

element **PostingReferenceDetail**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**short**
properties	content simple
used by	element Compartment
annotation	documentation Line Item of Posting
source	<element name="PostingReferenceDetail" type="short"> <annotation> <documentation>Line Item of Posting</documentation> </annotation> </element>

element **PostingSegment**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	complexType DocumentData
annotation	documentation Not Sure??
source	<element name="PostingSegment" type="string">

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```
  <annotation>
    <documentation>Not Sure??</documentation>
  </annotation>
</element>
```

element **PostingType**

diagram

namespace: http://www.pidx.org/schema/ds/v5.01

type: restriction of **string**

properties:
content simple
default 00

used by: complexType **PostingData**

facets:

Kind	Value	Annotation
enumeration	00	documentation Normal Posting
enumeration	01	documentation Reversal Posting
enumeration	02	documentation Correction Posting
enumeration	03	documentation Return Posting

annotation:
documentation
Posting Type For Example New, Cancel, Correction

source

```
<element name="PostingType" default="00">
  <annotation>
    <documentation>Posting Type For Example New, Cancel, Correction</documentation>
  </annotation>
  <simpleType>
    <restriction base="string">
      <enumeration value="00">
        <annotation>
          <documentation>Normal Posting</documentation>
        </annotation>
      </enumeration>
      <enumeration value="01">
        <annotation>
          <documentation>Reversal Posting</documentation>
        </annotation>
      </enumeration>
      <enumeration value="02">
        <annotation>
          <documentation>Correction Posting</documentation>
        </annotation>
      </enumeration>
      <enumeration value="03">
        <annotation>
```


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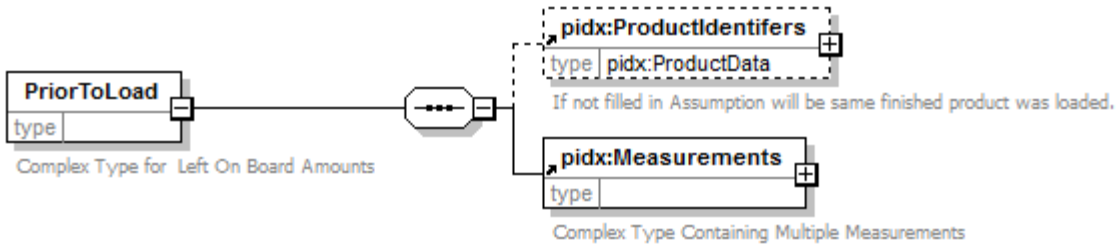
	<documentation>Return Posting</documentation> </annotation> </enumeration> </restriction> </simpleType> </element>

element **PriorToLoad**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:ProductIdentifers** **pidx:Measurements**
used by	element **Compartment**
annotation	documentation Complex Type for Left On Board Amounts
source	<element name="PriorToLoad"> <annotation> <documentation>Complex Type for Left On Board Amounts</documentation> </annotation> <complexType> <sequence> <element ref="pidx:ProductIdentifers" minOccurs="0"> <annotation> <documentation>If not filled in Assumption will be same finished product was loaded.</documentation> </annotation> </element> <element ref="pidx:Measurements"/> </sequence> </complexType> </element>

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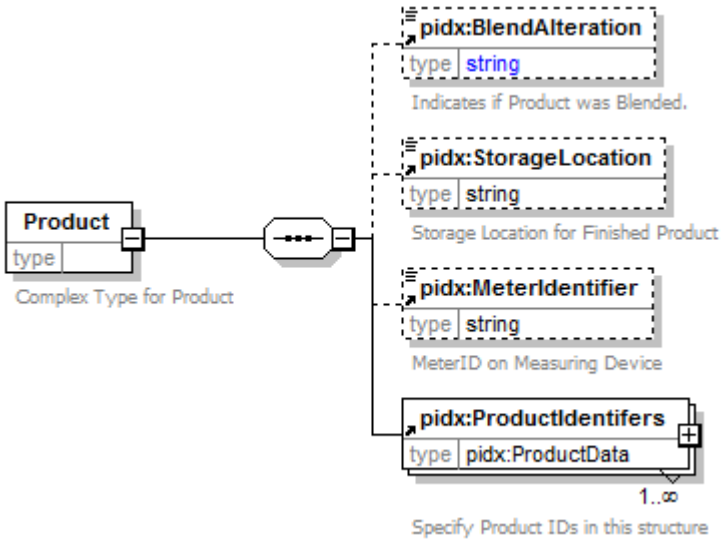
element **Product**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:BlendAlteration** **pidx:StorageLocation** **pidx:MeterIdentifier** **pidx:ProductIdentifers**
used by	elements **Compartment** **ProductList**
annotation	documentation Complex Type for Product
source	<element name="Product"> <annotation> <documentation>Complex Type for Product</documentation> </annotation> <complexType> <sequence> <element ref="pidx:BlendAlteration" minOccurs="0"/> <element ref="pidx:StorageLocation" minOccurs="0"/> <element ref="pidx:MeterIdentifier" minOccurs="0"/> <element ref="pidx:ProductIdentifers" maxOccurs="unbounded"> <annotation> <documentation>Specify Product IDs in this structure</documentation> </annotation> </element> </sequence> </complexType> </element>

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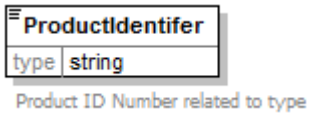
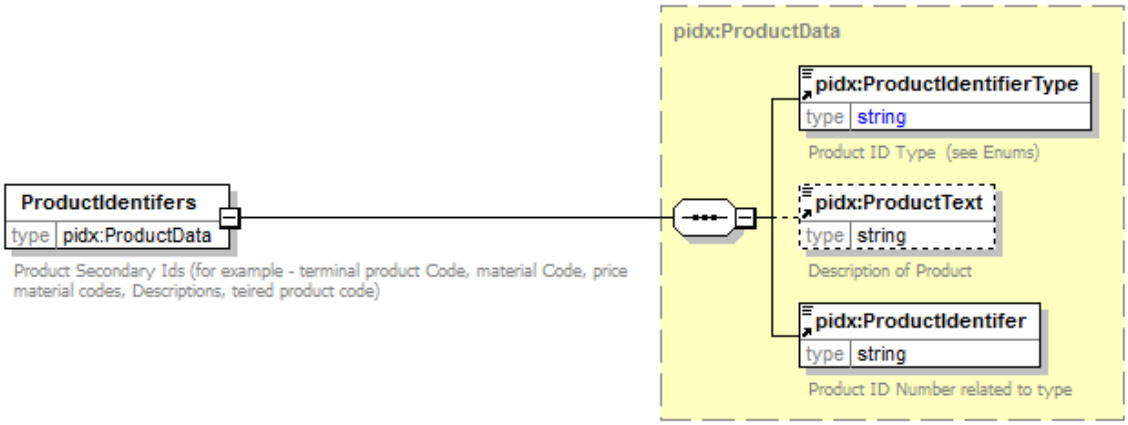
element **ProductIdentifer**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	complexType **ProductData**
annotation	documentation Product ID Number related to type
source	<element name="ProductIdentifer" type="string"> <annotation> <documentation>Product ID Number related to type</documentation> </annotation> </element>

element **ProductIdentifers**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**pidx:ProductData**
properties	content complex
children	**pidx:ProductIdentifierType** **pidx:ProductText** **pidx:ProductIdentifer**
used by	elements **PriorToLoad** **Product**
annotation	documentation Product Secondary Ids (for example - terminal product Code, material Code, price material codes, Descriptions, teired product code)
source	<element name="ProductIdentifers" type="pidx:ProductData"> <annotation> <documentation>Product Secondary Ids (for example - terminal product Code, material Code, price material codes, Descriptions, teired product code)</documentation>

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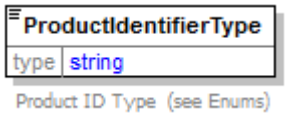
	</annotation> </element>

element **ProductIdentifierType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	complexType **ProductData**
facets	Kind Value Annotation enumeration PIDXProductID enumeration TerminalProductID documentation Terminal Specific Product Identifier enumeration MaterialCode documentation Seller Specific Product Identifier enumeration GlobalCatalogProduct documentation PIDX Attribute Based Product Identifier
annotation	documentation Product ID Type (see Enums)
source	<element name="ProductIdentifierType"> <annotation> <documentation>Product ID Type (see Enums)</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="PIDXProductID"/> <enumeration value="TerminalProductID"> <annotation> <documentation>Terminal Specific Product Identifier</documentation> </annotation> </enumeration> <enumeration value="MaterialCode"> <annotation> <documentation>Seller Specific Product Identifier</documentation> </annotation> </enumeration> <enumeration value="GlobalCatalogProduct"> <annotation> <documentation>PIDX Attribute Based Product Identifier</documentation> </annotation> </enumeration> </restriction> </simpleType> </element>

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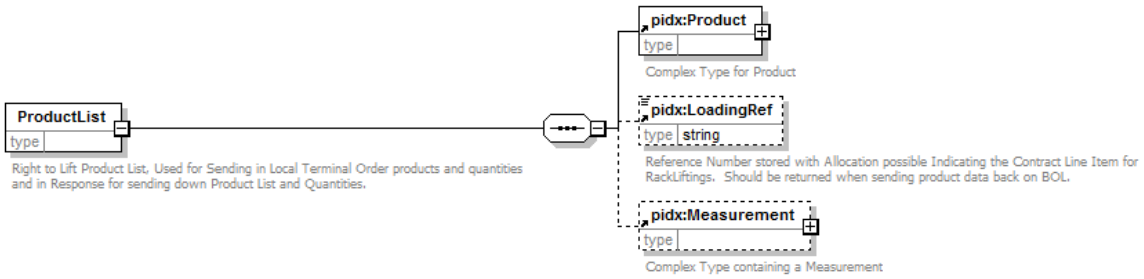
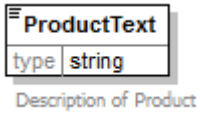
element **ProductList**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:Product pidx:LoadingRef pidx:Measurement**
used by	element **PlannedLifting** complexType **AuthResponseData**
annotation	documentation Right to Lift Product List, Used for Sending in Local Terminal Order products and quantities and in Response for sending down Product List and Quantities.
source	<element name="ProductList"> <annotation> <documentation>Right to Lift Product List, Used for Sending in Local Terminal Order products and quantities and in Response for sending down Product List and Quantities.</documentation> </annotation> <complexType> <sequence> <element ref="pidx:Product"/> <element ref="pidx:LoadingRef" minOccurs="0"/> <element ref="pidx:Measurement" minOccurs="0"/> </sequence> </complexType> </element>

element **ProductText**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	complexType **ProductData**
annotation	documentation Description of Product

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source	<element name="ProductText" type="string"> <annotation> <documentation>Description of Product</documentation> </annotation> </element>

element **Quantity**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**decimal**
properties	content simple
used by	elements **Measurement TaxDetail**
annotation	documentation Quantity UOM of Quantity is typically another field
source	<element name="Quantity" type="decimal"> <annotation> <documentation>Quantity UOM of Quantity is typically another field</documentation> </annotation> </element>

element **QuantityUnit**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
annotation	documentation Tax Quantity Unit (not sure if we should us same Units Enum list as specified in Measurements??)
source	<element name="QuantityUnit" type="string"> <annotation> <documentation>Tax Quantity Unit (not sure if we should us same Units Enum list as specified in Measurements??)</documentation> </annotation> </element>

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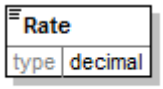
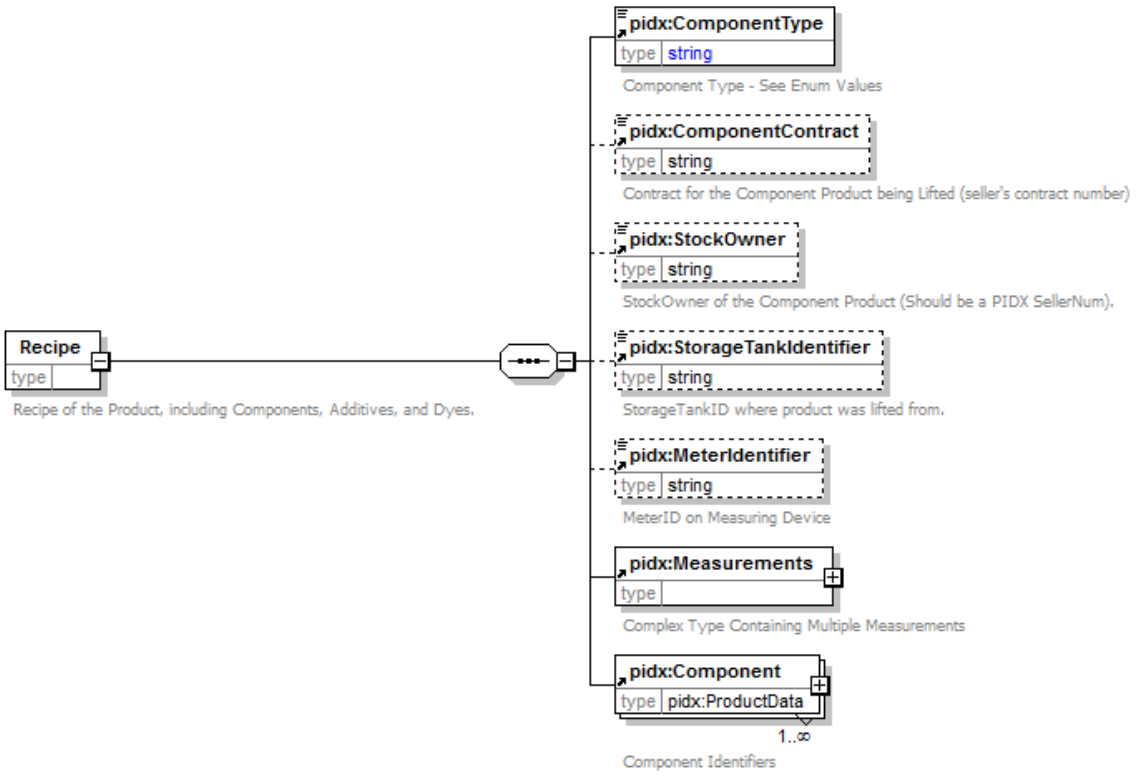
element **Rate**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**decimal**
properties	content simple
used by	element **TaxDetail**
annotation	documentation Tax Rate
source	<element name="Rate" type="decimal"> <annotation> <documentation>Tax Rate</documentation> </annotation> </element>

element **Recipe**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex

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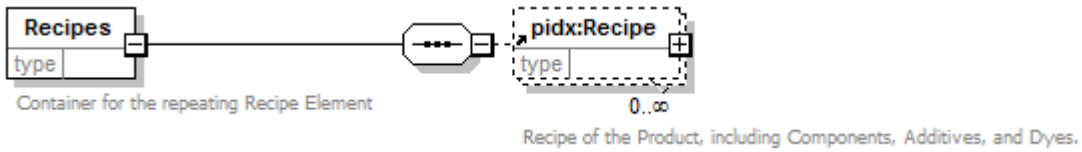
children	pidx:ComponentType pidx:ComponentContract pidx:StockOwner pidx:StorageTankIdentifier pidx:MeterIdentifier pidx:Measurements pidx:Component
used by	element Recipes
annotation	documentation Recipe of the Product, including Components, Additives, and Dyes.
source	<element name="Recipe"> <annotation> <documentation>Recipe of the Product, including Components, Additives, and Dyes.</documentation> </annotation> <complexType> <sequence> <element ref="pidx:ComponentType"/> <element ref="pidx:ComponentContract" minOccurs="0"/> <element ref="pidx:StockOwner" minOccurs="0"/> <element ref="pidx:StorageTankIdentifier" minOccurs="0"/> <element ref="pidx:MeterIdentifier" minOccurs="0"/> <element ref="pidx:Measurements"/> <element ref="pidx:Component" maxOccurs="unbounded"/> </sequence> </complexType> </element>

element **Recipes**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	pidx:Recipe
used by	element MeasurementInformation
annotation	documentation Container for the repeating Recipe Element
source	<element name="Recipes"> <annotation> <documentation>Container for the repeating Recipe Element</documentation> </annotation> <complexType> <sequence> <element ref="pidx:Recipe" minOccurs="0" maxOccurs="unbounded"/> </sequence> </complexType> </element>

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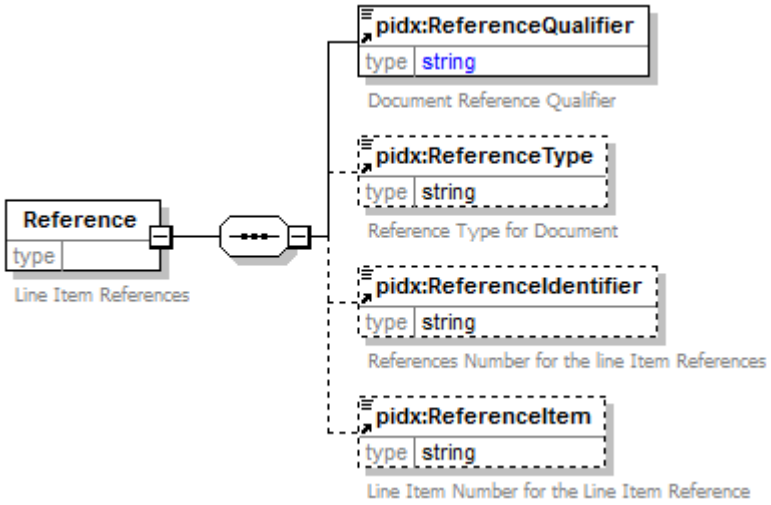
element **Reference**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	pidx:ReferenceQualifier pidx:ReferenceType pidx:ReferenceIdentifier pidx:ReferenceItem
used by	element Compartment
annotation	documentation Line Item References
source	<element name="Reference"> <annotation> <documentation>Line Item References</documentation> </annotation> <complexType> <sequence> <element ref="pidx:ReferenceQualifier"/> <element ref="pidx:ReferenceType" minOccurs="0"/> <element ref="pidx:ReferenceIdentifier" minOccurs="0"/> <element ref="pidx:ReferenceItem" minOccurs="0"/> </sequence> </complexType> </element>

element **ReferenceIdentifier**

diagram	

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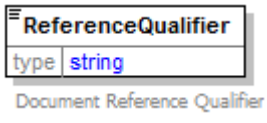
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Reference**
annotation	documentation References Number for the line Item References
source	<element name="ReferenceIdentifier" type="string"> <annotation> <documentation>References Number for the line Item References</documentation> </annotation> </element>

element **ReferenceItem**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Reference**
annotation	documentation Line Item Number for the Line Item Reference
source	<element name="ReferenceItem" type="string"> <annotation> <documentation>Line Item Number for the Line Item Reference</documentation> </annotation> </element>

element **ReferenceQualifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **Reference**
facets	Kind: enumeration — Value: LoadId — Annotation: documentation: LoadID - ERP or SAP specific LoadID in Ref and Item should specify

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			LIDAddOn or ContractLine Item information.
	enumeration	LIDAddOn	
	enumeration	SalesContract	documentation Ref = Contract Number Item = Contract Line Item
	enumeration	SalesOrder	
	enumeration	PurchaseContract	
	enumeration	PurchaseOrder	
	enumeration	Shipment	
	enumeration	Delivery	documentation Ref = Delivery No Item = Delivery Line Item No
	enumeration	NominationNumberInternal	documentation Nomination Number
	enumeration	NominationNumberExternal	documentation Nomination Number
	enumeration	CustomerReference	documentation Customer Reference ERP numbers from Orders
	enumeration	EMCSARCNumber	documentation EMCS Specific Data - Europe
	enumeration	EMCSLRNumber	documentation EMCS Specific Data - Europe
	enumeration	EMCSExciseProdCode	documentation EMCS Specific Data - Europe
	enumeration	EMCSWaiverCode	documentation EMCS Specific Data - Europe
	enumeration	EMCSDeliveryPlaceCode	documentation EMCS Specific Data - Europe
	enumeration	ShippingPoint	documentation Shipping Point - Specifies distinct Pickup Location at a terminal if more than one loading rack at a terminal.
	enumeration	LoadingRef	documentation Copy LoadingRef back in AuthResponse for Product loaded, if no LoadingRef leave passed back in response do not fill out.
	enumeration	Notes	documentation Loading notes - Ref = Notes - Item = Line Number of note, or ordering of of each line.
	enumeration	Other	documentation Information use only or partner agreed upon use.
annotation	documentation Document Reference Qualifier		

source

```
<element name="ReferenceQualifier">
 <annotation>
  <documentation>Document Reference Qualifier</documentation>
 </annotation>
 <simpleType>
  <restriction base="string">
   <enumeration value="LoadId">
    <annotation>
     <documentation>LoadID - ERP or SAP specific LoadID in Ref and Item should specify
LIDAddOn or ContractLine Item information.</documentation>
    </annotation>
   </enumeration>
   <enumeration value="LIDAddOn"/>
   <enumeration value="SalesContract">
    <annotation>
     <documentation>Ref = Contract Number Item = Contract Line Item</documentation>
    </annotation>
   </enumeration>
```


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```
<enumeration value="SalesOrder"/>
<enumeration value="PurchaseContract"/>
<enumeration value="PurchaseOrder"/>
<enumeration value="Shipment"/>
<enumeration value="Delivery">
 <annotation>
  <documentation>Ref = Delivery No Item = Delivery Line Item No</documentation>
 </annotation>
</enumeration>
<enumeration value="NominationNumberInternal">
 <annotation>
  <documentation>Nomination Number </documentation>
 </annotation>
</enumeration>
<enumeration value="NominationNumberExternal">
 <annotation>
  <documentation>Nomination Number</documentation>
 </annotation>
</enumeration>
<enumeration value="CustomerReference">
 <annotation>
  <documentation>Customer Reference ERP numbers from Orders</documentation>
 </annotation>
</enumeration>
<enumeration value="EMCSARCNumber">
 <annotation>
  <documentation>EMCS Specific Data - Europe</documentation>
 </annotation>
</enumeration>
<enumeration value="EMCSLRNumber">
 <annotation>
  <documentation>EMCS Specific Data - Europe</documentation>
 </annotation>
</enumeration>
<enumeration value="EMCSExciseProdCode">
 <annotation>
  <documentation>EMCS Specific Data - Europe</documentation>
 </annotation>
</enumeration>
<enumeration value="EMCSWaiverCode">
 <annotation>
  <documentation>EMCS Specific Data - Europe</documentation>
 </annotation>
</enumeration>
<enumeration value="EMCSDeliveryPlaceCode">
 <annotation>
  <documentation>EMCS Specific Data - Europe</documentation>
 </annotation>
</enumeration>
<enumeration value="ShippingPoint">
 <annotation>
```


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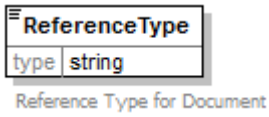
```
        <documentation>Shipping Point - Specifies distinct Pickup Location at a terminal if more than one loading rack at a terminal.</documentation>
      </annotation>
    </enumeration>
    <enumeration value="LoadingRef">
      <annotation>
        <documentation>Copy LoadingRef back in AuthResponse for Product loaded, if no LoadingRef leave passed back in response do not fill out.</documentation>
      </annotation>
    </enumeration>
    <enumeration value="Notes">
      <annotation>
        <documentation>Loading notes - Ref = Notes - Item = Line Number of note, or ordering of of each line.</documentation>
      </annotation>
    </enumeration>
    <enumeration value="Other">
      <annotation>
        <documentation>Information use only or partner agreed upon use.</documentation>
      </annotation>
    </enumeration>
  </restriction>
 </simpleType>
</element>
```

element **ReferenceType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Reference**
annotation	documentation Reference Type for Document
source	<element name="ReferenceType" type="string"> <annotation> <documentation>Reference Type for Document</documentation> </annotation> </element>

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element **RegionCode**

diagram	 Product Region Code, the region code will be set by terminal location if its not set in the Auth/Response or BOL.
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
facets	Kind / Value / Annotation enumeration Africa enumeration Antarctica enumeration Asia enumeration Oceania enumeration Europe enumeration NorthAmerica enumeration SouthAmerica
annotation	documentation Product Region Code, the region code will be set by terminal location if its not set in the Auth/Response or BOL.
source	<element name="RegionCode"> <annotation> <documentation>Product Region Code, the region code will be set by terminal location if its not set in the Auth/Response or BOL.</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="Africa"/> <enumeration value="Antarctica"/> <enumeration value="Asia"/> <enumeration value="Oceania"/> <enumeration value="Europe"/> <enumeration value="NorthAmerica"/> <enumeration value="SouthAmerica"/> </restriction> </simpleType> </element>

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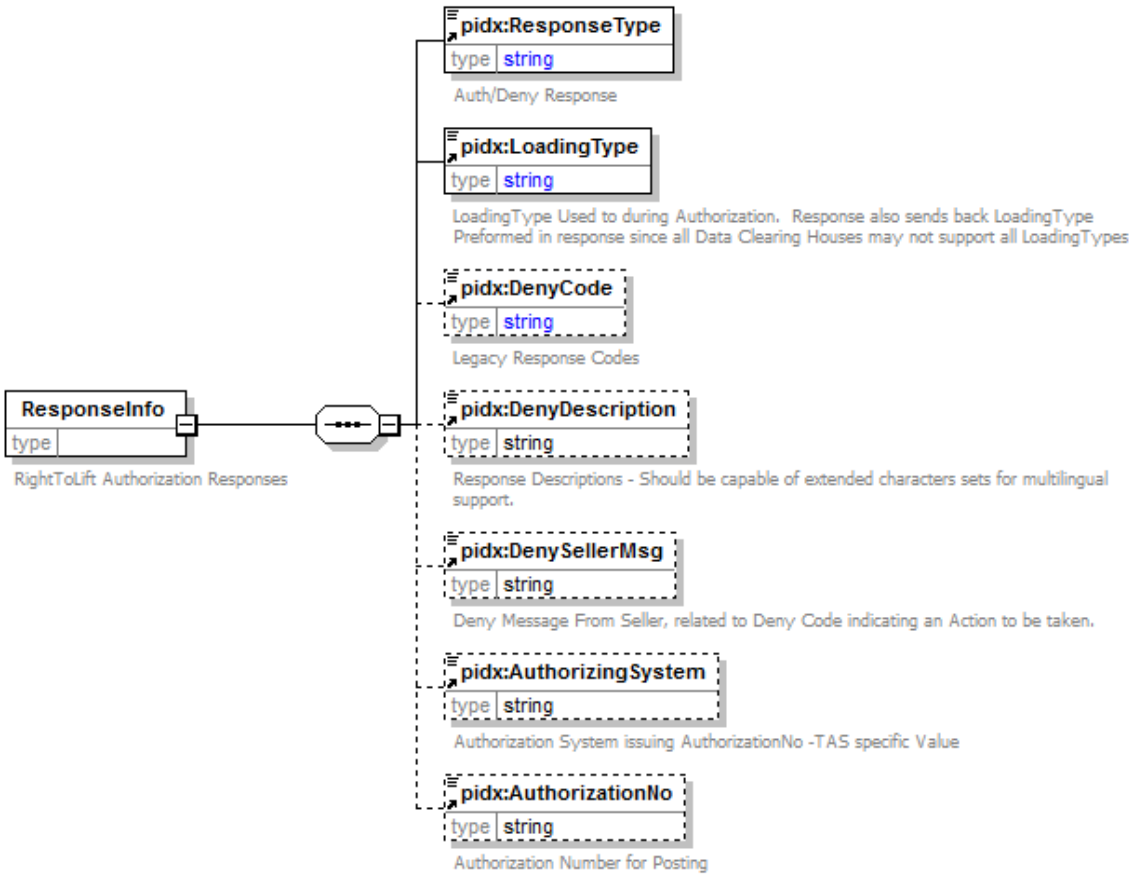
element **ResponseInfo**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:ResponseType** **pidx:LoadingType** **pidx:DenyCode** **pidx:DenyDescription** **pidx:DenySellerMsg** **pidx:AuthorizingSystem** **pidx:AuthorizationNo**
used by	complexType **AuthResponseData**
annotation	documentation RightToLift Authorization Responses
source	<element name="ResponseInfo"> <annotation> <documentation>RightToLift Authorization Responses</documentation> </annotation> <complexType> <sequence> <element ref="pidx:ResponseType"/> <element ref="pidx:LoadingType"> <annotation> <documentation>LoadingType Used to during Authorization. Response also sends back LoadingType Preformed in response since all Data Clearing Houses may not support all LoadingTypes</documentation>

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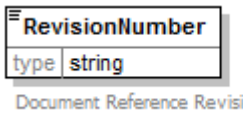
```
      </annotation>
    </element>
    <element ref="pidx:DenyCode" minOccurs="0"/>
    <element ref="pidx:DenyDescription" minOccurs="0"/>
    <element ref="pidx:DenySellerMsg" minOccurs="0"/>
    <element ref="pidx:AuthorizingSystem" minOccurs="0"/>
    <element ref="pidx:AuthorizationNo" minOccurs="0"/>
   </sequence>
  </complexType>
</element>
```

element **ResponseType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **ResponseInfo**
facets	Kind Value Annotation enumeration AUTH enumeration DENY
annotation	documentation Auth/Deny Response
source	<element name="ResponseType"> <annotation> <documentation>Auth/Deny Response</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="AUTH"/> <enumeration value="DENY"/> </restriction> </simpleType> </element>

element **RevisionNumber**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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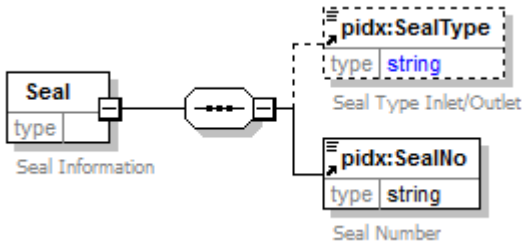
type	**string**
properties	content simple
used by	element **DocumentReference** complexType **DocumentData**
annotation	documentation Document Reference Revision Number.
source	<element name="RevisionNumber" type="string"> <annotation> <documentation>Document Reference Revision Number.</documentation> </annotation> </element>

element **Seal**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:SealType** **pidx:SealNo**
used by	element **Seals**
annotation	documentation Seal Information
source	<element name="Seal"> <annotation> <documentation>Seal Information</documentation> </annotation> <complexType> <sequence> <element ref="pidx:SealType" minOccurs="0"/> <element ref="pidx:SealNo"/> </sequence> </complexType> </element>

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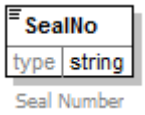
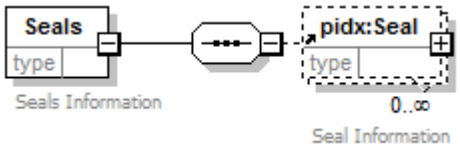
element **SealNo**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Seal**
annotation	documentation Seal Number
source	<element name="SealNo" type="string"> <annotation> <documentation>Seal Number</documentation> </annotation> </element>

element **Seals**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:Seal**
used by	element **Compartment**
annotation	documentation Seals Information
source	<element name="Seals"> <annotation> <documentation>Seals Information</documentation> </annotation> <complexType> <sequence> <element ref="pidx:Seal" minOccurs="0" maxOccurs="unbounded"/> </sequence> </complexType> </element>

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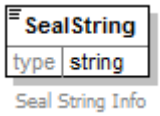
element **SealString**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **ModeOfTransport**
annotation	documentation Seal String Info
source	<element name="SealString" type="string"> <annotation> <documentation>Seal String Info</documentation> </annotation> </element>

element **SealType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **Seal**
annotation	documentation Seal Type Inlet/Outlet
source	<element name="SealType"> <annotation> <documentation>Seal Type Inlet/Outlet</documentation> </annotation> <simpleType> <restriction base="string"/> </simpleType> </element>

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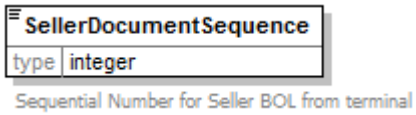
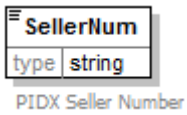
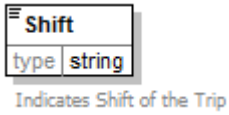
element **SellerDocumentSequence**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**integer**
properties	content simple
used by	element **ShipperData**
annotation	documentation Sequential Number for Seller BOL from terminal
source	<element name="SellerDocumentSequence" type="integer"> <annotation> <documentation>Sequential Number for Seller BOL from terminal</documentation> </annotation> </element>

element **SellerNum**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **AuthParties**
annotation	documentation PIDX Seller Number
source	<element name="SellerNum" type="string"> <annotation> <documentation>PIDX Seller Number</documentation> </annotation> </element>

element **Shift**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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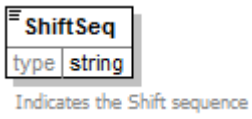
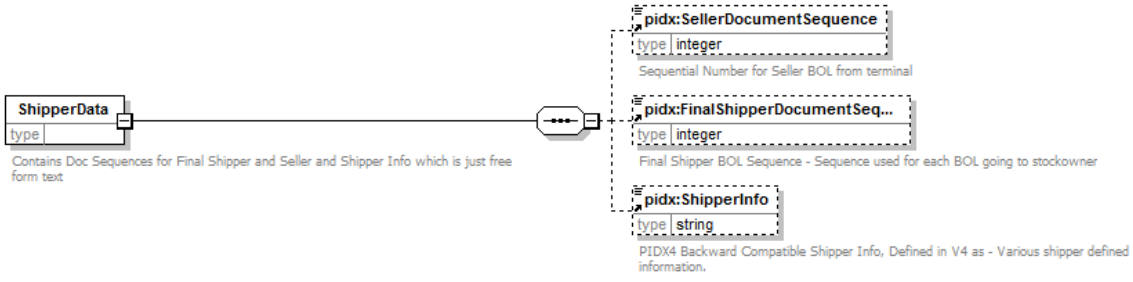
type	**string**
properties	content simple
used by	element **DocumentReference**
annotation	documentation Indicates Shift of the Trip
source	<element name="Shift" type="string"> <annotation> <documentation>Indicates Shift of the Trip</documentation> </annotation> </element>

element **ShiftSeq**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **DocumentReference**
annotation	documentation Indicates the Shift sequence
source	<element name="ShiftSeq" type="string"> <annotation> <documentation>Indicates the Shift sequence</documentation> </annotation> </element>

element **ShipperData**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:SellerDocumentSequence** **pidx:FinalShipperDocumentSequence** **pidx:ShipperInfo**

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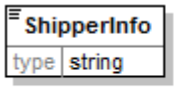
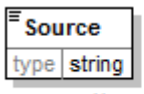
used by	complexType **PostingData**
annotation	documentation Contains Doc Sequences for Final Shipper and Seller and Shipper Info which is just free form text
source	<element name="ShipperData"> <annotation> <documentation>Contains Doc Sequences for Final Shipper and Seller and Shipper Info which is just free form text</documentation> </annotation> <complexType> <sequence> <element ref="pidx:SellerDocumentSequence" minOccurs="0"/> <element ref="pidx:FinalShipperDocumentSequence" minOccurs="0"/> <element ref="pidx:ShipperInfo" minOccurs="0"/> </sequence> </complexType> </element>

element **ShipperInfo**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **ShipperData**
annotation	documentation PIDX4 Backward Compatible Shipper Info, Defined in V4 as - Various shipper defined information.
source	<element name="ShipperInfo" type="string"> <annotation> <documentation>PIDX4 Backward Compatible Shipper Info, Defined in V4 as - Various shipper defined information. </documentation> </annotation> </element>

element **Source**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**

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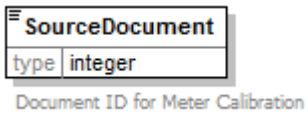
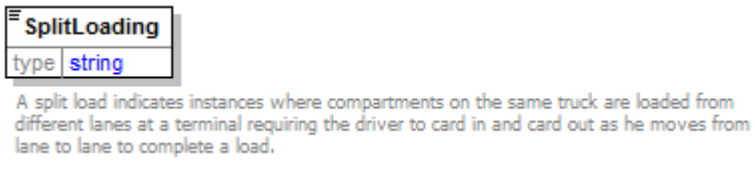
properties	content simple
used by	element **MeasurementInformation**
annotation	documentation Meter Calibration Source (source company??)
source	<element name="Source" type="string"> <annotation> <documentation>Meter Calibration Source (source company??)</documentation> </annotation> </element>

element **SourceDocument**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**integer**
properties	content simple
used by	element **MeasurementInformation**
annotation	documentation Document ID for Meter Calibration
source	<element name="SourceDocument" type="integer"> <annotation> <documentation>Document ID for Meter Calibration </documentation> </annotation> </element>

element **SplitLoading**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	complexType **PostingData**
facets	Kind Value Annotation enumeration Yes enumeration No

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annotation	documentation A split load indicates instances where compartments on the same truck are loaded from different lanes at a terminal requiring the driver to card in and card out as he moves from lane to lane to complete a load.
source	<element name="SplitLoading"> <annotation> <documentation>A split load indicates instances where compartments on the same truck are loaded from different lanes at a terminal requiring the driver to card in and card out as he moves from lane to lane to complete a load.</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="Yes"/> <enumeration value="No"/> </restriction> </simpleType> </element>

element **StateOrProvince**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation PartnerInfo State or Province Information
source	<element name="StateOrProvince" type="string"> <annotation> <documentation>PartnerInfo State or Province Information</documentation> </annotation> </element>

element **StockOwner**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple

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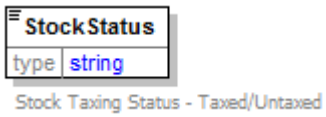
used by	element **Recipe**
annotation	documentation StockOwner of the Component Product (Should be a PIDX SellerNum).
source	<element name="StockOwner" type="string"> <annotation> <documentation>StockOwner of the Component Product (Should be a PIDX SellerNum).</documentation> </annotation> </element>

element **StockStatus**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **Tax**
facets	Kind Value Annotation enumeration TAXED enumeration UNTAXED
annotation	documentation Stock Taxing Status - Taxed/Untaxed
source	<element name="StockStatus"> <annotation> <documentation>Stock Taxing Status - Taxed/Untaxed</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="TAXED"/> <enumeration value="UNTAXED"/> </restriction> </simpleType> </element>

element **StorageLocation**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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type	**string**
properties	content simple
used by	element **Product**
annotation	documentation Storage Location for Finished Product
source	<element name="StorageLocation" type="string"> <annotation> <documentation>Storage Location for Finished Product </documentation> </annotation> </element>

element **StorageTankIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Recipe**
annotation	documentation StorageTankID where product was lifted from.
source	<element name="StorageTankIdentifier" type="string"> <annotation> <documentation>StorageTankID where product was lifted from.</documentation> </annotation> </element>

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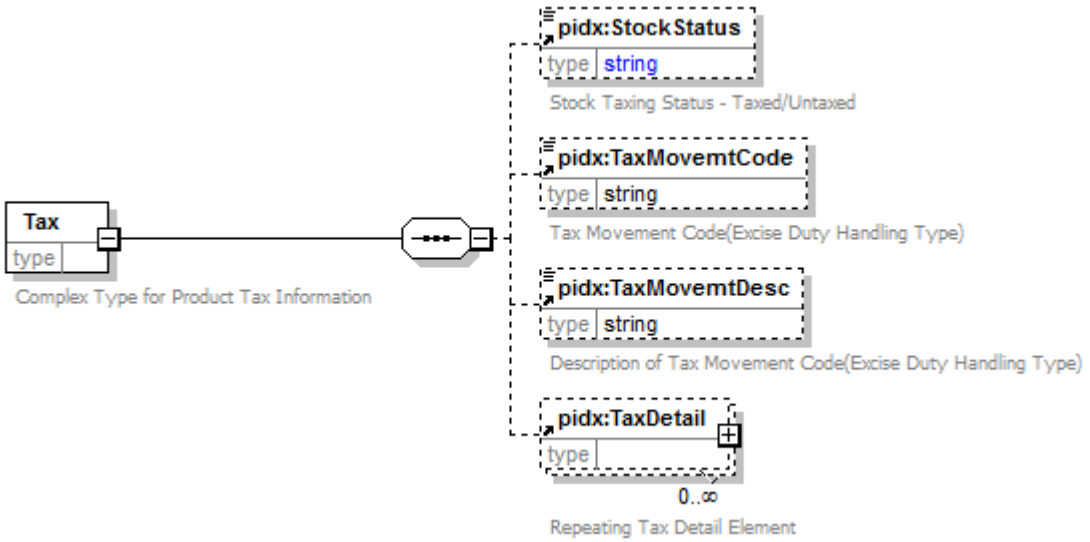
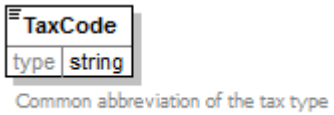
element **Tax**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:StockStatus** **pidx:TaxMovemtCode** **pidx:TaxMovemtDesc** **pidx:TaxDetail**
used by	element **Compartment**
annotation	documentation Complex Type for Product Tax Information
source	<element name="Tax"> <annotation> <documentation>Complex Type for Product Tax Information</documentation> </annotation> <complexType> <sequence> <element ref="pidx:StockStatus" minOccurs="0"/> <element ref="pidx:TaxMovemtCode" minOccurs="0"/> <element ref="pidx:TaxMovemtDesc" minOccurs="0"/> <element ref="pidx:TaxDetail" minOccurs="0" maxOccurs="unbounded"/> </sequence> </complexType> </element>

element **TaxCode**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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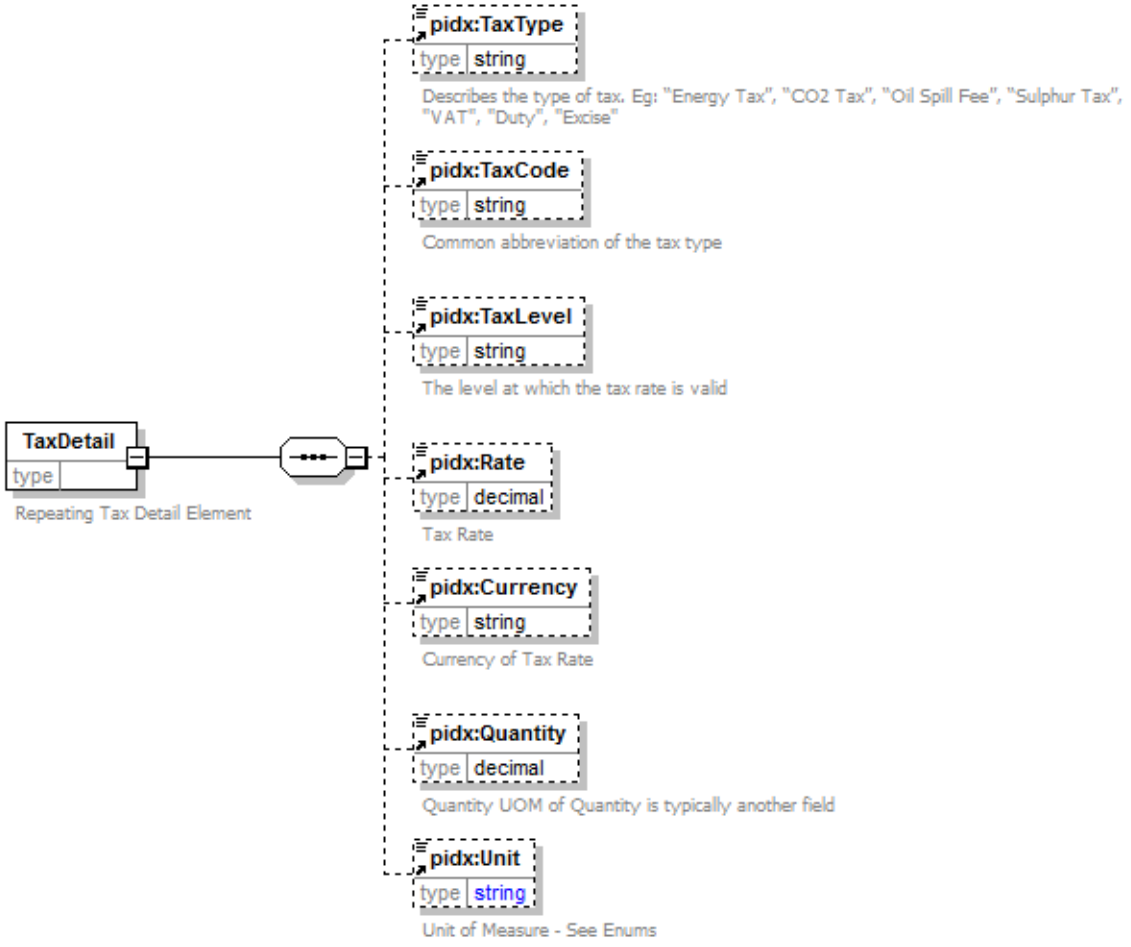
type	**string**
properties	content simple
used by	element **TaxDetail**
annotation	documentation Common abbreviation of the tax type
source	<element name="TaxCode" type="string"> <annotation> <documentation>Common abbreviation of the tax type </documentation> </annotation> </element>

element **TaxDetail**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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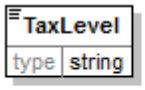
properties	content complex
children	**pidx:TaxType pidx:TaxCode pidx:TaxLevel pidx:Rate pidx:Currency pidx:Quantity pidx:Unit**
used by	element **Tax**
annotation	documentation Repeating Tax Detail Element
source	<element name="TaxDetail"> <annotation> <documentation>Repeating Tax Detail Element</documentation> </annotation> <complexType> <sequence> <element ref="pidx:TaxType" minOccurs="0"/> <element ref="pidx:TaxCode" minOccurs="0"/> <element ref="pidx:TaxLevel" minOccurs="0"/> <element ref="pidx:Rate" minOccurs="0"/> <element ref="pidx:Currency" minOccurs="0"/> <element ref="pidx:Quantity" minOccurs="0"/> <element ref="pidx:Unit" minOccurs="0"/> </sequence> </complexType> </element>

element **TaxLevel**

diagram	 The level at which the tax rate is valid
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **TaxDetail**
annotation	documentation The level at which the tax rate is valid
source	<element name="TaxLevel" type="string"> <annotation> <documentation>The level at which the tax rate is valid </documentation> </annotation> </element>

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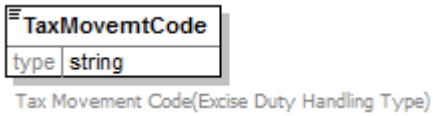
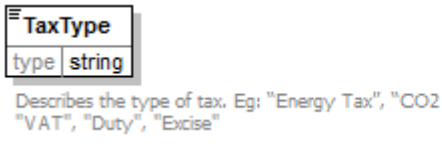
element **TaxMovemtCode**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Tax**
annotation	documentation Tax Movement Code(Excise Duty Handling Type)
source	<element name="TaxMovemtCode" type="string"> <annotation> <documentation>Tax Movement Code(Excise Duty Handling Type)</documentation> </annotation> </element>

element **TaxMovemtDesc**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Tax**
annotation	documentation Description of Tax Movement Code(Excise Duty Handling Type)
source	<element name="TaxMovemtDesc" type="string"> <annotation> <documentation>Description of Tax Movement Code(Excise Duty Handling Type)</documentation> </annotation> </element>

element **TaxType**

diagram	

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namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **TaxDetail**
annotation	documentation Describes the type of tax. Eg: “Energy Tax”, “CO2 Tax”, “Oil Spill Fee”, “Sulphur Tax”, "VAT", "Duty", "Excise"
source	<element name="TaxType" type="string"> <annotation> <documentation>Describes the type of tax. Eg: “Energy Tax”, “CO2 Tax”, “Oil Spill Fee”, “Sulphur Tax”, "VAT", "Duty", "Excise"</documentation> </annotation> </element>

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element **To**

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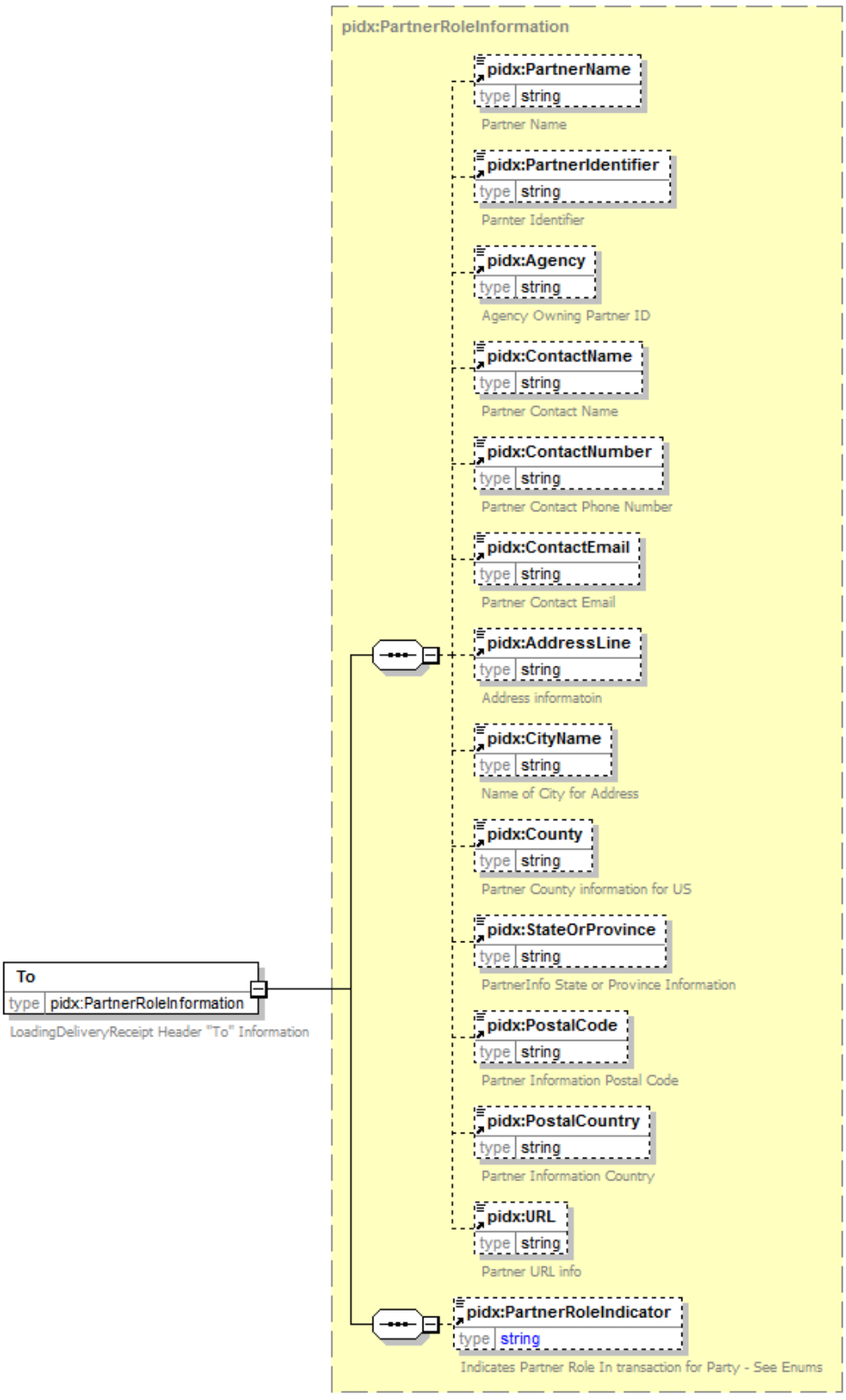
diagram



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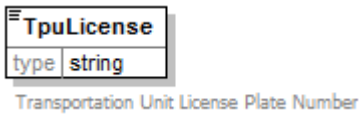
namespace	http://www.pidx.org/schema/ds/v5.01
type	**pidx:PartnerRoleInformation**
properties	content complex mixed false
children	**pidx:PartnerName** **pidx:PartnerIdentifier** **pidx:Agency** **pidx:ContactName** **pidx:ContactNumber** **pidx:ContactEmail** **pidx:AddressLine** **pidx:CityName** **pidx:County** **pidx:StateOrProvince** **pidx:PostalCode** **pidx:PostalCountry** **pidx:URL** **pidx:PartnerRoleIndicator**
used by	element **Header**
annotation	documentation LoadingDeliveryReceipt Header "To" Information
source	<element name="To" type="pidx:PartnerRoleInformation"> <annotation> <documentation>LoadingDeliveryReceipt Header "To" Information</documentation> </annotation> </element>

element **TpuIdentifierCard**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	elements **Engine** **LoadPartIdentification**
annotation	documentation Transportation Unit Card ID assigned by Terminal??
source	<element name="TpuIdentifierCard" type="string"> <annotation> <documentation>Transportation Unit Card ID assigned by Terminal??</documentation> </annotation> </element>

element **TpuLicense**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple

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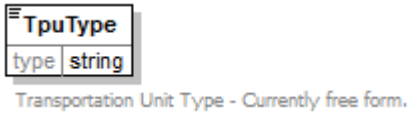
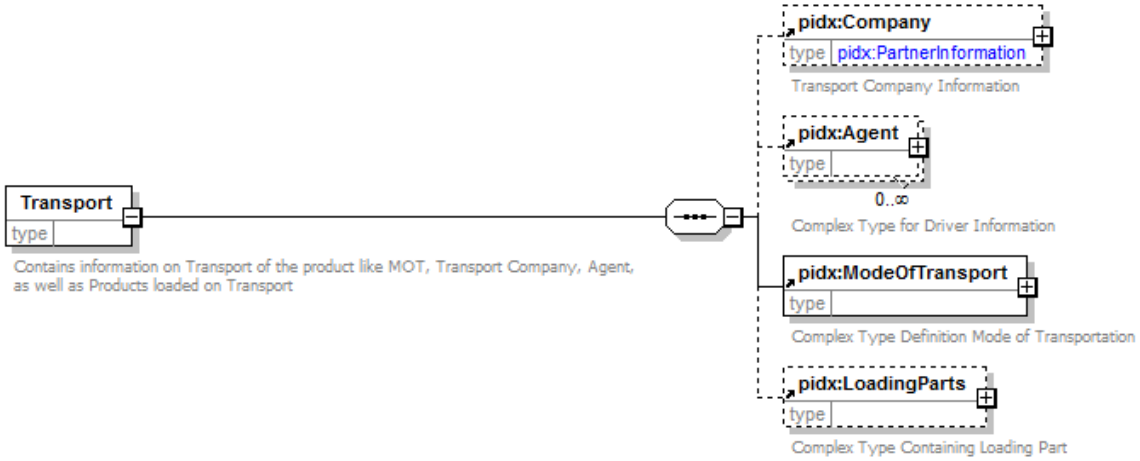
used by	elements **Engine LoadPartIdentification**
annotation	documentation Transportation Unit License Plate Number
source	<element name="TpuLicense" type="string"> <annotation> <documentation>Transportation Unit License Plate Number</documentation> </annotation> </element>

element **TpuType**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	elements **Engine LoadPartIdentification**
annotation	documentation Transportation Unit Type - Currently free form.
source	<element name="TpuType" type="string"> <annotation> <documentation>Transportation Unit Type - Currently free form.</documentation> </annotation> </element>

element **Transport**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01

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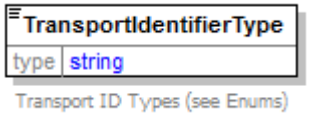
properties	content complex
children	**pidx:Company pidx:Agent pidx:ModeOfTransport pidx:LoadingParts**
used by	complexType **PostingData**
annotation	documentation Contains information on Transport of the product like MOT, Transport Company, Agent, as well as Products loaded on Transport
source	<element name="Transport"> <annotation> <documentation>Contains information on Transport of the product like MOT, Transport Company, Agent, as well as Products loaded on Transport</documentation> </annotation> <complexType> <sequence> <element ref="pidx:Company" minOccurs="0"/> <element ref="pidx:Agent" minOccurs="0" maxOccurs="unbounded"/> <element ref="pidx:ModeOfTransport"/> <element ref="pidx:LoadingParts" minOccurs="0"/> </sequence> </complexType> </element>

element **TransportIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **TransportSecondaryIdentifier**
annotation	documentation Transport ID Numbers
source	<element name="TransportIdentifier" type="string"> <annotation> <documentation>Transport ID Numbers</documentation> </annotation> </element>

element **TransportIdentifierType**

diagram	

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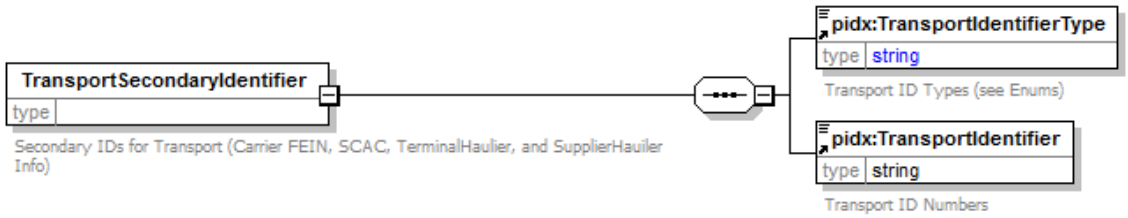
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **TransportSecondaryIdentifier**
facets	Kind Value Annotation enumeration PartnerHaulierID enumeration TerminalHaulierID enumeration CarrierFEIN enumeration SCAC
annotation	documentation Transport ID Types (see Enums)
source	<element name="TransportIdentifierType"> <annotation> <documentation>Transport ID Types (see Enums)</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="PartnerHaulierID"/> <enumeration value="TerminalHaulierID"/> <enumeration value="CarrierFEIN"/> <enumeration value="SCAC"/> </restriction> </simpleType> </element>

element **TransportSecondaryIdentifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
properties	content complex
children	**pidx:TransportIdentifierType** **pidx:TransportIdentifier**
used by	element **Company**
annotation	documentation Secondary IDs for Transport (Carrier FEIN, SCAC, TerminalHaulier, and SupplierHauiler Info)
source	<element name="TransportSecondaryIdentifier"> <annotation> <documentation>Secondary IDs for Transport (Carrier FEIN, SCAC, TerminalHaulier, and SupplierHauiler Info)</documentation> </annotation>

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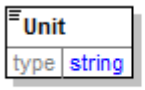
```
  <complexType>
    <sequence>
      <element ref="pidx:TransportIdentifierType"/>
      <element ref="pidx:TransportIdentifier"/>
    </sequence>
  </complexType>
</element>
```

element **Unit**

diagram	 Unit of Measure - See Enums
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	elements **Measurement** **TaxDetail**

facets

Kind	Value	Annotation
enumeration	LTR	documentation Liter
enumeration	ML	documentation Volume - Milliliter
enumeration	OZ	documentation Volume - Ounce
enumeration	GAL	documentation Gallons
enumeration	IGL	documentation Imperial Gallons
enumeration	BBL	documentation Barrel
enumeration	KB	documentation Kilo Barrel
enumeration	CBM	documentation Cubic Meter
enumeration	LBS	documentation Pounds
enumeration	MG	documentation Weight - Milligrams
enumeration	KGS	documentation Kilogram
enumeration	TON	documentation Ton - 2000 Lbs
enumeration	MTN	documentation Metric Ton
enumeration	LTN	documentation Imperial Ton -2,240 pounds
enumeration	KGL	documentation Density - Kilograms per Liter
enumeration	KGM	documentation Density - Kilogram per Cubic Meter
enumeration	PGA	documentation Density - Pounds per Gallon

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	enumeration API documentation Gravity - Degrees API enumeration SG documentation Specific Gravity enumeration KPA documentation Pressure - KiloPascal enumeration BAR documentation Pressure - Bars enumeration PSI documentation Pressure - Pounds per Square Inch enumeration C documentation Temperature in Degrees Celsius enumeration F documentation Temperature in Degrees Fahrenheit enumeration EA documentation Each Unit of Measure enumeration RAT documentation MixPercent - Mix Ratio enumeration PPM documentation Part Per Million
annotation	documentation Unit of Measure - See Enums
source	<element name="Unit"> <annotation> <documentation>Unit of Measure - See Enums</documentation> </annotation> <simpleType> <restriction base="string"> <enumeration value="LTR"> <annotation> <documentation>Liter</documentation> </annotation> </enumeration> <enumeration value="ML"> <annotation> <documentation>Volume - Milliliter</documentation> </annotation> </enumeration> <enumeration value="OZ"> <annotation> <documentation>Volume - Ounce</documentation> </annotation> </enumeration> <enumeration value="GAL"> <annotation> <documentation>Gallons</documentation> </annotation> </enumeration> <enumeration value="IGL"> <annotation>

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```
        <documentation>Imperial Gallons</documentation>
      </annotation>
    </enumeration>
    <enumeration value="BBL">
      <annotation>
        <documentation>Barrel</documentation>
      </annotation>
    </enumeration>
    <enumeration value="KB">
      <annotation>
        <documentation>Kilo Barrel</documentation>
      </annotation>
    </enumeration>
    <enumeration value="CBM">
      <annotation>
        <documentation>Cubic Meter</documentation>
      </annotation>
    </enumeration>
    <enumeration value="LBS">
      <annotation>
        <documentation>Pounds</documentation>
      </annotation>
    </enumeration>
    <enumeration value="MG">
      <annotation>
        <documentation>Weight - Milligrams</documentation>
      </annotation>
    </enumeration>
    <enumeration value="KGS">
      <annotation>
        <documentation>Kilogram</documentation>
      </annotation>
    </enumeration>
    <enumeration value="TON">
      <annotation>
        <documentation>Ton - 2000 Lbs</documentation>
      </annotation>
    </enumeration>
    <enumeration value="MTN">
      <annotation>
        <documentation>Metric Ton</documentation>
      </annotation>
    </enumeration>
    <enumeration value="LTN">
      <annotation>
        <documentation>Imperial Ton -2,240 pounds
</documentation>
      </annotation>
    </enumeration>
    <enumeration value="KGL">
      <annotation>
```


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```
        <documentation>Density - Kilograms per Liter</documentation>
       </annotation>
      </enumeration>
      <enumeration value="KGM">
       <annotation>
        <documentation>Density - Kilogram per Cubic Meter</documentation>
       </annotation>
      </enumeration>
      <enumeration value="PGA">
       <annotation>
        <documentation>Density - Pounds per Gallon
</documentation>
       </annotation>
      </enumeration>
      <enumeration value="API">
       <annotation>
        <documentation>Gravity - Degrees API
</documentation>
       </annotation>
      </enumeration>
      <enumeration value="SG">
       <annotation>
        <documentation>Specific Gravity</documentation>
       </annotation>
      </enumeration>
      <enumeration value="KPA">
       <annotation>
        <documentation>Pressure - KiloPascal
</documentation>
       </annotation>
      </enumeration>
      <enumeration value="BAR">
       <annotation>
        <documentation>Pressure - Bars</documentation>
       </annotation>
      </enumeration>
      <enumeration value="PSI">
       <annotation>
        <documentation>Pressure - Pounds per Square Inch</documentation>
       </annotation>
      </enumeration>
      <enumeration value="C">
       <annotation>
        <documentation>Temperature in Degrees Celsius</documentation>
       </annotation>
      </enumeration>
      <enumeration value="F">
       <annotation>
        <documentation>Temperature in Degrees Fahrenheit</documentation>
       </annotation>
      </enumeration>
```


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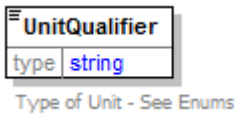
```
      <enumeration value="EA">
        <annotation>
          <documentation>Each Unit of Measure</documentation>
        </annotation>
      </enumeration>
      <enumeration value="RAT">
        <annotation>
          <documentation>MixPercent - Mix Ratio</documentation>
        </annotation>
      </enumeration>
      <enumeration value="PPM">
        <annotation>
          <documentation>Part Per Million
</documentation>
        </annotation>
      </enumeration>
    </restriction>
  </simpleType>
</element>
```

element **UnitQualifier**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	restriction of **string**
properties	content simple
used by	element **Measurement**

facets

Kind	Value	Annotation
enumeration	Volume	documentation Quantity Specified is a Volume Measurement
enumeration	Temperature	documentation Quantity Specified is a Temperature
enumeration	Pressure	documentation Quantity Specified is a Pressure
enumeration	Gravity	documentation Quantity Specified is Gravity
enumeration	TareWeight	documentation Quantity Specified is the Empty Container Weight in Air
enumeration	GrossWeight	documentation Quantity Specified is a Gross or Total Weight in Air
enumeration	ProductWeight	documentation Quantity Specified is Product Weight in Air
enumeration	Density	documentation Quantity Specfied is Density in a Vacuum
enumeration	MixPercentage	documentation Quantity specifies Mix Percent of a product Use in recipe section

annotation

documentation
Type of Unit - See Enums

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source

```
<element name="UnitQualifier">
 <annotation>
  <documentation>Type of Unit - See Enums</documentation>
 </annotation>
 <simpleType>
  <restriction base="string">
   <enumeration value="Volume">
    <annotation>
     <documentation>Quantity Specified is a Volume Measurement</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Temperature">
    <annotation>
     <documentation>Quantity Specified is a Temperature</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Pressure">
    <annotation>
     <documentation>Quantity Specified is a Pressure</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Gravity">
    <annotation>
     <documentation>Quantity Specified is Gravity</documentation>
    </annotation>
   </enumeration>
   <enumeration value="TareWeight">
    <annotation>
     <documentation>Quantity Specified is the Empty Container Weight in Air</documentation>
    </annotation>
   </enumeration>
   <enumeration value="GrossWeight">
    <annotation>
     <documentation>Quantity Specified is a Gross or Total Weight in Air</documentation>
    </annotation>
   </enumeration>
   <enumeration value="ProductWeight">
    <annotation>
     <documentation>Quantity Specified is Product Weight in Air</documentation>
    </annotation>
   </enumeration>
   <enumeration value="Density">
    <annotation>
     <documentation>Quantity Specfied is Density in a Vacuum</documentation>
    </annotation>
   </enumeration>
   <enumeration value="MixPercentage">
    <annotation>
     <documentation>Quantity specifies Mix Percent of a product Use in recipe
section</documentation>
    </annotation>
```


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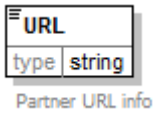
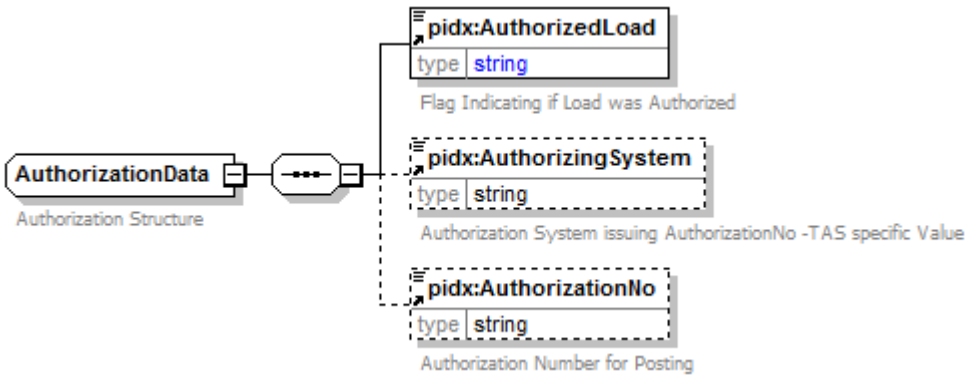
	</enumeration> </restriction> </simpleType> </element>

element **URL**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	content simple
used by	element **Location** complexType **PartnerInformation**
annotation	documentation Partner URL info
source	<element name="URL" type="string"> <annotation> <documentation>Partner URL info</documentation> </annotation> </element>

complexType **AuthorizationData**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
children	**pidx:AuthorizedLoad** **pidx:AuthorizingSystem** **pidx:AuthorizationNo**
used by	elements **Authorization** **DetailAuthorization**
annotation	documentation Authorization Structure
source	<complexType name="AuthorizationData"> <annotation>

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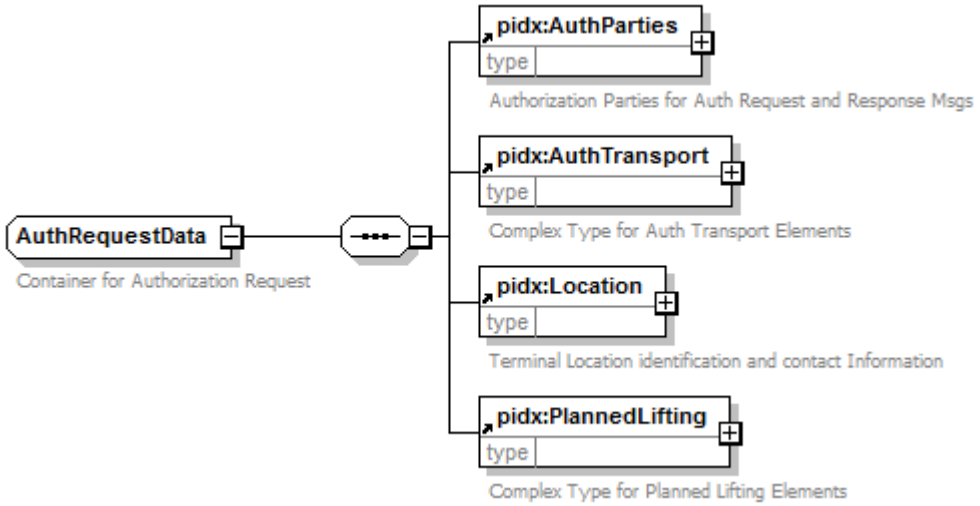
```
    <documentation>Authorization Structure</documentation>
  </annotation>
  <sequence>
    <element ref="pidx:AuthorizedLoad"/>
    <element ref="pidx:AuthorizingSystem" minOccurs="0"/>
    <element ref="pidx:AuthorizationNo" minOccurs="0"/>
  </sequence>
</complexType>
```

complexType **AuthRequestData**

diagram



namespace	http://www.pidx.org/schema/ds/v5.01
children	**pidx:AuthParties pidx:AuthTransport pidx:Location pidx:PlannedLifting**
used by	element **AuthRequests**
annotation	documentation Container for Authorization Request

source

```
<complexType name="AuthRequestData">
  <annotation>
    <documentation>Container for Authorization Request</documentation>
  </annotation>
  <sequence>
    <element ref="pidx:AuthParties"/>
    <element ref="pidx:AuthTransport"/>
    <element ref="pidx:Location"/>
    <element ref="pidx:PlannedLifting"/>
  </sequence>
</complexType>
```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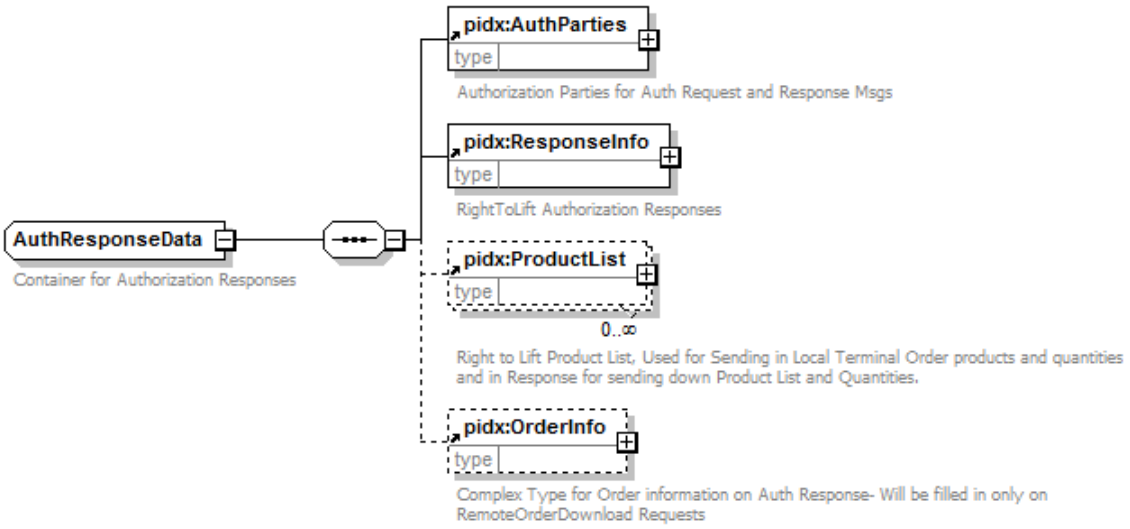
complexType **AuthResponseData**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
children	**pidx:AuthParties** **pidx:ResponseInfo** **pidx:ProductList** **pidx:OrderInfo**
used by	element **AuthResponses**
annotation	documentation Container for Authorization Responses
source	<complexType name="AuthResponseData"> <annotation> <documentation>Container for Authorization Responses</documentation> </annotation> <sequence> <element ref="pidx:AuthParties"/> <element ref="pidx:ResponseInfo"/> <element ref="pidx:ProductList" minOccurs="0" maxOccurs="unbounded"/> <element ref="pidx:OrderInfo" minOccurs="0"/> </sequence> </complexType>

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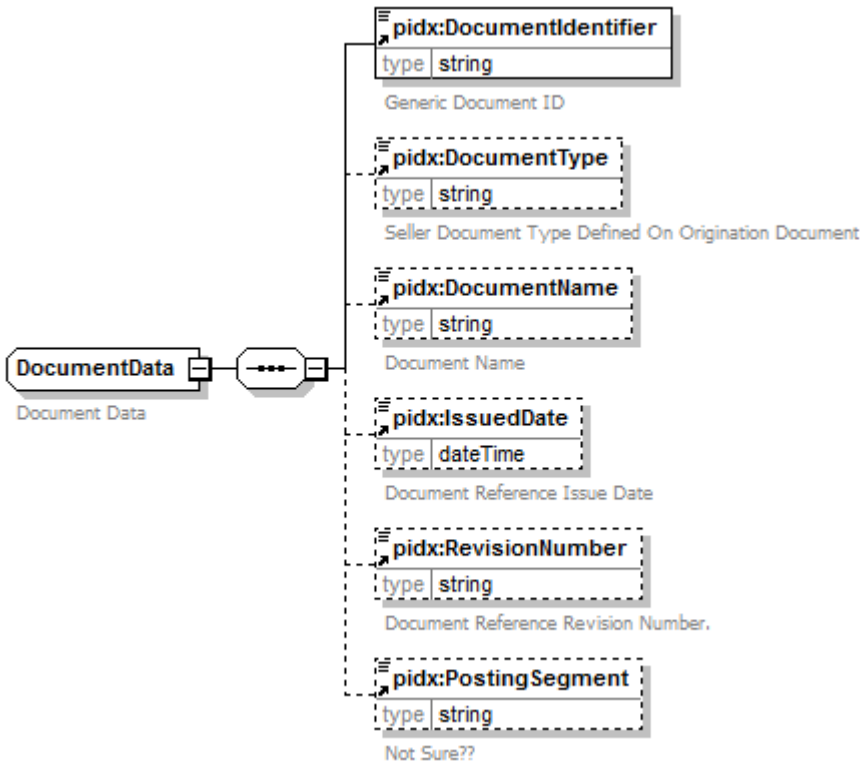
complexType **DocumentData**

diagram	
namespace	http://www.pidx.org/schema/ds/v5.01
children	pidx:DocumentIdentifier pidx:DocumentType pidx:DocumentName pidx:IssuedDate pidx:RevisionNumber pidx:PostingSegment
used by	elements DetailPostingReference PostingReference
annotation	documentation Document Data
source	<complexType name="DocumentData"> <annotation> <documentation>Document Data</documentation> </annotation> <sequence> <element ref="pidx:DocumentIdentifier"/> <element ref="pidx:DocumentType" minOccurs="0"/> <element ref="pidx:DocumentName" minOccurs="0"/> <element ref="pidx:IssuedDate" minOccurs="0"/> <element ref="pidx:RevisionNumber" minOccurs="0"/> <element ref="pidx:PostingSegment" minOccurs="0"/> </sequence> </complexType>

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complexType **PartnerInformation**

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diagram

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namespace	http://www.pidx.org/schema/ds/v5.01
children	pidx:PartnerName pidx:PartnerIdentifier pidx:Agency pidx:ContactName pidx:ContactNumber pidx:ContactEmail pidx:AddressLine pidx:CityName pidx:County pidx:StateOrProvince pidx:PostalCode pidx:PostalCountry pidx:URL
used by	element Company complexType PartnerRoleInformation
annotation	documentation Complex Type Containing Information on a Partner

source

```
<complexType name="PartnerInformation">
 <annotation>
  <documentation>Complex Type Containing Information on a Partner</documentation>
 </annotation>
 <sequence>
  <element ref="pidx:PartnerName" minOccurs="0"/>
  <element ref="pidx:PartnerIdentifier" minOccurs="0"/>
  <element ref="pidx:Agency" minOccurs="0"/>
  <element ref="pidx:ContactName" minOccurs="0"/>
  <element ref="pidx:ContactNumber" minOccurs="0"/>
  <element ref="pidx:ContactEmail" minOccurs="0"/>
  <element ref="pidx:AddressLine" minOccurs="0"/>
  <element ref="pidx:CityName" minOccurs="0"/>
  <element ref="pidx:County" minOccurs="0"/>
  <element ref="pidx:StateOrProvince" minOccurs="0"/>
  <element ref="pidx:PostalCode" minOccurs="0"/>
  <element ref="pidx:PostalCountry" minOccurs="0"/>
  <element ref="pidx:URL" minOccurs="0"/>
 </sequence>
</complexType>
```


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complexType **PartnerRoleInformation**

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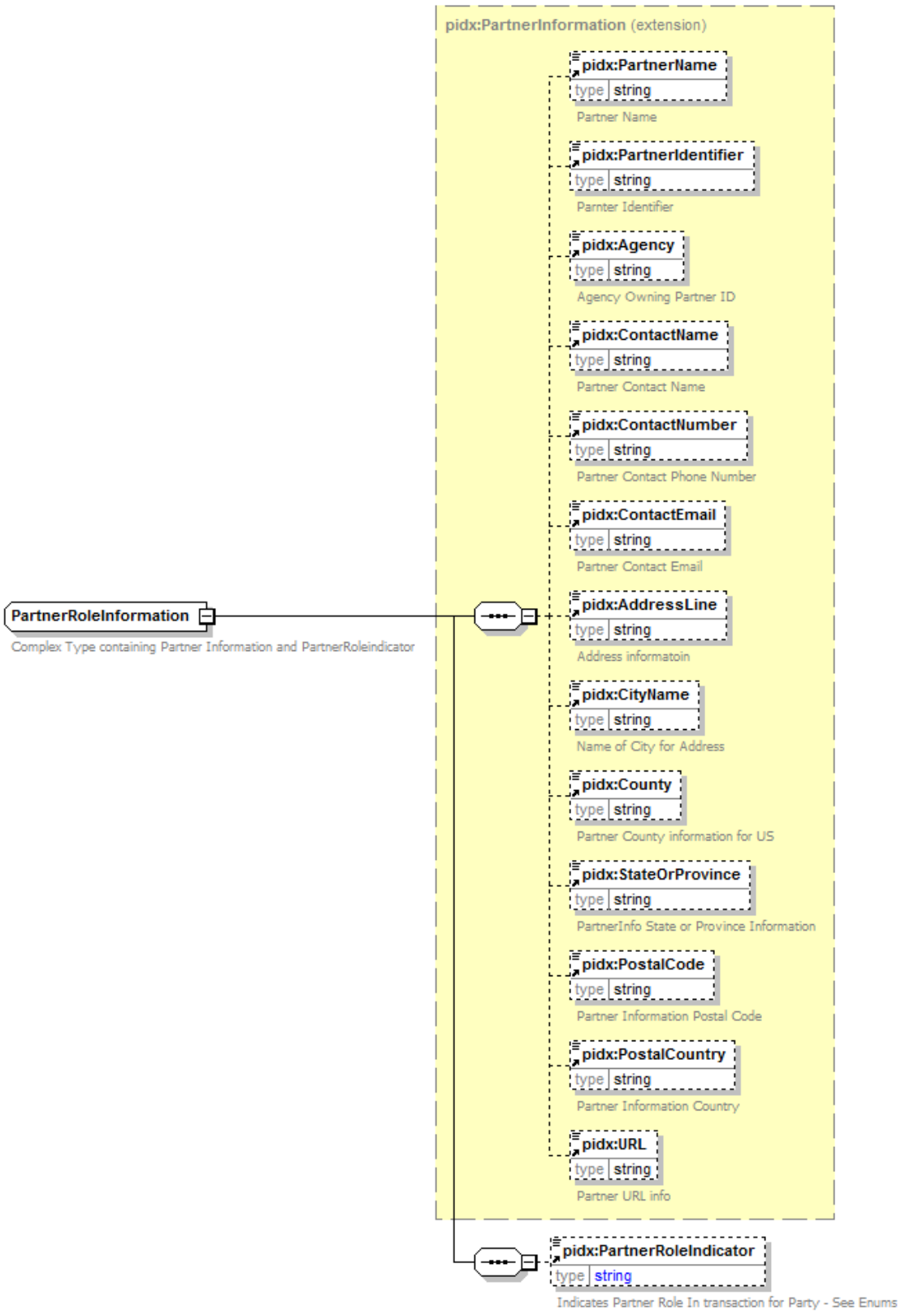
diagram



Schema PIDXLit

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namespace	http://www.pidx.org/schema/ds/v5.01
type	extension of **pidx:PartnerInformation**
properties	base pidx:PartnerInformation mixed false
children	**pidx:PartnerName** **pidx:PartnerIdentifier** **pidx:Agency** **pidx:ContactName** **pidx:ContactNumber** **pidx:ContactEmail** **pidx:AddressLine** **pidx:CityName** **pidx:County** **pidx:StateOrProvince** **pidx:PostalCode** **pidx:PostalCountry** **pidx:URL** **pidx:PartnerRoleIndicator**
used by	elements **From** **Party** **To**
annotation	documentation Complex Type containing Partner Information and PartnerRoleindicator
source	<complexType name="PartnerRoleInformation" mixed="false"> <annotation> <documentation>Complex Type containing Partner Information and PartnerRoleindicator</documentation> </annotation> <complexContent> <extension base="pidx:PartnerInformation"> <sequence> <element ref="pidx:PartnerRoleIndicator" minOccurs="0"/> </sequence> </extension> </complexContent> </complexType>

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complexType **PostingData**

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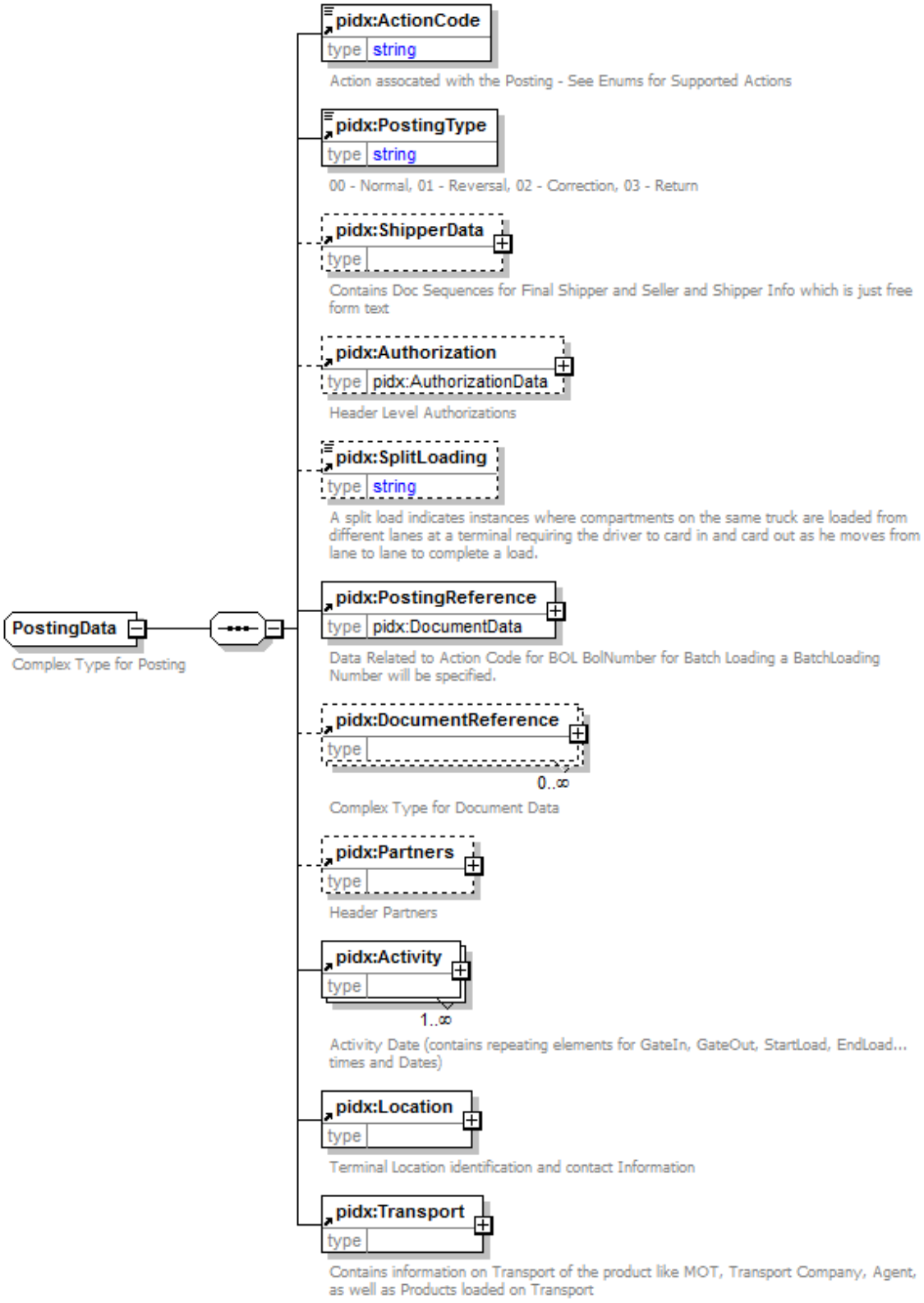
diagram



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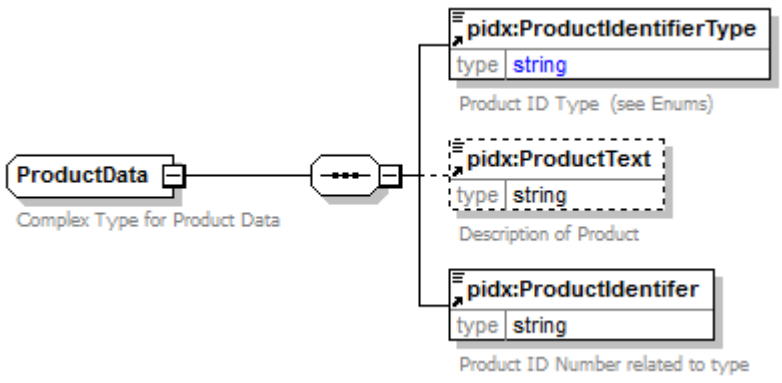
namespace	http://www.pidx.org/schema/ds/v5.01
children	pidx:ActionCode pidx:PostingType pidx:ShipperData pidx:Authorization pidx:SplitLoading pidx:PostingReference pidx:DocumentReference pidx:Partners pidx:Activity pidx:Location pidx:Transport
used by	element **Posting**
annotation	documentation Complex Type for Posting
source	<complexType name="PostingData"> <annotation> <documentation>Complex Type for Posting</documentation> </annotation> <sequence> <element ref="pidx:ActionCode"/> <element ref="pidx:PostingType"> <annotation> <documentation>00 - Normal, 01 - Reversal, 02 - Correction, 03 - Return </documentation> </annotation> </element> <element ref="pidx:ShipperData" minOccurs="0"/> <element ref="pidx:Authorization" minOccurs="0"/> <element ref="pidx:SplitLoading" minOccurs="0"/> <element ref="pidx:PostingReference"> <annotation> <documentation>Data Related to Action Code for BOL BolNumber for Batch Loading a BatchLoading Number will be specified.</documentation> </annotation> </element> <element ref="pidx:DocumentReference" minOccurs="0" maxOccurs="unbounded"/> <element ref="pidx:Partners" minOccurs="0"/> <element ref="pidx:Activity" maxOccurs="unbounded"/> <element ref="pidx:Location"/> <element ref="pidx:Transport"/> </sequence> </complexType>

complexType **ProductData**

diagram	

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namespace	http://www.pidx.org/schema/ds/v5.01
children	**pidx:ProductIdentifierType pidx:ProductText pidx:ProductIdentifer**
used by	elements **Component ProductIdentifers**
annotation	documentation Complex Type for Product Data
source	<complexType name="ProductData"> <annotation> <documentation>Complex Type for Product Data</documentation> </annotation> <sequence> <element ref="pidx:ProductIdentifierType"/> <element ref="pidx:ProductText" minOccurs="0"/> <element ref="pidx:ProductIdentifer"/> </sequence> </complexType>

attribute **FixVersion**

namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	fixed 01
used by	attributeGroup **PIDXVersion**
annotation	documentation Fix Version - Incremented when Enumeration Values are added
source	<attribute name="FixVersion" type="string" fixed="01"> <annotation> <documentation>Fix Version - Incremented when Enumeration Values are added</documentation> </annotation> </attribute>

attribute **MajorVersion**

namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	fixed 05
used by	attributeGroup **PIDXVersion**
annotation	documentation Major Version - Incremented when New Required Elements are added
source	<attribute name="MajorVersion" type="string" fixed="05"> <annotation> <documentation>Major Version - Incremented when New Required Elements are added</documentation> </annotation>

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	</attribute>

attribute **MinorVersion**

namespace	http://www.pidx.org/schema/ds/v5.01
type	**string**
properties	fixed 01
used by	attributeGroup **PIDXVersion**
annotation	documentation Minor Version - Incremented when New non-required elements are added
source	<attribute name="MinorVersion" type="string" fixed="01"> <annotation> <documentation>Minor Version - Incremented when New non-required elements are added</documentation> </annotation> </attribute>

attributeGroup **PIDXVersion**

namespace	http://www.pidx.org/schema/ds/v5.01					
attributes	Name	Type	Use	Default	Fixed	Annotation
	pidx:MajorVersion	**string**	required		05	documentation Major Version - Incremented when New Required Elements are added
	pidx:MinorVersion	**string**	optional		01	documentation Minor Version - Incremented when New non-required elements are added
	pidx:FixVersion	**string**	optional		01	documentation Fix Version - Incremented when Enumeration Values are added
source	<attributeGroup name="PIDXVersion"> <attribute ref="pidx:MajorVersion" use="required"/> <attribute ref="pidx:MinorVersion" use="optional" fixed="01"/> <attribute ref="pidx:FixVersion" use="optional" fixed="01"/> </attributeGroup>					

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