

STRATEGIC EUROPEAN DEPLOYMENT PLAN FOR THE EUROPEAN-WIDE IMPLEMENTATION OF THE TECHNICAL SPECIFICATION FOR INTEROPERABILITY TELEMATIC APPLICATIONS FOR FREIGHT (TAF TSI)



PROJECT No: 2005-EU-93008-S

Deliverable 2 - Definition of the functional and performance requirements and of the associated data necessary to deliver the TAF system

Appendix B - Wagon and Intermodal Unit Operating Database (WIMO)

Annex 1 : WIMO data

Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating



Database (WIMO))

Annex 1 : WIMO data

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Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating



Database (WIMO))

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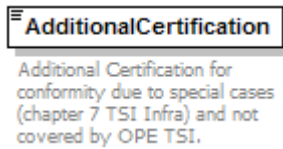
Database (WIMO))

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element **AdditionalCertification**

diagram



type **xs:string**

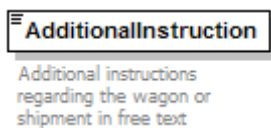
used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation Additional Certification for conformity due to special cases (chapter 7 TSI Infra) and not covered by OPE TSI.

source `<xs:element name="AdditionalCertification" type="xs:string">
<xs:annotation>
<xs:documentation>Additional Certification for conformity due to special cases (chapter 7 TSI Infra) and not covered by OPE TSI.</xs:documentation>
</xs:annotation>
</xs:element>`

element **AdditionalInstruction**

diagram



type [FreeText](#)

used by element [WagonInstruction](#)

facets length 255

annotation documentation Additional instructions regarding the wagon or shipment in free text

source `<xs:element name="AdditionalInstruction" type="FreeText">
<xs:annotation>
<xs:documentation>Additional instructions regarding the wagon or shipment in free text</xs:documentation>
</xs:annotation>
</xs:element>`

element **AdmissionType**

diagram



type **xs:string**

used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation Rolling Stock Name - Need further clarification

source `<xs:element name="AdmissionType" type="xs:string">
<xs:annotation>
<xs:documentation>Rolling Stock Name - Need further clarification</xs:documentation>
</xs:annotation>
</xs:element>`



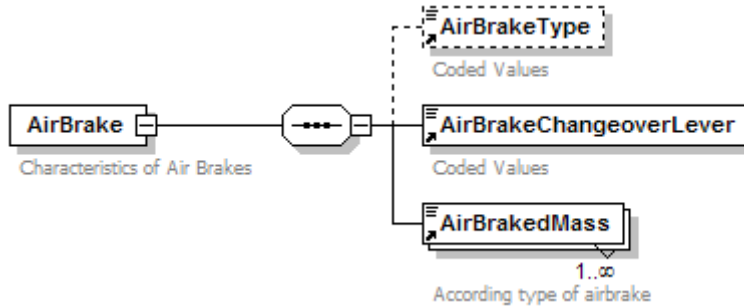
Database (WIMO))

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element **AirBrake**

diagram



children [AirBrakeType](#) [AirBrakeChangeoverLever](#) [AirBrakedMass](#)

used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation Characteristics of Air Brakes

```

source <xs:element name="AirBrake">
  <xs:annotation>
    <xs:documentation>Characteristics of Air Brakes</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="AirBrakeType" minOccurs="0"/>
      <xs:element ref="AirBrakeChangeoverLever"/>
      <xs:element ref="AirBrakedMass" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
    
```

element **AirBrakeChangeoverLever**

diagram



type restriction of [IdentCode](#)

used by element [AirBrake](#)

facets enumeration 0
enumeration 1
enumeration 8
enumeration 9

annotation documentation Coded Values

```

source <xs:element name="AirBrakeChangeoverLever">
  <xs:annotation>
    <xs:documentation>Coded Values</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="IdentCode">
      <xs:enumeration value="0"/>
      <xs:enumeration value="1"/>
      <xs:enumeration value="8"/>
      <xs:enumeration value="9"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
    
```

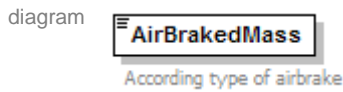


Database (WIMO))

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element **AirBrakedMass**



type restriction of **xs:integer**

used by element [AirBrake](#)

facets minInclusive 1
maxInclusive 999

annotation documentation According type of airbrake

```
<xs:element name="AirBrakedMass">
  <xs:annotation>
    <xs:documentation>According type of airbrake</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **AirBrakeType**



type restriction of [IdentCode](#)

used by element [AirBrake](#)

facets enumeration 0
enumeration 1
enumeration 2
enumeration 3
enumeration 9

annotation documentation Coded Values

```
<xs:element name="AirBrakeType">
  <xs:annotation>
    <xs:documentation>Coded Values</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="IdentCode">
      <xs:enumeration value="0"/>
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
      <xs:enumeration value="3"/>
      <xs:enumeration value="9"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **AxlesInterchangeable**



type **xs:boolean**

used by element [RollingStockDataset/DesignDataSet](#)



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annotation documentation Russia

```
source <xs:element name="AxlesInterchangeable" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Russia</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **AxlesVariableWidth**



type **xs:boolean**

used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation Spain

```
source <xs:element name="AxlesVariableWidth" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Spain</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **BogiePitch**



type restriction of **xs:integer**

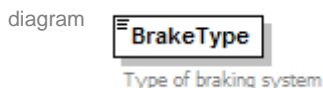
used by element [RollingStockDataset/DesignDataSet](#)

facets minInclusive 1
maxInclusive 999

annotation documentation Bogie Wheelbase measured in mm

```
source <xs:element name="BogiePitch">
  <xs:annotation>
    <xs:documentation>Bogie Wheelbase measured in mm</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **BrakeType**



type restriction of [IdentCode](#)

used by elements [RollingStockDataset/DesignDataSet](#) [WagonTechData](#)

facets enumeration G
enumeration P
enumeration R

annotation documentation Type of braking system



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```
source <xs:element name="BrakeType">
  <xs:annotation>
    <xs:documentation>Type of braking system</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="IdentCode">
      <xs:enumeration value="G"/>
      <xs:enumeration value="P"/>
      <xs:enumeration value="R"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element BrakeWeight

diagram

Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes

type restriction of **xs:int**

used by elements [HandBrake WagonTechData](#)

facets minInclusive 1
maxInclusive 999

annotation documentation Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes

```
source <xs:element name="BrakeWeight">
  <xs:annotation>
    <xs:documentation>Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element Class

diagram

Factory series, user series

type **xs:string**

used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation Factory series, user series

```
source <xs:element name="Class" type="xs:string">
  <xs:annotation>
    <xs:documentation>Factory series, user series</xs:documentation>
  </xs:annotation>
</xs:element>
```



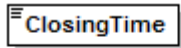
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element **ClosingTime**

diagram



The closing Date and Time of the port for the delivery of the shipment by rail to a vessel.

type [DateTime](#)

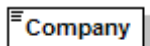
used by element [VesselIndication](#)

annotation documentation The closing Date and Time of the port for the delivery of the shipment by rail to a vessel.

```
source <xs:element name="ClosingTime" type="DateTime">
  <xs:annotation>
    <xs:documentation>The closing Date and Time of the port for the delivery of the shipment by rail to a vessel.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **Company**

diagram



Identifies a railway company (RU or IM)

type [CompanyCode](#)

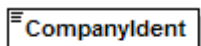
facets minInclusive 0001
maxInclusive 9999

annotation documentation Identifies a railway company (RU or IM)

```
source <xs:element name="Company" type="CompanyCode">
  <xs:annotation>
    <xs:documentation>Identifies a railway company (RU or IM)</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **CompanyIdent**

diagram



Coded Identification of a Railway entity

type [CompanyCode](#)

facets minInclusive 0001
maxInclusive 9999

annotation documentation Coded Identification of a Railway entity

```
source <xs:element name="CompanyIdent" type="CompanyCode">
  <xs:annotation>
    <xs:documentation>Coded Identification of a Railway entity</xs:documentation>
  </xs:annotation>
</xs:element>
```



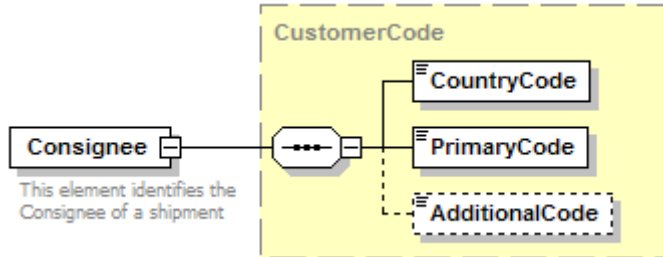
Database (WIMO))

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element **Consignee**

diagram



type [CustomerCode](#)

children [CountryCode](#) [PrimaryCode](#) [AdditionalCode](#)

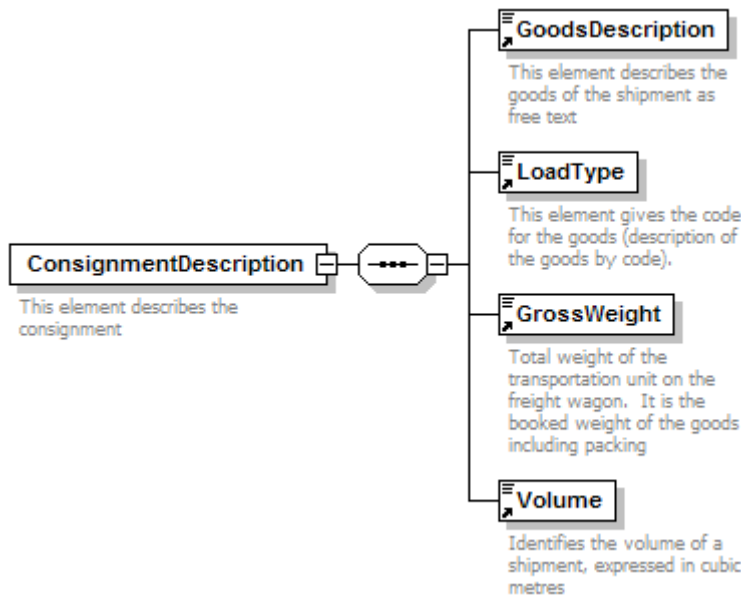
used by element [WIMO Dataset v3-1/ConsignmentLevelData/CustomerInformation](#)

annotation documentation This element identifies the Consignee of a shipment

```
<xs:element name="Consignee" type="CustomerCode">
  <xs:annotation>
    <xs:documentation>This element identifies the Consignee of a shipment</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **ConsignmentDescription**

diagram



children [GoodsDescription](#) [LoadType](#) [GrossWeight](#) [Volume](#)

used by element [WIMO Dataset v3-1/ConsignmentLevelData](#)

annotation documentation This element describes the consignment

```
<xs:element name="ConsignmentDescription">
  <xs:annotation>
    <xs:documentation>This element describes the consignment</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="GoodsDescription"/>
      <xs:element ref="LoadType"/>
      <xs:element ref="GrossWeight"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



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```
<xs:element ref="Volume"/>
</xs:sequence>
</xs:complexType>
</xs:element>
```

element **ConsignmentNumber**

diagram



type [ConsignmentIdent](#)

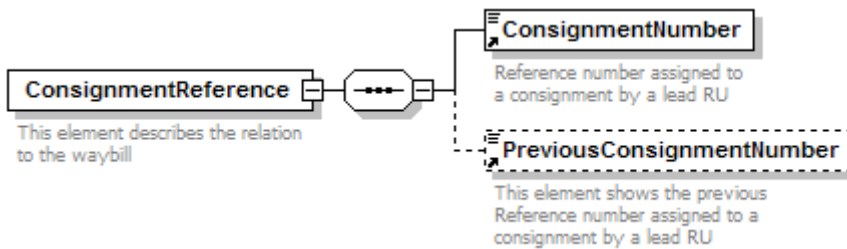
used by elements [WIMO Dataset v3-1/ConsignmentLevelData](#) [ConsignmentReference](#)

annotation documentation Reference number assigned to a consignment by a lead RU

```
<xs:element name="ConsignmentNumber" type="ConsignmentIdent">
<xs:annotation>
<xs:documentation>Reference number assigned to a consignment by a lead RU</xs:documentation>
</xs:annotation>
</xs:element>
```

element **ConsignmentReference**

diagram



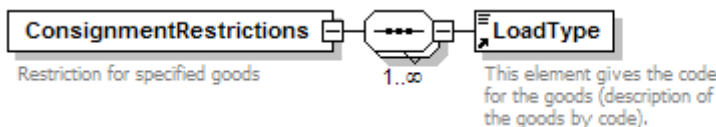
children [ConsignmentNumber](#) [PreviousConsignmentNumber](#)

annotation documentation This element describes the relation to the waybill

```
<xs:element name="ConsignmentReference">
<xs:annotation>
<xs:documentation>This element describes the relation to the waybill</xs:documentation>
</xs:annotation>
<xs:complexType>
<xs:sequence>
<xs:element ref="ConsignmentNumber"/>
<xs:element ref="PreviousConsignmentNumber" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
```

element **ConsignmentRestrictions**

diagram



children [LoadType](#)

used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation Restriction for specified goods

```
<xs:element name="ConsignmentRestrictions">
```



Database (WIMO))

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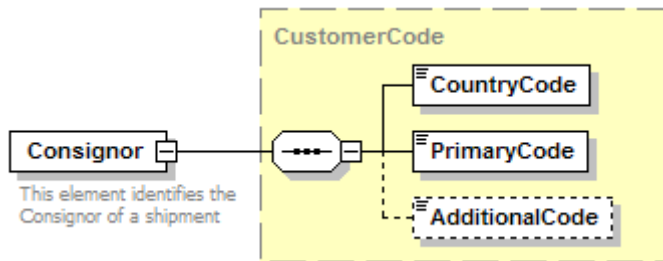
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```

<xs:annotation>
  <xs:documentation>Restriction for specified goods</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence maxOccurs="unbounded">
    <xs:element ref="LoadType"/>
  </xs:sequence>
</xs:complexType>
</xs:element>
    
```

element **Consignor**

diagram



type [CustomerCode](#)

children [CountryCode](#) [PrimaryCode](#) [AdditionalCode](#)

used by element [WIMO Dataset v3-1/ConsignmentLevelData/CustomerInformation](#)

annotation documentation This element identifies the Consignor of a shipment

```

source <xs:element name="Consignor" type="CustomerCode">
  <xs:annotation>
    <xs:documentation>This element identifies the Consignor of a shipment</xs:documentation>
  </xs:annotation>
</xs:element>
    
```

element **ConsignorAssignedReference**

diagram



type **xs:string**

used by element [WIMO Dataset v3-1/ConsignmentLevelData](#)

annotation documentation Reference identifier for the consignment, assigned by Consignor

```

source <xs:element name="ConsignorAssignedReference" type="xs:string">
  <xs:annotation>
    <xs:documentation>Reference identifier for the consignment, assigned by Consignor</xs:documentation>
  </xs:annotation>
</xs:element>
    
```



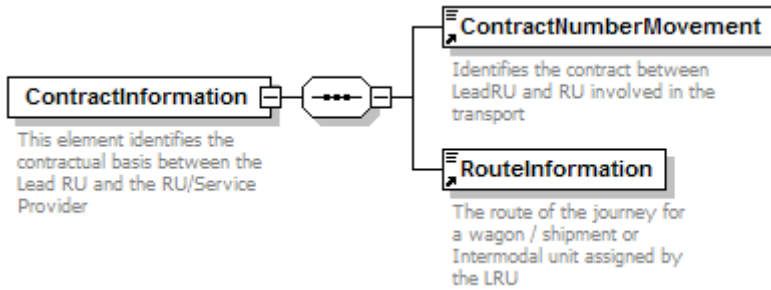
Database (WIMO))

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element **ContractInformation**

diagram



children [ContractNumberMovement](#) [RouteInformation](#)

used by element [WIMO Dataset v3-1/ConsignmentLevelData](#)

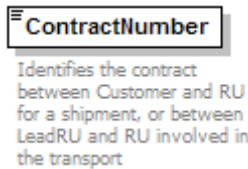
annotation documentation This element identifies the contractual basis between the Lead RU and the RU/Service Provider

```

source <xs:element name="ContractInformation">
  <xs:annotation>
    <xs:documentation>This element identifies the contractual basis between the Lead RU and the RU/Service
Provider</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ContractNumberMovement"/>
      <xs:element ref="RouteInformation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
    
```

element **ContractNumber**

diagram



type [FreeText](#)

facets length 255

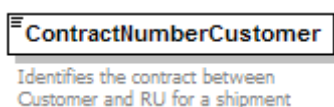
annotation documentation Identifies the contract between Customer and RU for a shipment, or between LeadRU and RU involved in the transport

```

source <xs:element name="ContractNumber" type="FreeText">
  <xs:annotation>
    <xs:documentation>Identifies the contract between Customer and RU for a shipment, or between LeadRU and RU
involved in the transport</xs:documentation>
  </xs:annotation>
</xs:element>
    
```

element **ContractNumberCustomer**

diagram



type [FreeText](#)

used by element [WIMO Dataset v3-1/ConsignmentLevelData](#)



Database (WIMO))

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facets length 255

annotation documentation Identifies the contract between Customer and RU for a shipment

source `<xs:element name="ContractNumberCustomer" type="FreeText">
<xs:annotation>
<xs:documentation>Identifies the contract between Customer and RU for a shipment</xs:documentation>
</xs:annotation>
</xs:element>`

element **ContractNumberMovement**

diagram

type [FreeText](#)

used by element [ContractInformation](#)

facets length 255

annotation documentation Identifies the contract between LeadRU and RU involved in the transport

source `<xs:element name="ContractNumberMovement" type="FreeText">
<xs:annotation>
<xs:documentation>Identifies the contract between LeadRU and RU involved in the transport</xs:documentation>
</xs:annotation>
</xs:element>`

element **ControlContactIdent**

diagram

type [CommunicationRefID](#)

facets length 70

annotation documentation The Control contact identity for all ship to shore communications

source `<xs:element name="ControlContactIdent" type="CommunicationRefID">
<xs:annotation>
<xs:documentation>The Control contact identity for all ship to shore communications</xs:documentation>
</xs:annotation>
</xs:element>`

element **CouplingType**

diagram

type restriction of [IdentCode](#)

used by element [RollingStockDataset/DesignDataSet](#)

facets enumeration 0
enumeration 1
enumeration 2
enumeration 3
enumeration 4

source `<xs:element name="CouplingType">
<xs:simpleType>
<xs:restriction base="IdentCode">`



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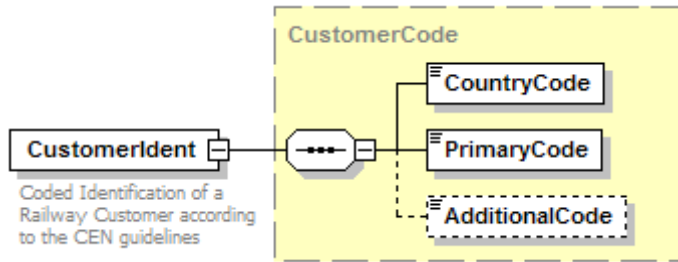
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```

<xs:enumeration value="0"/>
<xs:enumeration value="1"/>
<xs:enumeration value="2"/>
<xs:enumeration value="3"/>
<xs:enumeration value="4"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
    
```

element **CustomerIdent**

diagram



type [CustomerCode](#)

children [CountryCode](#) [PrimaryCode](#) [AdditionalCode](#)

annotation documentation Coded Identification of a Railway Customer according to the CEN guidelines

```

source <xs:element name="CustomerIdent" type="CustomerCode">
  <xs:annotation>
    <xs:documentation>Coded Identification of a Railway Customer according to the CEN guidelines</xs:documentation>
  </xs:annotation>
</xs:element>
    
```

element **CustomerName**

diagram



type [Name](#)

used by elements [WIMO Dataset v3-1/ConsignmentLevelData/CustomerInformation](#) [WIMO Dataset v3-1/ConsignmentLevelData/CustomerInformation](#)

facets length 254

annotation documentation Identifies a Customer (Consignor or Consignee) by Name in Clear Text

```

source <xs:element name="CustomerName" type="Name">
  <xs:annotation>
    <xs:documentation>Identifies a Customer (Consignor or Consignee) by Name in Clear Text</xs:documentation>
  </xs:annotation>
</xs:element>
    
```



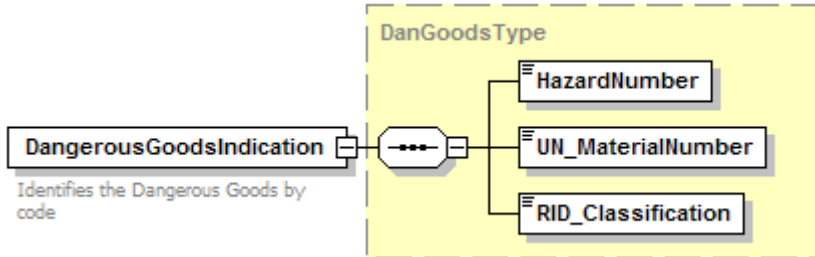

Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

element **DangerousGoodsIndication**

diagram



type [DanGoodsType](#)

children [HazardNumber](#) [UN_MaterialNumber](#) [RID_Classification](#)

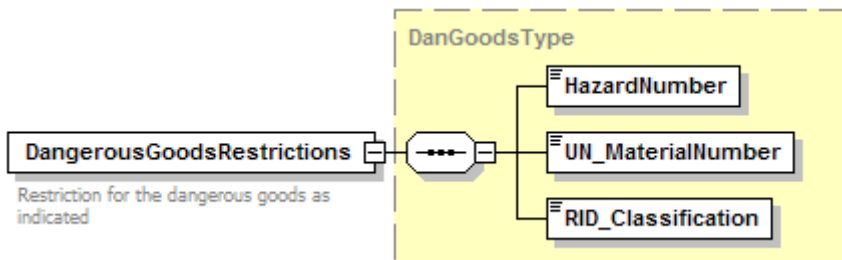
used by element [WIMO Dataset v3-1/ConsignmentLevelData](#)

annotation documentation Identifies the Dangerous Goods by code

```
<xs:element name="DangerousGoodsIndication" type="DanGoodsType">
  <xs:annotation>
    <xs:documentation>Identifies the Dangerous Goods by code</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **DangerousGoodsRestrictions**

diagram



type [DanGoodsType](#)

children [HazardNumber](#) [UN_MaterialNumber](#) [RID_Classification](#)

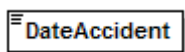
used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation Restriction for the dangerous goods as indicated

```
<xs:element name="DangerousGoodsRestrictions" type="DanGoodsType">
  <xs:annotation>
    <xs:documentation>Restriction for the dangerous goods as indicated</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **DateAccident**

diagram



type **xs:date**

used by element [RollingStockDataset/DesignDataSet/RepairStatus](#)

```
<xs:element name="DateAccident" type="xs:date"/>
```



Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

element **DateEC_Verification**

diagram



used by element [EC_Verification](#)

annotation documentation Date of the EC Verification

```
<xs:element name="DateEC_Verification">
  <xs:annotation>
    <xs:documentation>Date of the EC Verification</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **DateLastRepair**

diagram



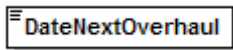
type **xs:date**

used by element [RollingStockDataset/DesignDataSet/RepairStatus](#)

```
<xs:element name="DateLastRepair" type="xs:date"/>
```

element **DateNextOverhaul**

diagram



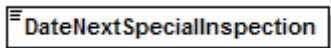
type **xs:date**

used by element [RollingStockDataset/DesignDataSet](#)

```
<xs:element name="DateNextOverhaul" type="xs:date"/>
```

element **DateNextSpecialInspection**

diagram

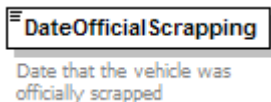


type **xs:date**

```
<xs:element name="DateNextSpecialInspection" type="xs:date"/>
```

element **DateOfficialScrapping**

diagram



type **xs:date**

used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation Date that the vehicle was officially scrapped

```
<xs:element name="DateOfficialScrapping" type="xs:date">
  <xs:annotation>
    <xs:documentation>Date that the vehicle was officially scrapped</xs:documentation>
  </xs:annotation>
</xs:element>
```



Database (WIMO))

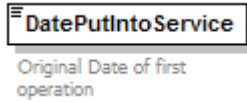
Annex 1 : WIMO data

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</xs:element>

element **DatePutIntoService**

diagram



type **xs:date**

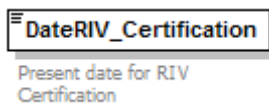
used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation Original Date of first operation

```
<xs:element name="DatePutIntoService" type="xs:date">
  <xs:annotation>
    <xs:documentation>Original Date of first operation</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **DateRIV_Certification**

diagram



type **xs:date**

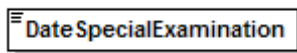
used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation Present date for RIV Certification

```
<xs:element name="DateRIV_Certification" type="xs:date">
  <xs:annotation>
    <xs:documentation>Present date for RIV Certification</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **DateSpecialExamination**

diagram



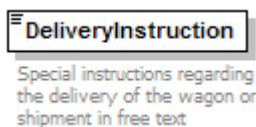
type **xs:date**

used by element [SpecialExamination](#)

```
<xs:element name="DateSpecialExamination" type="xs:date"/>
```

element **DeliveryInstruction**

diagram



type [FreeText](#)

facets length 255

annotation documentation Special instructions regarding the delivery of the wagon or shipment in free text

```
<xs:element name="DeliveryInstruction" type="FreeText">
  <xs:annotation>
```

Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating



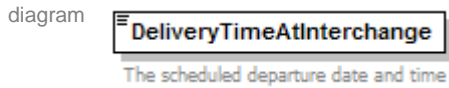
Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

```
<xs:documentation>Special instructions regarding the delivery of the wagon or shipment in free text</xs:documentation>
</xs:annotation>
</xs:element>
```

element **DeliveryTimeAtInterchange**



type [DateTime](#)

used by element [NextIntermediateDestination](#)

annotation documentation The scheduled departure date and time

```
source <xs:element name="DeliveryTimeAtInterchange" type="DateTime">
  <xs:annotation>
    <xs:documentation>The scheduled departure date and time </xs:documentation>
  </xs:annotation>
</xs:element>
```

element **Description**



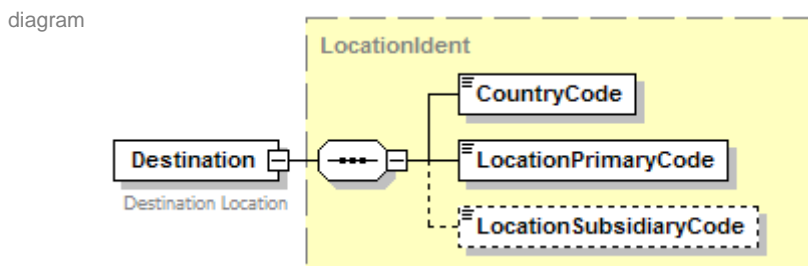
type **xs:string**

used by elements [SpecialExamination](#) [TechnicalForwardingRestrictions](#)

annotation documentation Description in Free-form text

```
source <xs:element name="Description" type="xs:string">
  <xs:annotation>
    <xs:documentation>Description in Free-form text</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **Destination**



type [LocationIdent](#)

children [CountryCode](#) [LocationPrimaryCode](#) [LocationSubsidiaryCode](#)

used by element [WIMO Dataset v3-1/ConsignmentLevelData](#)

annotation documentation Destination Location

```
source <xs:element name="Destination" type="LocationIdent">
  <xs:annotation>
    <xs:documentation>Destination Location</xs:documentation>
  </xs:annotation>
</xs:element>
```



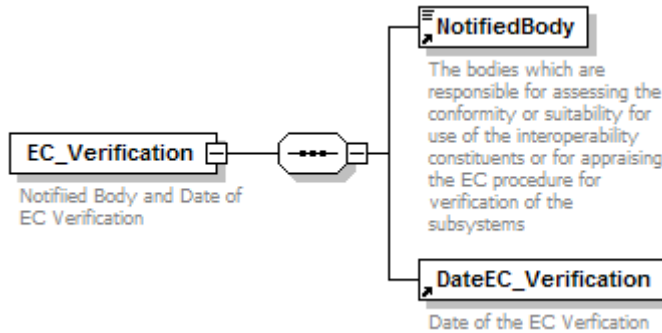
Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

element **EC_Verification**

diagram



children [NotifiedBody](#) [DateEC_Verification](#)

used by element [RollingStockDataset/AdministrativeDataSet](#)

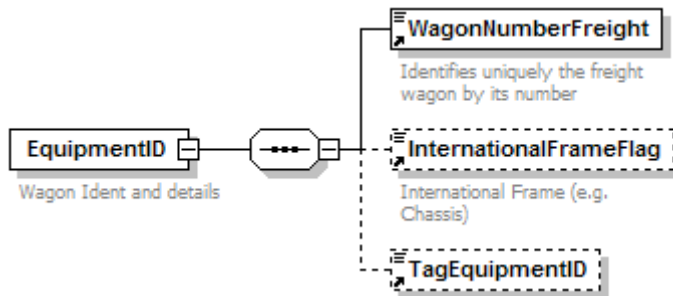
annotation documentation Notified Body and Date of EC Verification

```

source <xs:element name="EC_Verification">
  <xs:annotation>
    <xs:documentation>Notified Body and Date of EC Verification</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="NotifiedBody"/>
      <xs:element ref="DateEC_Verification"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
    
```

element **EquipmentID**

diagram



children [WagonNumberFreight](#) [InternationalFrameFlag](#) [TagEquipmentID](#)

used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation Wagon Ident and details

```

source <xs:element name="EquipmentID">
  <xs:annotation>
    <xs:documentation>Wagon Ident and details</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonNumberFreight"/>
      <xs:element ref="InternationalFrameFlag" minOccurs="0"/>
      <xs:element ref="TagEquipmentID" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
    
```



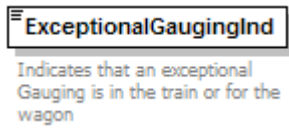
Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

element **ExceptionalGaugingInd**

diagram



type [InfoIndex](#)

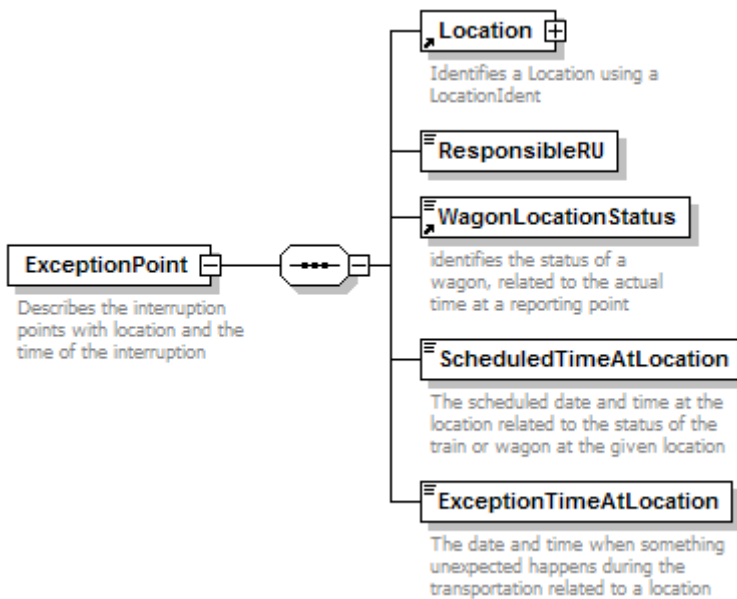
facets enumeration 10
enumeration 20
enumeration 30

annotation documentation Indicates that an exceptional Gauging is in the train or for the wagon

```
<xs:element name="ExceptionalGaugingInd" type="InfoIndex">
  <xs:annotation>
    <xs:documentation>Indicates that an exceptional Gauging is in the train or for the wagon</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **ExceptionPoint**

diagram



children [Location](#) [ResponsibleRU](#) [WagonLocationStatus](#) [ScheduledTimeAtLocation](#) [ExceptionTimeAtLocation](#)

used by element [WagonExceptionReport](#)

annotation documentation Describes the interruption points with location and the time of the interruption

```
<xs:element name="ExceptionPoint">
  <xs:annotation>
    <xs:documentation>Describes the interruption points with location and the time of the interruption</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Location"/>
      <xs:element name="ResponsibleRU" type="CompanyCode"/>
      <xs:element ref="WagonLocationStatus"/>
      <xs:element name="ScheduledTimeAtLocation" type="DateTime">
        <xs:annotation>
          <xs:documentation>The scheduled date and time at the location related to the status of the train or wagon at the given location</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

```

<xs:element name="ExceptionTimeAtLocation" type="DateTime">
  <xs:annotation>
    <xs:documentation>The date and time when something unexpected happens during the transportation related to a
location </xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
    
```

element **ExceptionPoint/ResponsibleRU**



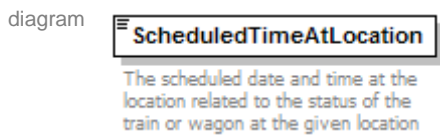
type [CompanyCode](#)

facets minInclusive 0001
maxInclusive 9999

```

source <xs:element name="ResponsibleRU" type="CompanyCode"/>
    
```

element **ExceptionPoint/ScheduledTimeAtLocation**



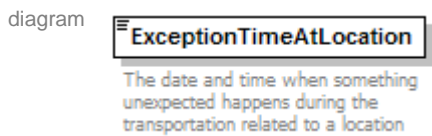
type [DateTime](#)

annotation documentation The scheduled date and time at the location related to the status of the train or wagon at the given location

```

source <xs:element name="ScheduledTimeAtLocation" type="DateTime">
  <xs:annotation>
    <xs:documentation>The scheduled date and time at the location related to the status of the train or wagon at the
given location</xs:documentation>
  </xs:annotation>
</xs:element>
    
```

element **ExceptionPoint/ExceptionTimeAtLocation**



type [DateTime](#)

annotation documentation The date and time when something unexpected happens during the transportation related to a location

```

source <xs:element name="ExceptionTimeAtLocation" type="DateTime">
  <xs:annotation>
    <xs:documentation>The date and time when something unexpected happens during the transportation related to a
location </xs:documentation>
  </xs:annotation>
</xs:element>
    
```



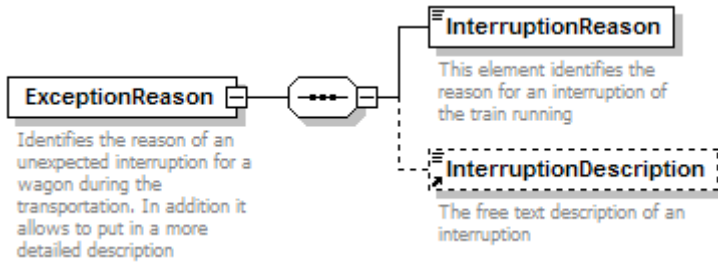
Database (WIMO))

Annex 1 : WIMO data

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element **ExceptionReason**

diagram



children [InterruptionReason](#) [InterruptionDescription](#)

used by element [WagonExceptionReport](#)

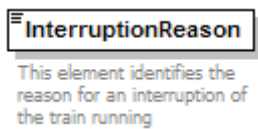
annotation documentation Identifies the reason of an unexpected interruption for a wagon during the transportation. In addition it allows to put in a more detailed description

```

source <xs:element name="ExceptionReason">
  <xs:annotation>
    <xs:documentation>Identifies the reason of an unexpected interruption for a wagon during the transportation. In addition it allows to put in a more detailed description</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="InterruptionReason" type="DelayCode">
        <xs:annotation>
          <xs:documentation>This element identifies the reason for an interruption of the train running</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="InterruptionDescription" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
    
```

element **ExceptionReason/InterruptionReason**

diagram



type [DelayCode](#)

- facets enumeration 11
- enumeration 10
- enumeration 12
- enumeration 13
- enumeration 14
- enumeration 15
- enumeration 16
- enumeration 17
- enumeration 18
- enumeration 19
- enumeration 20
- enumeration 21
- enumeration 22
- enumeration 24
- enumeration 25
- enumeration 26
- enumeration 27
- enumeration 28
- enumeration 29
- enumeration 31
- enumeration 30
- enumeration 32
- enumeration 33



Database (WIMO))

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- enumeration 34
- enumeration 39
- enumeration 40
- enumeration 41
- enumeration 42
- enumeration 43
- enumeration 49
- enumeration 50
- enumeration 51
- enumeration 52
- enumeration 53
- enumeration 54
- enumeration 59
- enumeration 60
- enumeration 61
- enumeration 62
- enumeration 63
- enumeration 64
- enumeration 65
- enumeration 66
- enumeration 70
- enumeration 69
- enumeration 71
- enumeration 72
- enumeration 73
- enumeration 74
- enumeration 75
- enumeration 76
- enumeration 79
- enumeration 80
- enumeration 81
- enumeration 82
- enumeration 83
- enumeration 84
- enumeration 85
- enumeration 86
- enumeration 89

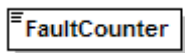
annotation documentation This element identifies the reason for an interruption of the train running

```

source <xs:element name="InterruptionReason" type="DelayCode">
  <xs:annotation>
    <xs:documentation>This element identifies the reason for an interruption of the train running</xs:documentation>
  </xs:annotation>
</xs:element>
    
```

element **FaultCounter**

diagram



Number of faults since last overhaul

type restriction of **xs:int**

used by element [RollingStockDataset/DesignDataSet/RepairStatus](#)

facets
 minInclusive 1
 maxInclusive 999

annotation documentation Number of faults since last overhaul

```

source <xs:element name="FaultCounter">
  <xs:annotation>
    <xs:documentation>Number of faults since last overhaul</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
    
```



Database (WIMO))

Annex 1 : WIMO data

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element **FaultDescription**

diagram

type **xs:string**

used by element [RollingStockDataset/DesignDataSet/RepairStatus](#)

source `<xs:element name="FaultDescription" type="xs:string"/>`

element **FerryPermittedFlag**

diagram

type **xs:boolean**

used by element [RollingStockDataset/DesignDataSet](#)

source `<xs:element name="FerryPermittedFlag" type="xs:boolean"/>`

element **FireProtectionCategory**

diagram

used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation *????????? - Ask Simon Fletcher*

source `<xs:element name="FireProtectionCategory">
<xs:annotation>
<xs:documentation>????????? - Ask Simon Fletcher</xs:documentation>
</xs:annotation>
</xs:element>`

element **FleetManager**

diagram

The fleet manager is the overall controller of a wagon fleet. Primarily a fleet manager controls the logistics of wagons (dispatching / disposition) from an operational and asset management point of view

type [CompanyCode](#)

used by element [RollingStockDataset/AdministrativeDataSet](#)

facets minInclusive 0001 maxInclusive 9999

annotation documentation The fleet manager is the overall controller of a wagon fleet. Primarily a fleet manager controls the logistics of wagons (dispatching / disposition) from an operational and asset management point of view

source `<xs:element name="FleetManager" type="CompanyCode">
<xs:annotation>
<xs:documentation>The fleet manager is the overall controller of a wagon fleet. Primarily a fleet manager controls the logistics of wagons (dispatching / disposition) from an operational and asset management point of view</xs:documentation>
</xs:annotation>`



Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

</xs:element>

element **GeographicLimitations**

diagram



type **xs:string**

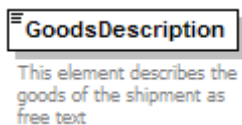
used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation Restriction on operation of wagons in geographic locations

```
<xs:element name="GeographicLimitations" type="xs:string">
  <xs:annotation>
    <xs:documentation>Restriction on operation of wagons in geographic locations</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **GoodsDescription**

diagram



type [FreeText](#)

used by element [ConsignmentDescription](#)

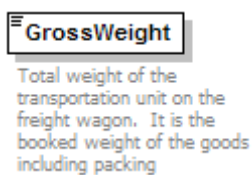
facets length 255

annotation documentation This element describes the goods of the shipment as free text

```
<xs:element name="GoodsDescription" type="FreeText">
  <xs:annotation>
    <xs:documentation>This element describes the goods of the shipment as free text</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **GrossWeight**

diagram



type [WeightValueKilo](#)

used by element [ConsignmentDescription](#)

facets minInclusive 1
maxInclusive 999999
whiteSpace collapse

annotation documentation Total weight of the transportation unit on the freight wagon. It is the booked weight of the goods including packing

```
<xs:element name="GrossWeight" type="WeightValueKilo">
  <xs:annotation>
    <xs:documentation>Total weight of the transportation unit on the freight wagon. It is the booked weight of the goods including packing</xs:documentation>
  </xs:annotation>
</xs:element>
```



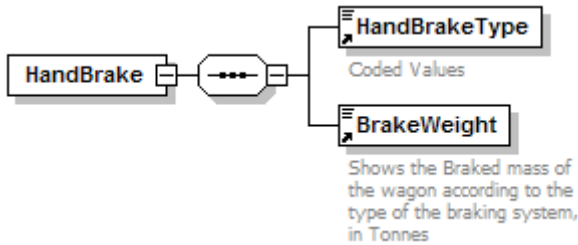
Database (WIMO))

Annex 1 : WIMO data

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element **HandBrake**

diagram



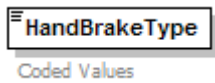
children [HandBrakeType](#) [BrakeWeight](#)

used by element [RollingStockDataset/DesignDataSet](#)

```
<xs:element name="HandBrake">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="HandBrakeType"/>
      <xs:element ref="BrakeWeight"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **HandBrakeType**

diagram



type restriction of [IdentCode](#)

used by element [HandBrake](#)

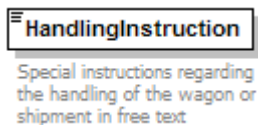
- facets
- enumeration 0
 - enumeration 1
 - enumeration 2
 - enumeration 3
 - enumeration 4

annotation documentation Coded Values

```
<xs:element name="HandBrakeType">
  <xs:annotation>
    <xs:documentation>Coded Values</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="IdentCode">
      <xs:enumeration value="0"/>
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
      <xs:enumeration value="3"/>
      <xs:enumeration value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **HandlingInstruction**

diagram



type [FreeText](#)

Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating



Database (WIMO))

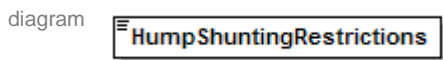
Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

used by element [WagonInstruction](#)
facets length 255
annotation documentation Special instructions regarding the handling of the wagon or shipment in free text
source

```
<xs:element name="HandlingInstruction" type="FreeText">  
<xs:annotation>  
<xs:documentation>Special instructions regarding the handling of the wagon or shipment in free text</xs:documentation>  
</xs:annotation>  
</xs:element>
```

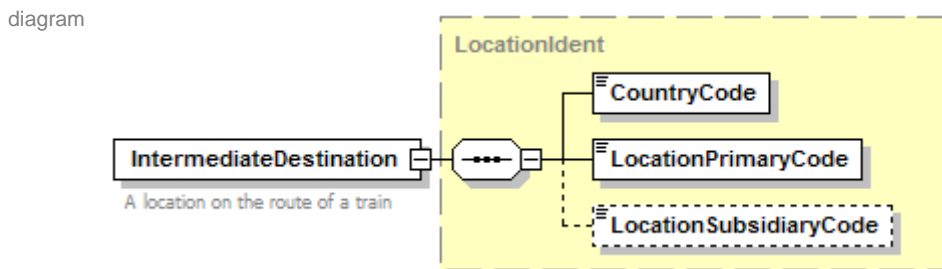
element HumpShuntingRestrictions



type **xs:string**
used by element [RollingStockDataset/DesignDataSet](#)
source

```
<xs:element name="HumpShuntingRestrictions" type="xs:string"/>
```

element IntermediateDestination



type [LocationIdent](#)
children [CountryCode](#) [LocationPrimaryCode](#) [LocationSubsidiaryCode](#)
used by element [NextIntermediateDestination](#)
annotation documentation A location on the route of a train
source

```
<xs:element name="IntermediateDestination" type="LocationIdent">  
<xs:annotation>  
<xs:documentation>A location on the route of a train</xs:documentation>  
</xs:annotation>  
</xs:element>
```

element InternationalFrameFlag



type **xs:boolean**
used by element [EquipmentID](#)
annotation documentation International Frame (e.g. Chassis)
source

```
<xs:element name="InternationalFrameFlag" type="xs:boolean">  
<xs:annotation>  
<xs:documentation>International Frame (e.g. Chassis)</xs:documentation>  
</xs:annotation>
```



Database (WIMO))

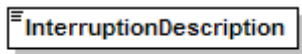
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</xs:element>

element **InterruptionDescription**

diagram



The free text description of an interruption

type [FreeText](#)

used by element [ExceptionReason](#)

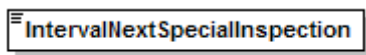
facets length 255

annotation documentation The free text description of an interruption

```
source <xs:element name="InterruptionDescription" type="FreeText">
  <xs:annotation>
    <xs:documentation>The free text description of an interruption</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **IntervalNextSpecialInspection**

diagram



Specified in months

type restriction of **xs:int**

used by element [RollingStockDataset/DesignDataSet](#)

facets minInclusive 1

maxInclusive 99

annotation documentation Specified in months

```
source <xs:element name="IntervalNextSpecialInspection">
  <xs:annotation>
    <xs:documentation>Specified in months</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="99"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Keeper**

diagram



The person, who being the owner or having the right to dispose of it, exploits a vehicle economically in a permanent manner as a means of transport and is registered as such in the Rolling Stock Register.

type [CompanyCode](#)

used by element [RollingStockDataset/AdministrativeDataSet](#)

facets minInclusive 0001

maxInclusive 9999



Database (WIMO))

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annotation documentation The person, who being the owner or having the right to dispose of it, exploits a vehicle economically in a permanent manner as a means of transport and is registered as such in the Rolling Stock Register.

source `<xs:element name="Keeper" type="CompanyCode">`
`<xs:annotation>`
`<xs:documentation>`The person, who being the owner or having the right to dispose of it, exploits a vehicle economically in a permanent manner as a means of transport and is registered as such in the Rolling Stock Register.`</xs:documentation>`
`</xs:annotation>`
`</xs:element>`

element Kilometres



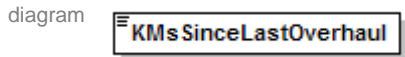
type **xs:integer**

used by element [MaintenanceCycle](#)

annotation documentation Expression of number of Kilometres

source `<xs:element name="Kilometres" type="xs:integer">`
`<xs:annotation>`
`<xs:documentation>`Expression of number of Kilometres`</xs:documentation>`
`</xs:annotation>`
`</xs:element>`

element KMsSinceLastOverhaul



type **xs:integer**

used by element [RollingStockDataset/DesignDataSet](#)

source `<xs:element name="KMsSinceLastOverhaul" type="xs:integer"/>`

element LengthOverBuffers



type restriction of **xs:integer**

used by element [RollingStockDataset/DesignDataSet](#)

facets minInclusive 1
 maxInclusive 999

annotation documentation Measured in dm

source `<xs:element name="LengthOverBuffers">`
`<xs:annotation>`
`<xs:documentation>`Measured in dm`</xs:documentation>`
`</xs:annotation>`
`<xs:simpleType>`
`<xs:restriction base="xs:integer">`
`<xs:minInclusive value="1"/>`
`<xs:maxInclusive value="999"/>`
`</xs:restriction>`
`</xs:simpleType>`
`</xs:element>`



Database (WIMO))

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element LoadArea

diagram



type xs:int

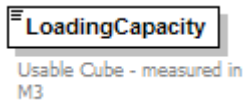
used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation Payload Area - measured in M2

```
<xs:element name="LoadArea" type="xs:int">
  <xs:annotation>
    <xs:documentation>Payload Area - measured in M2</xs:documentation>
  </xs:annotation>
</xs:element>
```

element LoadingCapacity

diagram



type restriction of xs:integer

used by element [RollingStockDataset/DesignDataSet](#)

facets minInclusive 1 maxInclusive 999

annotation documentation Usable Cube - measured in M3

```
<xs:element name="LoadingCapacity">
  <xs:annotation>
    <xs:documentation>Usable Cube - measured in M3</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element LoadingRestrictions

diagram



type xs:string

used by element [RollingStockDataset/DesignDataSet](#)

```
<xs:element name="LoadingRestrictions" type="xs:string"/>
```

element LoadLevel

diagram





Database (WIMO))

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type restriction of **xs:integer**

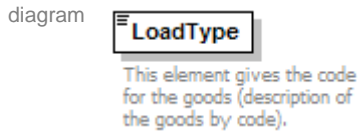
used by element [WagonInformation](#)

facets minInclusive 1
maxInclusive 9999

annotation documentation Height of load level above upper surface of rail in unloaded status. Measured in mms

source `<xs:element name="LoadLevel">
<xs:annotation>
<xs:documentation>Height of load level above upper surface of rail in unloaded status. Measured in mms</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:integer">
<xs:minInclusive value="1"/>
<xs:maxInclusive value="9999"/>
</xs:restriction>
</xs:simpleType>
</xs:element>`

element **LoadType**



type [CargoCodeType](#)

used by elements [ConsignmentDescription](#) [ConsignmentRestrictions](#)

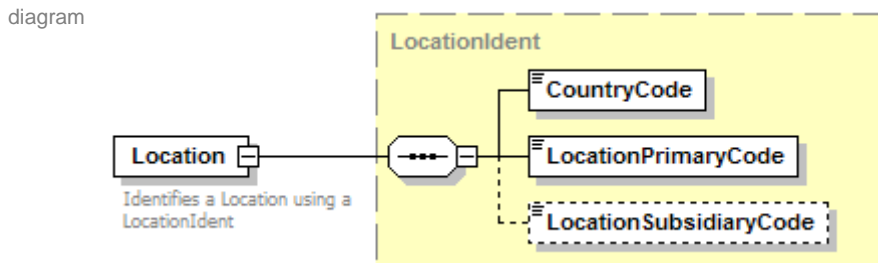
facets length 255

attributes	Name	Type	Use	Default	Fixed	Annotation
	CargoCodingType	IdentCode				

annotation documentation This element gives the code for the goods (description of the goods by code).

source `<xs:element name="LoadType" type="CargoCodeType">
<xs:annotation>
<xs:documentation>This element gives the code for the goods (description of the goods by code).</xs:documentation>
</xs:annotation>
</xs:element>`

element **Location**



type [LocationIdent](#)

children [CountryCode](#) [LocationPrimaryCode](#) [LocationSubsidiaryCode](#)

used by elements [ExceptionPoint](#) [WagonEventInformation](#)

annotation documentation Identifies a Location using a LocationIdent

source `<xs:element name="Location" type="LocationIdent">
<xs:annotation>`



Database (WIMO))

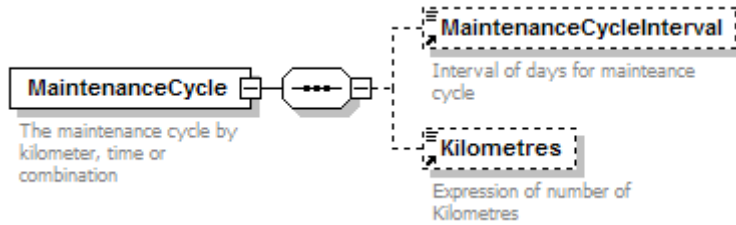
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```
<xs:documentation>Identifies a Location using a LocationIdent</xs:documentation>
</xs:annotation>
</xs:element>
```

element **MaintenanceCycle**

diagram



children [MaintenanceCycleInterval](#) [Kilometres](#)

used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation The maintenance cycle by kilometer, time or combination

```
source <xs:element name="MaintenanceCycle">
<xs:annotation>
<xs:documentation>The maintenance cycle by kilometer, time or combination</xs:documentation>
</xs:annotation>
<xs:complexType>
<xs:sequence>
<xs:element ref="MaintenanceCycleInterval" minOccurs="0"/>
<xs:element ref="Kilometres" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
```

element **MaintenanceCycleInterval**

diagram



type **xs:integer**

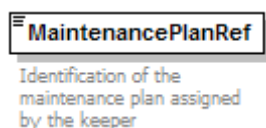
used by element [MaintenanceCycle](#)

annotation documentation Interval of days for maintenance cycle

```
source <xs:element name="MaintenanceCycleInterval" type="xs:integer">
<xs:annotation>
<xs:documentation>Interval of days for maintenance cycle</xs:documentation>
</xs:annotation>
</xs:element>
```

element **MaintenancePlanRef**

diagram



type **xs:string**

used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation Identification of the maintenance plan assigned by the keeper

```
source <xs:element name="MaintenancePlanRef" type="xs:string">
<xs:annotation>
```



Database (WIMO))

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```
<xs:documentation>Identification of the maintenance plan assigned by the keeper</xs:documentation>
</xs:annotation>
</xs:element>
```

element **MaintenanceResponsibility**

diagram



type [CompanyCode](#)

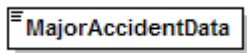
facets minInclusive 0001
maxInclusive 9999

annotation documentation Body responsible for maintenance of vehicle

```
source <xs:element name="MaintenanceResponsibility" type="CompanyCode">
<xs:annotation>
<xs:documentation>Body responsible for maintenance of vehicle</xs:documentation>
</xs:annotation>
</xs:element>
```

element **MajorAccidentData**

diagram



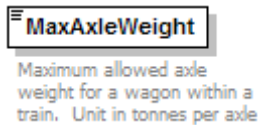
type **xs:string**

used by element [RollingStockDataset/DesignDataSet/RepairStatus](#)

```
source <xs:element name="MajorAccidentData" type="xs:string"/>
```

element **MaxAxleWeight**

diagram



type restriction of **xs:int**

used by elements [RollingStockDataset/DesignDataSet](#) [WagonTechData](#)

facets minInclusive 01
maxInclusive 99

annotation documentation Maximum allowed axle weight for a wagon within a train. Unit in tonnes per axle

```
source <xs:element name="MaxAxleWeight">
<xs:annotation>
<xs:documentation>Maximum allowed axle weight for a wagon within a train. Unit in tonnes per
axle</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:int">
<xs:minInclusive value="01"/>
<xs:maxInclusive value="99"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
```



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element **MaxGrossWeight**

diagram



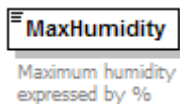
used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation Weight of max Gross Load Weight plus the tare weight of the equipment

```
source <xs:element name="MaxGrossWeight">
  <xs:annotation>
    <xs:documentation>Weight of max Gross Load Weight plus the tare weight of the equipment</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **MaxHumidity**

diagram



type restriction of **xs:float**

used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation Maximum humidity expressed by %

```
source <xs:element name="MaxHumidity">
  <xs:annotation>
    <xs:documentation>Maximum humidity expressed by %</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:float"/>
  </xs:simpleType>
</xs:element>
```

element **MaxLengthOfLoad**

diagram



type restriction of **xs:integer**

used by element [RollingStockDataset/DesignDataSet](#)

facets minInclusive 1
maxInclusive 999999

annotation documentation Measured in mm

```
source <xs:element name="MaxLengthOfLoad">
  <xs:annotation>
    <xs:documentation>Measured in mm</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```



Database (WIMO))

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element **MaxMetreLoad**

diagram



type restriction of **xs:float**

used by element [RollingStockDataset/DesignDataSet](#)

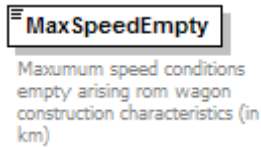
facets minInclusive 1
maxInclusive 999

annotation documentation Measured in Tonnes

```
<xs:element name="MaxMetreLoad">
  <xs:annotation>
    <xs:documentation>Measured in Tonnes</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:float">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MaxSpeedEmpty**

diagram



type restriction of **xs:integer**

used by element [RollingStockDataset/DesignDataSet](#)

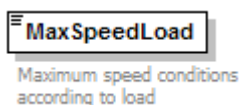
facets minInclusive 1
maxInclusive 999

annotation documentation Maximum speed conditions empty arising from wagon construction characteristics (in km)

```
<xs:element name="MaxSpeedEmpty">
  <xs:annotation>
    <xs:documentation>Maximum speed conditions empty arising from wagon construction characteristics (in km)</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MaxSpeedLoad**

diagram



type restriction of **xs:integer**

used by element [RollingStockDataset/DesignDataSet](#)



Database (WIMO))

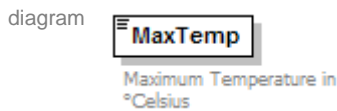
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facets minInclusive 1
maxInclusive 999
annotation documentation Maximum speed conditions according to load

```
source <xs:element name="MaxSpeedLoad">
  <xs:annotation>
    <xs:documentation>Maximum speed conditions according to load</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element MaxTemp



type restriction of **xs:int**
used by element [RollingStockDataset/DesignDataSet](#)
facets minInclusive 0
maxInclusive 99
annotation documentation Maximum Temperature in °Celsius

```
source <xs:element name="MaxTemp">
  <xs:annotation>
    <xs:documentation>Maximum Temperature in °Celsius</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="0"/>
      <xs:maxInclusive value="99"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element MinCurveRadius



type restriction of **xs:integer**
used by element [RollingStockDataset/DesignDataSet](#)
facets minInclusive 1
maxInclusive 999
annotation documentation Measured in Metres

```
source <xs:element name="MinCurveRadius">
  <xs:annotation>
    <xs:documentation>Measured in Metres</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```



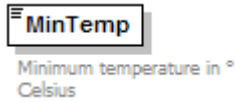
Database (WIMO))

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element **MinTemp**

diagram



type restriction of **xs:int**

used by element [RollingStockDataset/DesignDataSet](#)

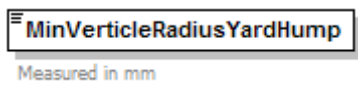
facets minInclusive -99
maxInclusive 0

annotation documentation Minimum temperature in ° Celsius

```
<xs:element name="MinTemp">
  <xs:annotation>
    <xs:documentation>Minimum temperature in ° Celsius</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="-99"/>
      <xs:maxInclusive value="0"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MinVerticleRadiusYardHump**

diagram



type restriction of **xs:integer**

used by element [RollingStockDataset/DesignDataSet](#)

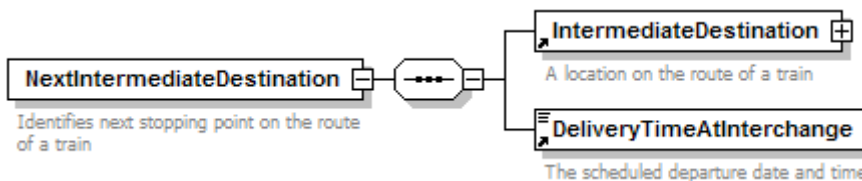
facets minInclusive 1
maxInclusive 9999

annotation documentation Measured in mm

```
<xs:element name="MinVerticleRadiusYardHump">
  <xs:annotation>
    <xs:documentation>Measured in mm</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="9999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **NextIntermediateDestination**

diagram



children [IntermediateDestination](#) [DeliveryTimeAtInterchange](#)

used by element [WIMO Dataset v3-1/ConsignmentLevelData](#)



Database (WIMO))

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annotation documentation Identifies next stopping point on the route of a train

```
source <xs:element name="NextIntermediateDestination">
  <xs:annotation>
    <xs:documentation>Identifies next stopping point on the route of a train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="IntermediateDestination"/>
      <xs:element ref="DeliveryTimeAtInterchange"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element NextResponsibleRU



type [CompanyCode](#)

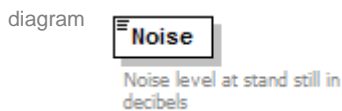
used by element [WIMO Dataset v3-1/ConsignmentLevelData](#)

facets minInclusive 0001
maxInclusive 9999

annotation documentation The RU who is responsible for the train operation on the next journey section.

```
source <xs:element name="NextResponsibleRU" type="CompanyCode">
  <xs:annotation>
    <xs:documentation>The RU who is responsible for the train operation on the next journey
    section.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element Noise



type restriction of **xs:integer**

used by element [RollingStockDataset/DesignDataSet](#)

facets minInclusive 1
maxInclusive 999

annotation documentation Noise level at stand still in decibels

```
source <xs:element name="Noise">
  <xs:annotation>
    <xs:documentation>Noise level at stand still in decibels</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

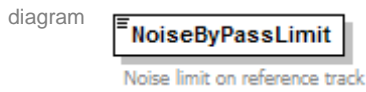



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element **NoiseByPassLimit**



type restriction of **xs:integer**

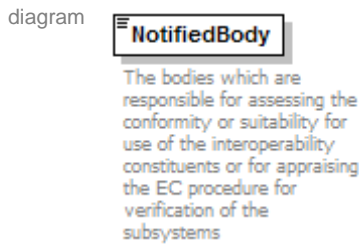
used by element [RollingStockDataset/DesignDataSet](#)

facets minInclusive 1
maxInclusive 999

annotation documentation Noise limit on reference track

```
<xs:element name="NoiseByPassLimit">
  <xs:annotation>
    <xs:documentation>Noise limit on reference track</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **NotifiedBody**



type [CompanyCode](#)

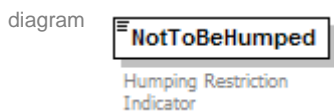
used by elements [EC Verification Registration](#)

facets minInclusive 0001
maxInclusive 9999

annotation documentation The bodies which are responsible for assessing the conformity or suitability for use of the interoperability constituents or for appraising the EC procedure for verification of the subsystems

```
<xs:element name="NotifiedBody" type="CompanyCode">
  <xs:annotation>
    <xs:documentation>The bodies which are responsible for assessing the conformity or suitability for use of the interoperability constituents or for appraising the EC procedure for verification of the subsystems</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **NotToBeHumped**



type **xs:boolean**

annotation documentation Humping Restriction Indicator

```
<xs:element name="NotToBeHumped" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Humping Restriction Indicator</xs:documentation>
  </xs:annotation>
</xs:element>
```



Database (WIMO))

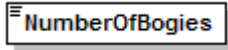
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</xs:annotation>
</xs:element>

element **NumberOfBogies**

diagram



type restriction of **xs:int**

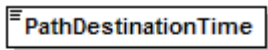
used by element [RollingStockDataset/DesignDataSet](#)

facets
minInclusive 1
maxInclusive 9

```
<xs:element name="NumberOfBogies">  
  <xs:simpleType>  
    <xs:restriction base="xs:int">  
      <xs:minInclusive value="1"/>  
      <xs:maxInclusive value="9"/>  
    </xs:restriction>  
  </xs:simpleType>  
</xs:element>
```

element **PathDestinationTime**

diagram



The arrival Date and Time for a train at the destination for which the path is requested at the path end point.

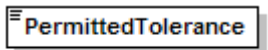
type [DateTime](#)

annotation documentation The arrival Date and Time for a train at the destination for which the path is requested at the path end point.

```
<xs:element name="PathDestinationTime" type="DateTime">  
  <xs:annotation>  
    <xs:documentation>The arrival Date and Time for a train at the destination for which the path is requested at the path end point.</xs:documentation>  
  </xs:annotation>  
</xs:element>
```

element **PermittedTolerance**

diagram



Permitted tolerance after date of overhaul (in months)

type restriction of **xs:integer**

used by element [RollingStockDataset/DesignDataSet](#)

facets
minInclusive 1
maxInclusive 99

annotation documentation Permitted tolerance after date of overhaul (in months)

```
<xs:element name="PermittedTolerance">  
  <xs:annotation>  
    <xs:documentation>Permitted tolerance after date of overhaul (in months)</xs:documentation>  
  </xs:annotation>  
  <xs:simpleType>  
    <xs:restriction base="xs:integer">  
      <xs:minInclusive value="1"/>  
      <xs:maxInclusive value="99"/>  
    </xs:restriction>  
  </xs:simpleType>
```



Database (WIMO))

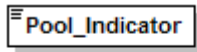
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</xs:element>

element Pool_Indicator

diagram



Grouping indicator for vehicles assigned to a 'pool' normally assigned to a specific shipper or region.

type xs:string

used by element RollingStockDataset/AdministrativeDataSet

annotation documentation Grouping indicator for vehicles assigned to a 'pool' normally assigned to a specific shipper or region.

source <xs:element name="Pool_Indicator" type="xs:string">
<xs:annotation>
<xs:documentation>Grouping indicator for vehicles assigned to a 'pool' normally assigned to a specific shipper or region. </xs:documentation>
</xs:annotation>
</xs:element>

element PreviousConsignmentNumber

diagram



This element shows the previous Reference number assigned to a consignment by a lead RU

type ConsignmentIdent

used by elements WIMO_Dataset_v3-1/ConsignmentLevelData ConsignmentReference

annotation documentation This element shows the previous Reference number assigned to a consignment by a lead RU

source <xs:element name="PreviousConsignmentNumber" type="ConsignmentIdent">
<xs:annotation>
<xs:documentation>This element shows the previous Reference number assigned to a consignment by a lead RU</xs:documentation>
</xs:annotation>
</xs:element>

element PreviousResponsibleRU

diagram



This element identifies the RU, who was responsible for the train operation on the journey section before an interchange point

type CompanyCode

used by element WIMO_Dataset_v3-1/ConsignmentLevelData

facets minInclusive 0001 maxInclusive 9999

annotation documentation This element identifies the RU, who was responsible for the train operation on the journey section before an interchange point

source <xs:element name="PreviousResponsibleRU" type="CompanyCode">
<xs:annotation>
<xs:documentation>This element identifies the RU, who was responsible for the train operation on the journey section before an interchange point</xs:documentation>
</xs:annotation>
</xs:element>



Database (WIMO))

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element **RebuildManufacturer**

diagram



type [CompanyCode](#)

used by element [RollingStockDataset/AdministrativeDataSet](#)

facets minInclusive 0001
maxInclusive 9999

annotation documentation Party providing the Rebuild of the equipment

```
<xs:element name="RebuildManufacturer" type="CompanyCode">
  <xs:annotation>
    <xs:documentation>Party providing the Rebuild of the equipment</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **RefusedBy**

diagram



type [CountryIdent](#)

used by element [RollingStockDataset/AdministrativeDataSet](#)

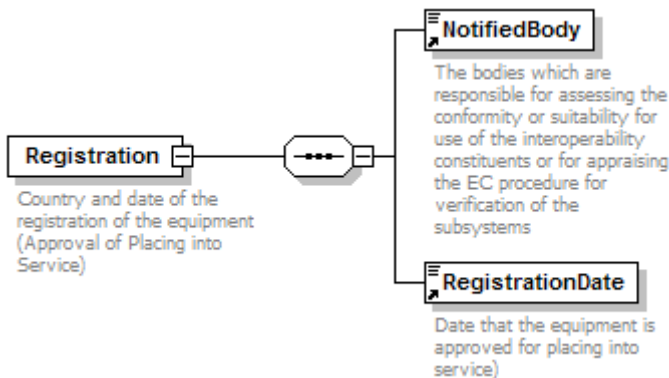
facets minLength 2
maxLength 2

annotation documentation Country refusing the equipment

```
<xs:element name="RefusedBy" type="CountryIdent">
  <xs:annotation>
    <xs:documentation>Country refusing the equipment</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **Registration**

diagram



children [NotifiedBody](#) [RegistrationDate](#)

used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation Country and date of the registration of the equipment (Approval of Placing into Service)

```
<xs:element name="Registration">
  <xs:annotation>
```

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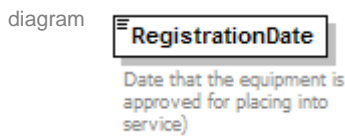
Database (WIMO))

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```
<xs:documentation>Country and date of the registration of the equipment (Approval of Placing into Service)</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element ref="NotifiedBody"/>
    <xs:element ref="RegistrationDate"/>
  </xs:sequence>
</xs:complexType>
</xs:element>
```

element RegistrationDate



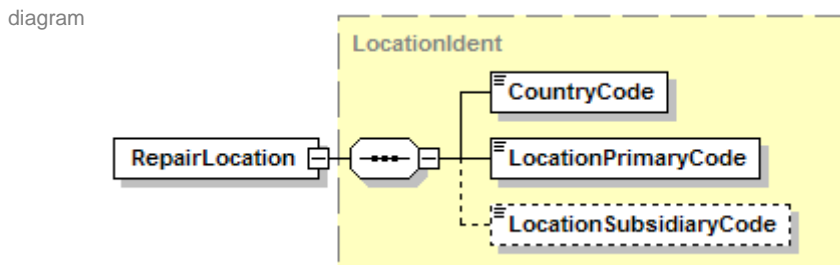
type **xs:date**

used by element [Registration](#)

annotation documentation Date that the equipment is approved for placing into service)

```
source <xs:element name="RegistrationDate" type="xs:date">
  <xs:annotation>
    <xs:documentation>Date that the equipment is approved for placing into service)</xs:documentation>
  </xs:annotation>
</xs:element>
```

element RepairLocation

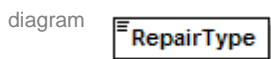


type [LocationIdent](#)

children [CountryCode](#) [LocationPrimaryCode](#) [LocationSubsidiaryCode](#)

```
source <xs:element name="RepairLocation" type="LocationIdent"/>
```

element RepairType



type **xs:string**

used by element [RollingStockDataset/DesignDataSet/RepairStatus](#)

```
source <xs:element name="RepairType" type="xs:string"/>
```



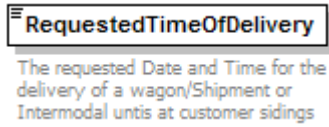
Database (WIMO))

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element RequestedTimeOfDelivery

diagram



type [DateTime](#)

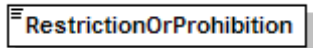
used by element [WIMO Dataset v3-1/ConsignmentLevelData](#)

annotation documentation The requested Date and Time for the delivery of a wagon/Shipment or Intermodal units at customer sidings

```
<xs:element name="RequestedTimeOfDelivery" type="DateTime">
  <xs:annotation>
    <xs:documentation>The requested Date and Time for the delivery of a wagon/Shipment or Intermodal units at customer sidings</xs:documentation>
  </xs:annotation>
</xs:element>
```

element RestrictionOrProhibition

diagram



type restriction of [IdentCode](#)

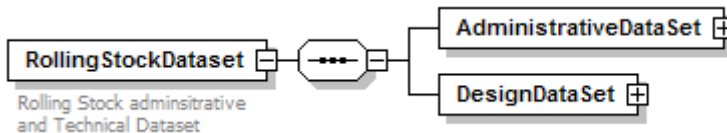
used by element [RollingStockDataset/DesignDataSet](#)

facets enumeration 0
enumeration 1
enumeration 2
enumeration 3
enumeration 4

```
<xs:element name="RestrictionOrProhibition">
  <xs:simpleType>
    <xs:restriction base="IdentCode">
      <xs:enumeration value="0"/>
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
      <xs:enumeration value="3"/>
      <xs:enumeration value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element RollingStockDataset

diagram



children [AdministrativeDataSet](#) [DesignDataSet](#)

used by element [WIMO Dataset v3-1](#)

annotation documentation Rolling Stock administrative and Technical Dataset

```
<xs:element name="RollingStockDataset">
  <xs:annotation>
    <xs:documentation>Rolling Stock administrative and Technical Dataset</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
```



Database (WIMO))

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```

<xs:element name="AdministrativeDataSet">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Keeper"/>
      <xs:element ref="Registration" maxOccurs="unbounded"/>
      <xs:element ref="EC_Verification"/>
      <xs:element ref="SafetyCertAccredFlag"/>
      <xs:element ref="SafetyCertification"/>
      <xs:element ref="DateRIV_Certification"/>
      <xs:element ref="AdmissionType"/>
      <xs:element ref="Class"/>
      <xs:element ref="EquipmentID"/>
      <xs:element ref="RebuildManufacturer" minOccurs="0"/>
      <xs:element ref="SpecialExamination" minOccurs="0"/>
      <xs:element ref="DateOfficialScrapping" minOccurs="0"/>
      <xs:element ref="RefusedBy" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="AdditionalCertification" minOccurs="0"/>
      <xs:element ref="DatePutIntoService"/>
      <xs:element ref="MaintenancePlanRef" minOccurs="0"/>
      <xs:element ref="MaintenanceCycle" minOccurs="0"/>
      <xs:element ref="Pool_Indicator" minOccurs="0"/>
      <xs:element ref="RU_Partner"/>
      <xs:element ref="FleetManager" minOccurs="0"/>
      <xs:element ref="UNIDROIT_Reference" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="DesignDataSet">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonType"/>
      <xs:element ref="WagonNumberOfAxles"/>
      <xs:element ref="WheelSetDistance"/>
      <xs:element ref="WheelDiameter"/>
      <xs:element ref="WheelsetGauge"/>
      <xs:element ref="NumberOfBogies" minOccurs="0"/>
      <xs:element ref="BogiePitch" minOccurs="0"/>
      <xs:element ref="AxlesInterchangeable" minOccurs="0"/>
      <xs:element ref="AxlesVariableWidth" minOccurs="0"/>
      <xs:element ref="CouplingType"/>
      <xs:element ref="WagonGauge"/>
      <xs:element ref="MinCurveRadius"/>
      <xs:element ref="MinVerticleRadiusYardHump"/>
      <xs:element ref="WagonWeightEmpty"/>
      <xs:element ref="LengthOverBuffers"/>
      <xs:element ref="MaxAxleWeight"/>
      <xs:element ref="MaxMetreLoad"/>
      <xs:element ref="MaxSpeedEmpty"/>
      <xs:element ref="BrakeType"/>
      <xs:element ref="AirBrake" minOccurs="0"/>
      <xs:element ref="HandBrake"/>
      <xs:element ref="MaxLengthOfLoad"/>
      <xs:element ref="LoadingCapacity"/>
      <xs:element ref="LoadArea"/>
      <xs:element ref="MaxGrossWeight"/>
      <xs:element ref="MaxSpeedLoad"/>
      <xs:element ref="FerryPermittedFlag" minOccurs="0"/>
      <xs:sequence minOccurs="0">
        <xs:annotation>
          <xs:documentation>Temperature Range</xs:documentation>
        </xs:annotation>
        <xs:element ref="MaxTemp"/>
        <xs:element ref="MinTemp"/>
      </xs:sequence>
      <xs:element ref="NoiseByPassLimit" minOccurs="0"/>
      <xs:element ref="TechnicalForwardingRestrictions" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="LoadingRestrictions" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="ConsignmentRestrictions" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="Noise" minOccurs="0"/>
      <xs:element ref="DangerousGoodsRestrictions" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="GeographicLimitations" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="TimePeriodRestrictions" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="VerticalCurveRestrictions" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating



Database (WIMO))

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```
<xs:element ref="RestrictionOrProhibition" minOccurs="0"/>
<xs:element ref="HumpShuntingRestrictions" minOccurs="0" maxOccurs="unbounded"/>
<xs:element ref="MaxHumidity" minOccurs="0"/>
<xs:sequence minOccurs="0">
  <xs:element ref="SpecialInspectionFlag"/>
  <xs:element name="SpecialInspectionDate" type="xs:dateTime"/>
  <xs:element ref="IntervalNextSpecialInspection"/>
</xs:sequence>
<xs:element name="RepairStatus" minOccurs="0">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="FaultDescription" minOccurs="0"/>
      <xs:element ref="FaultCounter" minOccurs="0"/>
      <xs:element ref="MajorAccidentData" minOccurs="0"/>
      <xs:element ref="RepairType" minOccurs="0"/>
      <xs:element ref="DateLastRepair" minOccurs="0"/>
      <xs:element name="RepairLocation" minOccurs="0"/>
      <xs:element ref="DateAccident" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element ref="PermittedTolerance"/>
<xs:element ref="DateNextOverhaul"/>
<xs:element ref="KMsSinceLastOverhaul"/>
<xs:element ref="FireProtectionCategory" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
```

element **RollingStockDataset/AdministrativeDataSet**

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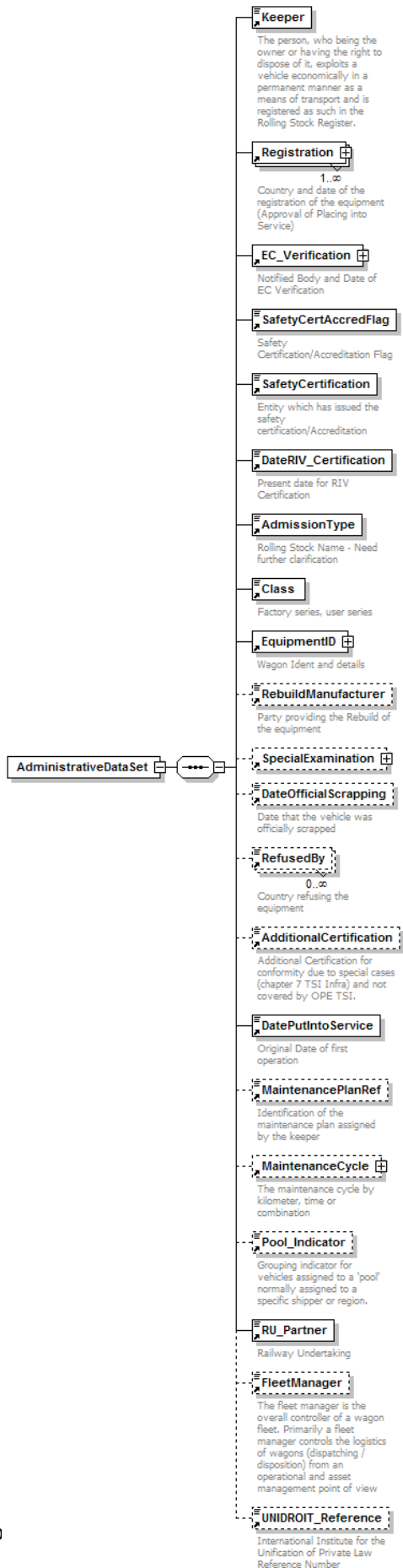


Database (WIMO))

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diagram



Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating



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children [Keeper](#) [Registration](#) [EC_Verification](#) [SafetyCertAccredFlag](#) [SafetyCertification](#) [DateRIV_Certification](#) [AdmissionType](#) [Class](#) [EquipmentID](#) [RebuildManufacturer](#) [SpecialExamination](#) [DateOfficialScrapping](#) [RefusedBy](#) [AdditionalCertification](#) [DatePutIntoService](#) [MaintenancePlanRef](#) [MaintenanceCycle](#) [Pool_Indicator](#) [RU_Partner](#) [FleetManager](#) [UNIDROIT_Reference](#)

```
source <xs:element name="AdministrativeDataSet">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Keeper"/>
      <xs:element ref="Registration" maxOccurs="unbounded"/>
      <xs:element ref="EC_Verification"/>
      <xs:element ref="SafetyCertAccredFlag"/>
      <xs:element ref="SafetyCertification"/>
      <xs:element ref="DateRIV_Certification"/>
      <xs:element ref="AdmissionType"/>
      <xs:element ref="Class"/>
      <xs:element ref="EquipmentID"/>
      <xs:element ref="RebuildManufacturer" minOccurs="0"/>
      <xs:element ref="SpecialExamination" minOccurs="0"/>
      <xs:element ref="DateOfficialScrapping" minOccurs="0"/>
      <xs:element ref="RefusedBy" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="AdditionalCertification" minOccurs="0"/>
      <xs:element ref="DatePutIntoService"/>
      <xs:element ref="MaintenancePlanRef" minOccurs="0"/>
      <xs:element ref="MaintenanceCycle" minOccurs="0"/>
      <xs:element ref="Pool_Indicator" minOccurs="0"/>
      <xs:element ref="RU_Partner"/>
      <xs:element ref="FleetManager" minOccurs="0"/>
      <xs:element ref="UNIDROIT_Reference" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

**Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating
Database (WIMO))
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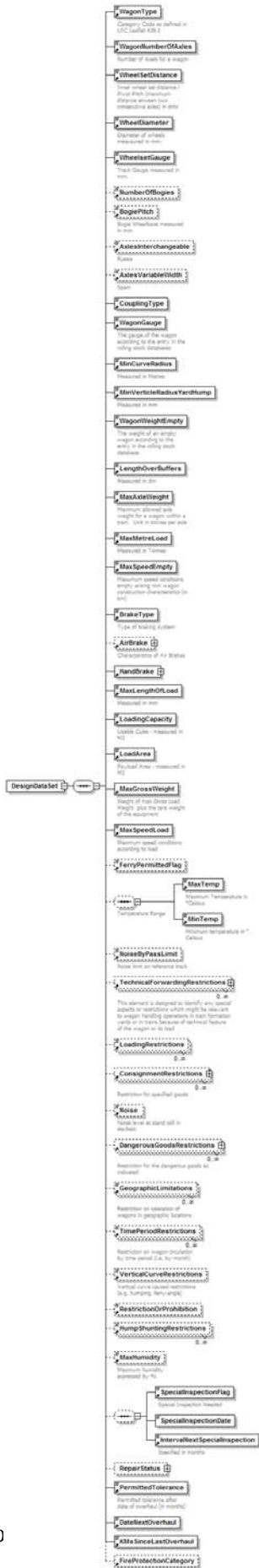


element **RollingStockDataset/DesignDataSet**

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diagram



Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating



Database (WIMO))

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children [WagonType](#) [WagonNumberOfAxles](#) [WheelSetDistance](#) [WheelDiameter](#) [WheelsetGauge](#) [NumberOfBogies](#) [BogiePitch](#) [AxlesInterchangeable](#) [AxlesVariableWidth](#) [CouplingType](#) [WagonGauge](#) [MinCurveRadius](#) [MinVerticleRadiusYardHump](#) [WagonWeightEmpty](#) [LengthOverBuffers](#) [MaxAxleWeight](#) [MaxMetreLoad](#) [MaxSpeedEmpty](#) [BrakeType](#) [AirBrake](#) [HandBrake](#) [MaxLengthOfLoad](#) [LoadingCapacity](#) [LoadArea](#) [MaxGrossWeight](#) [MaxSpeedLoad](#) [FerryPermittedFlag](#) [MaxTemp](#) [MinTemp](#) [NoiseByPassLimit](#) [TechnicalForwardingRestrictions](#) [LoadingRestrictions](#) [ConsignmentRestrictions](#) [Noise](#) [DangerousGoodsRestrictions](#) [GeographicLimitations](#) [TimePeriodRestrictions](#) [VerticalCurveRestrictions](#) [RestrictionOrProhibition](#) [HumpShuntingRestrictions](#) [MaxHumidity](#) [SpecialInspectionFlag](#) [SpecialInspectionDate](#) [IntervalNextSpecialInspection](#) [RepairStatus](#) [PermittedTolerance](#) [DateNextOverhaul](#) [KMsSinceLastOverhaul](#) [FireProtectionCategory](#)

```
source <xs:element name="DesignDataSet">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonType"/>
      <xs:element ref="WagonNumberOfAxles"/>
      <xs:element ref="WheelSetDistance"/>
      <xs:element ref="WheelDiameter"/>
      <xs:element ref="WheelsetGauge"/>
      <xs:element ref="NumberOfBogies" minOccurs="0"/>
      <xs:element ref="BogiePitch" minOccurs="0"/>
      <xs:element ref="AxlesInterchangeable" minOccurs="0"/>
      <xs:element ref="AxlesVariableWidth" minOccurs="0"/>
      <xs:element ref="CouplingType"/>
      <xs:element ref="WagonGauge"/>
      <xs:element ref="MinCurveRadius"/>
      <xs:element ref="MinVerticleRadiusYardHump"/>
      <xs:element ref="WagonWeightEmpty"/>
      <xs:element ref="LengthOverBuffers"/>
      <xs:element ref="MaxAxleWeight"/>
      <xs:element ref="MaxMetreLoad"/>
      <xs:element ref="MaxSpeedEmpty"/>
      <xs:element ref="BrakeType"/>
      <xs:element ref="AirBrake" minOccurs="0"/>
      <xs:element ref="HandBrake"/>
      <xs:element ref="MaxLengthOfLoad"/>
      <xs:element ref="LoadingCapacity"/>
      <xs:element ref="LoadArea"/>
      <xs:element ref="MaxGrossWeight"/>
      <xs:element ref="MaxSpeedLoad"/>
      <xs:element ref="FerryPermittedFlag" minOccurs="0"/>
      <xs:sequence minOccurs="0">
        <xs:annotation>
          <xs:documentation>Temperature Range</xs:documentation>
        </xs:annotation>
        <xs:element ref="MaxTemp"/>
        <xs:element ref="MinTemp"/>
      </xs:sequence>
      <xs:element ref="NoiseByPassLimit" minOccurs="0"/>
      <xs:element ref="TechnicalForwardingRestrictions" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="LoadingRestrictions" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="ConsignmentRestrictions" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="Noise" minOccurs="0"/>
      <xs:element ref="DangerousGoodsRestrictions" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="GeographicLimitations" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="TimePeriodRestrictions" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="VerticalCurveRestrictions" minOccurs="0"/>
      <xs:element ref="RestrictionOrProhibition" minOccurs="0"/>
      <xs:element ref="HumpShuntingRestrictions" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element ref="MaxHumidity" minOccurs="0"/>
      <xs:sequence minOccurs="0">
        <xs:element ref="SpecialInspectionFlag"/>
        <xs:element name="SpecialInspectionDate" type="xs:dateTime"/>
        <xs:element ref="IntervalNextSpecialInspection"/>
      </xs:sequence>
      <xs:element name="RepairStatus" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="FaultDescription" minOccurs="0"/>
            <xs:element ref="FaultCounter" minOccurs="0"/>
            <xs:element ref="MajorAccidentData" minOccurs="0"/>
            <xs:element ref="RepairType" minOccurs="0"/>
            <xs:element ref="DateLastRepair" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



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```

<xs:element name="RepairLocation" minOccurs="0"/>
<xs:element ref="DateAccident" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element ref="PermittedTolerance"/>
<xs:element ref="DateNextOverhaul"/>
<xs:element ref="KMsSinceLastOverhaul"/>
<xs:element ref="FireProtectionCategory" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
    
```

element **RollingStockDataset/DesignDataSet/SpecialInspectionDate**

diagram



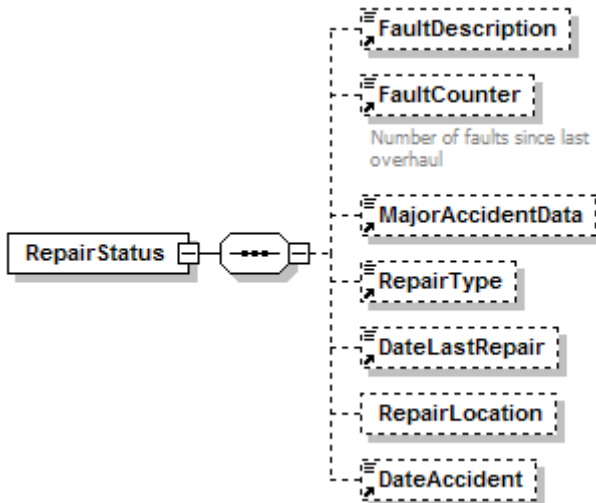
type **xs:dateTime**

```

<xs:element name="SpecialInspectionDate" type="xs:dateTime"/>
    
```

element **RollingStockDataset/DesignDataSet/RepairStatus**

diagram



children [FaultDescription](#) [FaultCounter](#) [MajorAccidentData](#) [RepairType](#) [DateLastRepair](#) [RepairLocation](#) [DateAccident](#)

```

<xs:element name="RepairStatus" minOccurs="0">
<xs:complexType>
<xs:sequence>
<xs:element ref="FaultDescription" minOccurs="0"/>
<xs:element ref="FaultCounter" minOccurs="0"/>
<xs:element ref="MajorAccidentData" minOccurs="0"/>
<xs:element ref="RepairType" minOccurs="0"/>
<xs:element ref="DateLastRepair" minOccurs="0"/>
<xs:element name="RepairLocation" minOccurs="0"/>
<xs:element ref="DateAccident" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
    
```

element **RollingStockDataset/DesignDataSet/RepairStatus/RepairLocation**

diagram



```

<xs:element name="RepairLocation" minOccurs="0"/>
    
```



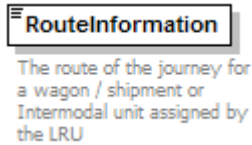
Database (WIMO))

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element **RouteInformation**

diagram



type [FreeText](#)

used by element [ContractInformation](#)

facets length 255

annotation documentation The route of the journey for a wagon / shipment or Intermodal unit assigned by the LRU

```
<xs:element name="RouteInformation" type="FreeText">
  <xs:annotation>
    <xs:documentation>The route of the journey for a wagon / shipment or Intermodal unit assigned by the
    LRU</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **RU_Partner**

diagram



type [CompanyCode](#)

used by element [RollingStockDataset/AdministrativeDataSet](#)

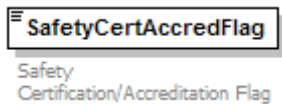
facets minInclusive 0001
maxInclusive 9999

annotation documentation Railway Undertaking

```
<xs:element name="RU_Partner" type="CompanyCode">
  <xs:annotation>
    <xs:documentation>Railway Undertaking</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **SafetyCertAccredFlag**

diagram



type **xs:boolean**

used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation Safety Certification/Accreditation Flag

```
<xs:element name="SafetyCertAccredFlag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Safety Certification/Accreditation Flag</xs:documentation>
  </xs:annotation>
</xs:element>
```



Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

element **SafetyCertification**

diagram



type **xs:string**

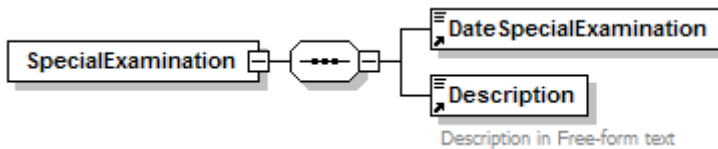
used by element [RollingStockDataset/AdministrativeDataSet](#)

annotation documentation Entity which has issued the safety certification/Accreditation

```
<xs:element name="SafetyCertification" type="xs:string">
  <xs:annotation>
    <xs:documentation>Entity which has issued the safety certification/Accreditation</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **SpecialExamination**

diagram



children [DateSpecialExamination](#) [Description](#)

used by element [RollingStockDataset/AdministrativeDataSet](#)

```
<xs:element name="SpecialExamination">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="DateSpecialExamination"/>
      <xs:element ref="Description"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **SpecialInspectionFlag**

diagram



type **xs:boolean**

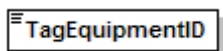
used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation Special Inspection Needed

```
<xs:element name="SpecialInspectionFlag" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Special Inspection Needed</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **TagEquipmentID**

diagram





Database (WIMO))

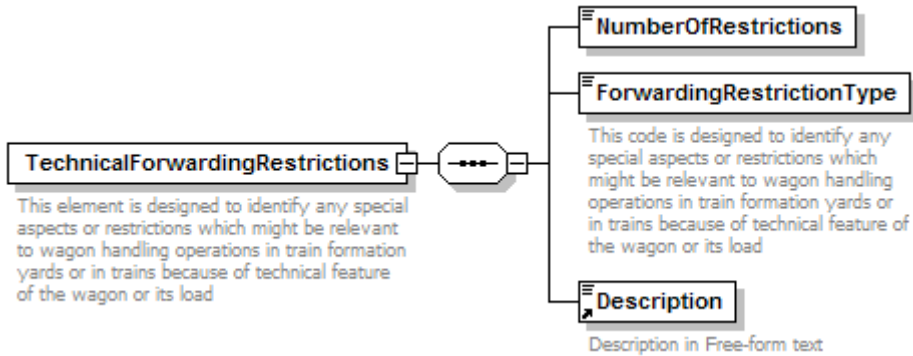
Annex 1 : WIMO data

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type **xs:string**
 used by element [EquipmentID](#)
 source `<xs:element name="TagEquipmentID" type="xs:string"/>`

element **TechnicalForwardingRestrictions**

diagram



children [NumberOfRestrictions](#) [ForwardingRestrictionType](#) [Description](#)

used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation This element is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load

source `<xs:element name="TechnicalForwardingRestrictions">`
`<xs:annotation>`
`<xs:documentation>`This element is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load`</xs:documentation>`
`</xs:annotation>`
`<xs:complexType>`
`<xs:sequence>`
`<xs:element name="NumberOfRestrictions">`
`<xs:simpleType>`
`<xs:restriction base="xs:integer">`
`<xs:minInclusive value="1"/>`
`<xs:maxInclusive value="99"/>`
`</xs:restriction>`
`</xs:simpleType>`
`</xs:element>`
`<xs:element name="ForwardingRestrictionType">`
`<xs:annotation>`
`<xs:documentation>`This code is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load`</xs:documentation>`
`</xs:annotation>`
`<xs:simpleType>`
`<xs:restriction base="IdentCode">`
`<xs:enumeration value="07"/>`
`<xs:enumeration value="08"/>`
`<xs:enumeration value="09"/>`
`<xs:enumeration value="11"/>`
`<xs:enumeration value="12"/>`
`<xs:enumeration value="13"/>`
`<xs:enumeration value="15"/>`
`<xs:enumeration value="16"/>`
`<xs:enumeration value="41"/>`
`<xs:enumeration value="42"/>`
`<xs:enumeration value="61"/>`
`<xs:enumeration value="62"/>`
`<xs:enumeration value="63"/>`
`<xs:enumeration value="70"/>`
`<xs:enumeration value="71"/>`
`<xs:enumeration value="92"/>`
`<xs:enumeration value="94"/>`



Database (WIMO))

Annex 1 : WIMO data

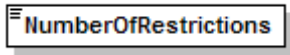
PROJECT No: 2005-EU-93008-S

```

        <xs:enumeration value=""/>
    </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element ref="Description"/>
</xs:sequence>
</xs:complexType>
</xs:element>
    
```

element **TechnicalForwardingRestrictions/NumberOfRestrictions**

diagram



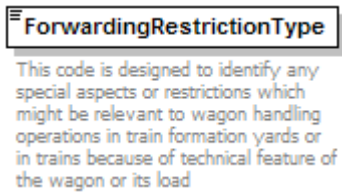
type restriction of **xs:integer**

facets minInclusive 1
maxInclusive 99

source <xs:element name="NumberOfRestrictions">
<xs:simpleType>
<xs:restriction base="xs:integer">
<xs:minInclusive value="1"/>
<xs:maxInclusive value="99"/>
</xs:restriction>
</xs:simpleType>
</xs:element>

element **TechnicalForwardingRestrictions/ForwardingRestrictionType**

diagram



type restriction of **IdentCode**

facets enumeration 07
enumeration 08
enumeration 09
enumeration 11
enumeration 12
enumeration 13
enumeration 15
enumeration 16
enumeration 41
enumeration 42
enumeration 61
enumeration 62
enumeration 63
enumeration 70
enumeration 71
enumeration 92
enumeration 94
enumeration

annotation documentation This code is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load

source <xs:element name="ForwardingRestrictionType">
<xs:annotation>
<xs:documentation>This code is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="IdentCode">
<xs:enumeration value="07"/>



Database (WIMO))

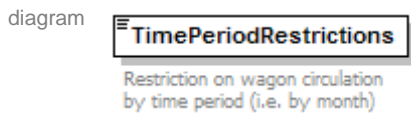
Annex 1 : WIMO data

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```

<xs:enumeration value="08"/>
<xs:enumeration value="09"/>
<xs:enumeration value="11"/>
<xs:enumeration value="12"/>
<xs:enumeration value="13"/>
<xs:enumeration value="15"/>
<xs:enumeration value="16"/>
<xs:enumeration value="41"/>
<xs:enumeration value="42"/>
<xs:enumeration value="61"/>
<xs:enumeration value="62"/>
<xs:enumeration value="63"/>
<xs:enumeration value="70"/>
<xs:enumeration value="71"/>
<xs:enumeration value="92"/>
<xs:enumeration value="94"/>
<xs:enumeration value=""/>
</xs:restriction>
</xs:simpleType>
</xs:element>
    
```

element **TimePeriodRestrictions**



type **xs:string**

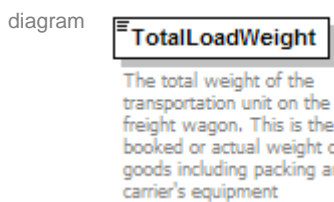
used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation Restriction on wagon circulation by time period (i.e. by month)

```

<xs:element name="TimePeriodRestrictions" type="xs:string">
<xs:annotation>
<xs:documentation>Restriction on wagon circulation by time period (i.e. by month)</xs:documentation>
</xs:annotation>
</xs:element>
    
```

element **TotalLoadWeight**



type [WeightValueKilo](#)

used by element [TotalWeighDim](#)

facets minInclusive 1
maxInclusive 999999
whiteSpace collapse

annotation documentation The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment

```

<xs:element name="TotalLoadWeight" type="WeightValueKilo">
<xs:annotation>
<xs:documentation>The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment</xs:documentation>
</xs:annotation>
</xs:element>
    
```



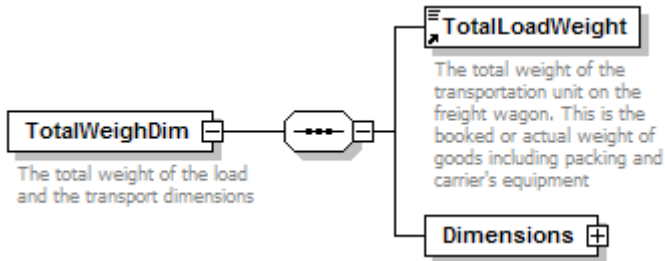
Database (WIMO))

Annex 1 : WIMO data

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element **TotalWeighDim**

diagram



children [TotalLoadWeight](#) [Dimensions](#)

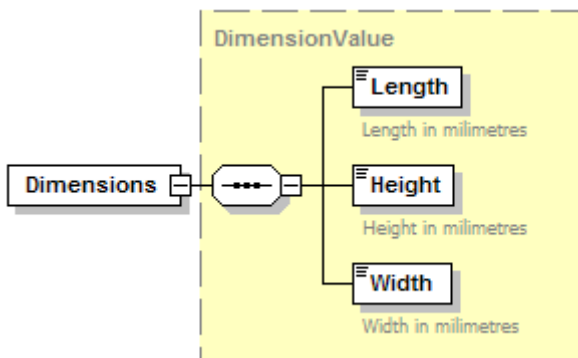
used by element [WagonInformation](#)

annotation documentation The total weight of the load and the transport dimensions

```
<xs:element name="TotalWeighDim">
  <xs:annotation>
    <xs:documentation>The total weight of the load and the transport dimensions</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="TotalLoadWeight"/>
      <xs:element name="Dimensions" type="DimensionValue"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TotalWeighDim/Dimensions**

diagram



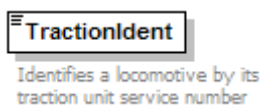
type [DimensionValue](#)

children [Length](#) [Height](#) [Width](#)

```
<xs:element name="Dimensions" type="DimensionValue"/>
```

element **TractionIdent**

diagram



type [WagonIdent](#)

facets length 12

annotation documentation Identifies a locomotive by its traction unit service number



Database (WIMO))

Annex 1 : WIMO data

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```
source <xs:element name="TractionIdent" type="WagonIdent">
  <xs:annotation>
    <xs:documentation>Identifies a locomotive by its traction unit service number</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **TransportInstruction**



type [FreeText](#)

used by element [WagonInstruction](#)

facets length 255

annotation documentation Special instructions regarding the transportation of the wagon or shipment in free text

```
source <xs:element name="TransportInstruction" type="FreeText">
  <xs:annotation>
    <xs:documentation>Special instructions regarding the transportation of the wagon or shipment in free text</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **TransportUnit**



type extension of **xs:string**

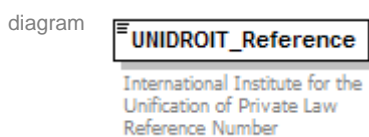
used by element [WagonInformation](#)

attributes	Name	Type	Use	Default	Fixed	Annotation
	UnitTypeCode	UnitType				

annotation documentation Identifies the transportation Unit

```
source <xs:element name="TransportUnit">
  <xs:annotation>
    <xs:documentation>Identifies the transportation Unit</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="UnitTypeCode" type="UnitType"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

element **UNIDROIT_Reference**



type **xs:string**

used by element [RollingStockDataset/AdministrativeDataSet](#)

Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating



Database (WIMO))

Annex 1 : WIMO data

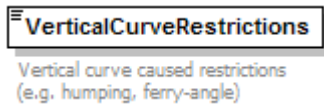
PROJECT No: 2005-EU-93008-S

annotation documentation International Institute for the Unification of Private Law Reference Number

```
source <xs:element name="UNIDROIT_Reference" type="xs:string">
  <xs:annotation>
    <xs:documentation>International Institute for the Unification of Private Law Reference Number</xs:documentation>
  </xs:annotation>
</xs:element>
```

element VerticalCurveRestrictions

diagram



type **xs:string**

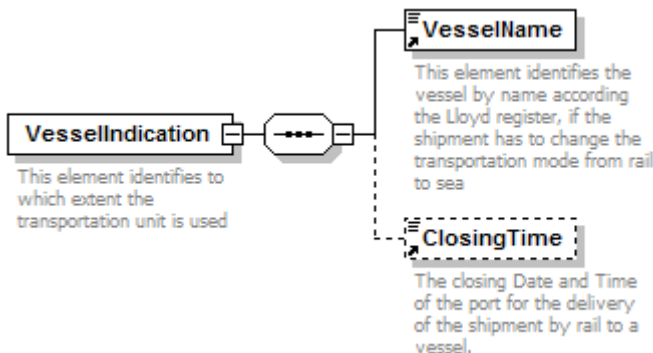
used by element [RollingStockDataset/DesignDataSet](#)

annotation documentation Vertical curve caused restrictions (e.g. humping, ferry-angle)

```
source <xs:element name="VerticalCurveRestrictions" type="xs:string">
  <xs:annotation>
    <xs:documentation>Vertical curve caused restrictions (e.g. humping, ferry-angle)</xs:documentation>
  </xs:annotation>
</xs:element>
```

element VesselIndication

diagram



children [VesselName](#) [ClosingTime](#)

used by element [WIMO Dataset v3-1/EventLevelData](#)

annotation documentation This element identifies to which extent the transportation unit is used

```
source <xs:element name="VesselIndication">
  <xs:annotation>
    <xs:documentation>This element identifies to which extent the transportation unit is used</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="VesselName"/>
      <xs:element ref="ClosingTime" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```



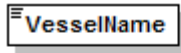
Database (WIMO))

Annex 1 : WIMO data

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element **VesselName**

diagram



This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea

type [Name](#)

used by element [VesselIndication](#)

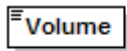
facets length 254

annotation documentation This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea

```
<xs:element name="VesselName" type="Name">
  <xs:annotation>
    <xs:documentation>This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **Volume**

diagram



Identifies the volume of a shipment, expressed in cubic metres

type [VolumeValue](#)

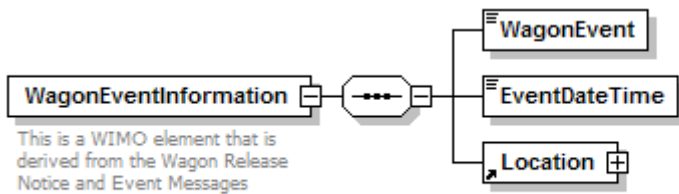
used by element [ConsignmentDescription](#)

annotation documentation Identifies the volume of a shipment, expressed in cubic metres

```
<xs:element name="Volume" type="VolumeValue">
  <xs:annotation>
    <xs:documentation>Identifies the volume of a shipment, expressed in cubic metres</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **WagonEventInformation**

diagram



This is a WIMO element that is derived from the Wagon Release Notice and Event Messages

Identifies a Location using a LocationIdent

children [WagonEvent](#) [EventDateTime](#) [Location](#)

used by element [WIMO_Dataset_v3-1/EventLevelData](#)

annotation documentation This is a WIMO element that is derived from the Wagon Release Notice and Event Messages

```
<xs:element name="WagonEventInformation">
  <xs:annotation>
    <xs:documentation>This is a WIMO element that is derived from the Wagon Release Notice and Event Messages</xs:documentation>
  </xs:annotation>
</xs:element>
```



Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

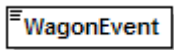
```

</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element name="WagonEvent">
      <xs:simpleType>
        <xs:restriction base="IdentCode">
          <xs:enumeration value="Release"/>
          <xs:enumeration value="Arrival"/>
          <xs:enumeration value="Departure"/>
          <xs:enumeration value="Exception"/>
          <xs:enumeration value="Delivery"/>
          <xs:enumeration value="InterchangeDelivery"/>
          <xs:enumeration value="InterchangeReceipt"/>
          <xs:enumeration value="YardDeparture"/>
          <xs:enumeration value="YardArrival"/>
          <xs:enumeration value="DeliveryConfirmation"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="EventDateTime" type="DateTime"/>
    <xs:element ref="Location"/>
  </xs:sequence>
</xs:complexType>
</xs:element>

```

element **WagonEventInformation/WagonEvent**

diagram



type restriction of [IdentCode](#)

- facets
- enumeration Release
 - enumeration Arrival
 - enumeration Departure
 - enumeration Exception
 - enumeration Delivery
 - enumeration InterchangeDelivery
 - enumeration InterchangeReceipt
 - enumeration YardDeparture
 - enumeration YardArrival
 - enumeration DeliveryConfirmation

source

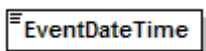
```

<xs:element name="WagonEvent">
  <xs:simpleType>
    <xs:restriction base="IdentCode">
      <xs:enumeration value="Release"/>
      <xs:enumeration value="Arrival"/>
      <xs:enumeration value="Departure"/>
      <xs:enumeration value="Exception"/>
      <xs:enumeration value="Delivery"/>
      <xs:enumeration value="InterchangeDelivery"/>
      <xs:enumeration value="InterchangeReceipt"/>
      <xs:enumeration value="YardDeparture"/>
      <xs:enumeration value="YardArrival"/>
      <xs:enumeration value="DeliveryConfirmation"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>

```

element **WagonEventInformation/EventDateTime**

diagram



type [DateTime](#)

source

```

<xs:element name="EventDateTime" type="DateTime"/>

```



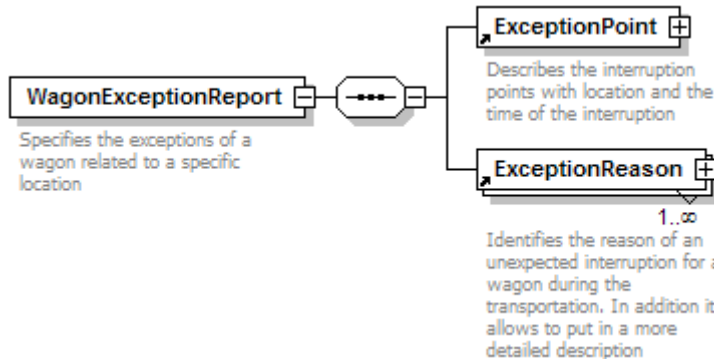

Database (WIMO))

Annex 1 : WIMO data

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element **WagonExceptionReport**

diagram



children [ExceptionPoint](#) [ExceptionReason](#)

annotation documentation Specifies the exceptions of a wagon related to a specific location

```

source <xs:element name="WagonExceptionReport">
  <xs:annotation>
    <xs:documentation>Specifies the exceptions of a wagon related to a specific location</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ExceptionPoint"/>
      <xs:element ref="ExceptionReason" maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
    
```

element **WagonGauge**

diagram



type restriction of **xs:int**

used by elements [RollingStockDataset/DesignDataSet](#) [WagonTechData](#)

facets minInclusive 001
maxInclusive 999

annotation documentation The gauge of the wagon according to the entry in the rolling stock databases

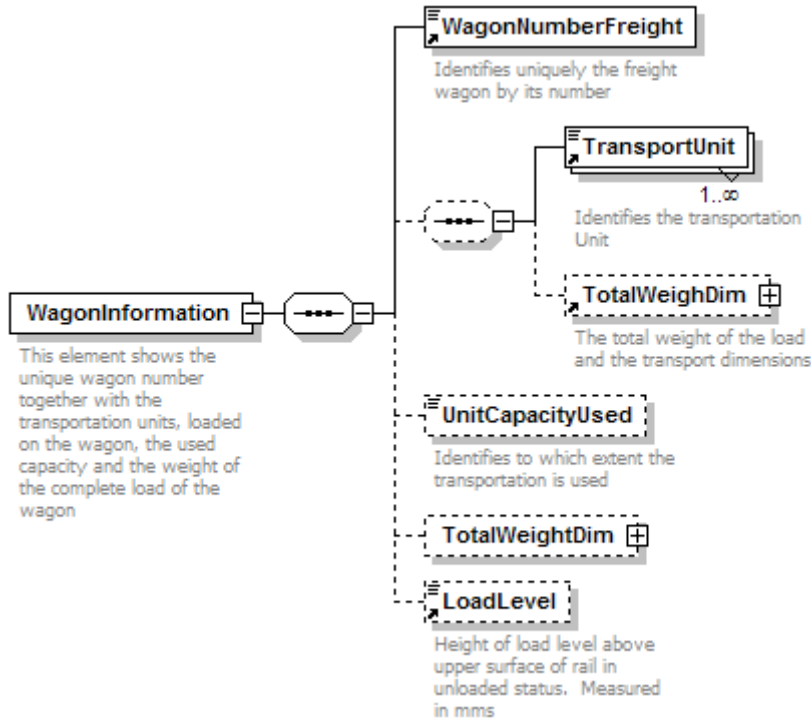
```

source <xs:element name="WagonGauge">
  <xs:annotation>
    <xs:documentation>The gauge of the wagon according to the entry in the rolling stock databases</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="001"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
    
```



element **WagonInformation**

diagram



children [WagonNumberFreight](#) [TransportUnit](#) [TotalWeighDim](#) [UnitCapacityUsed](#) [TotalWeightDim](#) [LoadLevel](#)

used by element [WIMO Dataset v3-1/ConsignmentLevelData](#)

annotation documentation This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon

source `<xs:element name="WagonInformation">`

`<xs:annotation>`

`<xs:documentation>This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon</xs:documentation>`

`</xs:annotation>`

`<xs:complexType>`

`<xs:sequence>`

`<xs:element ref="WagonNumberFreight"/>`

`<xs:sequence minOccurs="0">`

`<xs:element ref="TransportUnit" maxOccurs="unbounded"/>`

`<xs:element ref="TotalWeighDim" minOccurs="0"/>`

`</xs:sequence>`

`<xs:element name="UnitCapacityUsed" type="CapacityIndicator" minOccurs="0">`

`<xs:annotation>`

`<xs:documentation>Identifies to which extent the transportation is used</xs:documentation>`

`</xs:annotation>`

`</xs:element>`

`<xs:element name="TotalWeightDim" type="DimensionValue" minOccurs="0"/>`

`<xs:element ref="LoadLevel" minOccurs="0"/>`

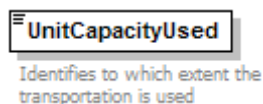
`</xs:sequence>`

`</xs:complexType>`

`</xs:element>`

element **WagonInformation/UnitCapacityUsed**

diagram



Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating



Database (WIMO))

Annex 1 : WIMO data

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type [CapacityIndicator](#)

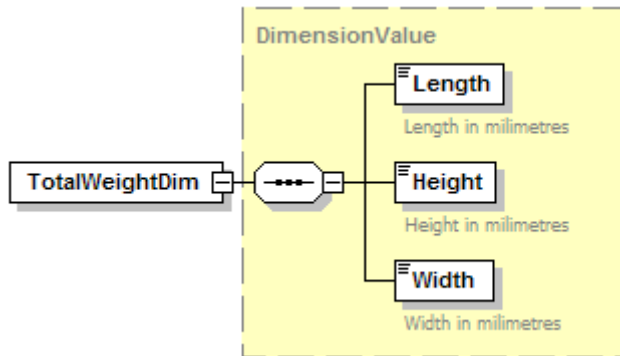
facets enumeration 0
enumeration 1
enumeration 2

annotation documentation Identifies to which extent the transportation is used

source `<xs:element name="UnitCapacityUsed" type="CapacityIndicator" minOccurs="0">
<xs:annotation>
<xs:documentation>Identifies to which extent the transportation is used</xs:documentation>
</xs:annotation>
</xs:element>`

element **WagonInformation/TotalWeightDim**

diagram



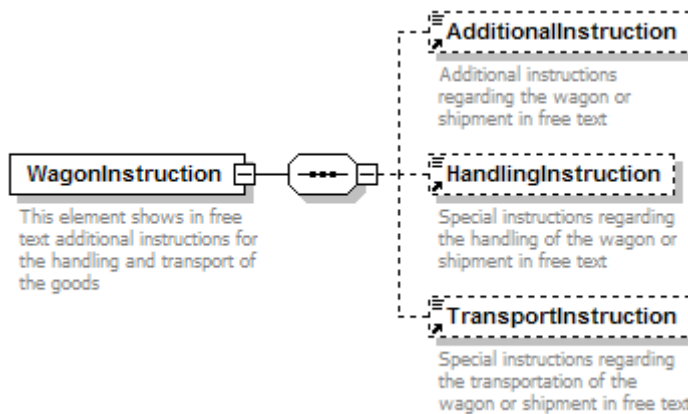
type [DimensionValue](#)

children [Length](#) [Height](#) [Width](#)

source `<xs:element name="TotalWeightDim" type="DimensionValue" minOccurs="0"/>`

element **WagonInstruction**

diagram



children [AdditionalInstruction](#) [HandlingInstruction](#) [TransportInstruction](#)

used by element [WIMO Dataset v3-1/ConsignmentLevelData](#)

annotation documentation This element shows in free text additional instructions for the handling and transport of the goods

source `<xs:element name="WagonInstruction">
<xs:annotation>
<xs:documentation>This element shows in free text additional instructions for the handling and transport of the goods</xs:documentation>
</xs:annotation>
<xs:complexType>
<xs:sequence>
<xs:element ref="AdditionalInstruction" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>`



Database (WIMO))

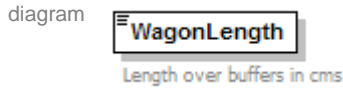
Annex 1 : WIMO data

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```

<xs:element ref="HandlingInstruction" minOccurs="0"/>
<xs:element ref="TransportInstruction" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
    
```

element **WagonLength**



type restriction of **xs:int**

used by element [WagonTechData](#)

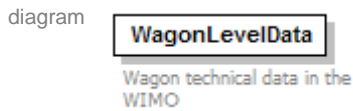
facets minInclusive 1
maxInclusive 999999

annotation documentation Length over buffers in cms

```

source <xs:element name="WagonLength">
  <xs:annotation>
    <xs:documentation>Length over buffers in cms</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
    
```

element **WagonLevelData**

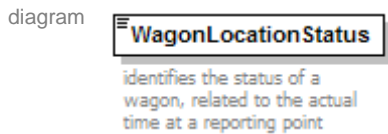


annotation documentation Wagon technical data in the WIMO

```

source <xs:element name="WagonLevelData">
  <xs:annotation>
    <xs:documentation>Wagon technical data in the WIMO</xs:documentation>
  </xs:annotation>
</xs:element>
    
```

element **WagonLocationStatus**



type [RunningStatus](#)

used by element [ExceptionPoint](#)

facets enumeration 00
enumeration 01
enumeration 02
enumeration 03
enumeration 04
enumeration 05
enumeration 10
enumeration 11
enumeration 12



Database (WIMO))

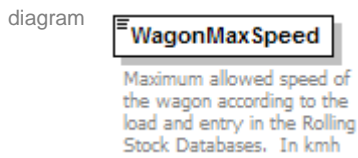
Annex 1 : WIMO data

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enumeration 13
enumeration 14
enumeration 15
enumeration 16
enumeration 17
enumeration 18
enumeration 19
annotation documentation identifies the status of a wagon, related to the actual time at a reporting point

source `<xs:element name="WagonLocationStatus" type="RunningStatus">
<xs:annotation>
<xs:documentation>identifies the status of a wagon, related to the actual time at a reporting point</xs:documentation>
</xs:annotation>
</xs:element>`

element **WagonMaxSpeed**



type restriction of **xs:int**

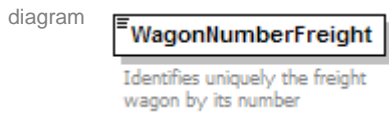
used by element [WagonTechData](#)

facets minInclusive 001
maxInclusive 999

annotation documentation Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh

source `<xs:element name="WagonMaxSpeed">
<xs:annotation>
<xs:documentation>Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh</xs:documentation>
</xs:annotation>
<xs:simpleType>
<xs:restriction base="xs:int">
<xs:minInclusive value="001"/>
<xs:maxInclusive value="999"/>
</xs:restriction>
</xs:simpleType>
</xs:element>`

element **WagonNumberFreight**



type [WagonIdent](#)

used by elements [EquipmentID](#) [WagonInformation](#)

facets length 12

annotation documentation Identifies uniquely the freight wagon by its number

source `<xs:element name="WagonNumberFreight" type="WagonIdent">
<xs:annotation>
<xs:documentation>Identifies uniquely the freight wagon by its number</xs:documentation>
</xs:annotation>
</xs:element>`

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Annex 1 : WIMO data
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element **WagonNumberOfAxles**

diagram



type restriction of **xs:int**

used by elements [RollingStockDataset/DesignDataSet](#) [WagonTechData](#)

facets minInclusive 2
maxInclusive 99

annotation documentation Number of Axels for a wagon

```
source <xs:element name="WagonNumberOfAxles">
  <xs:annotation>
    <xs:documentation>Number of Axels for a wagon</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="2"/>
      <xs:maxInclusive value="99"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```



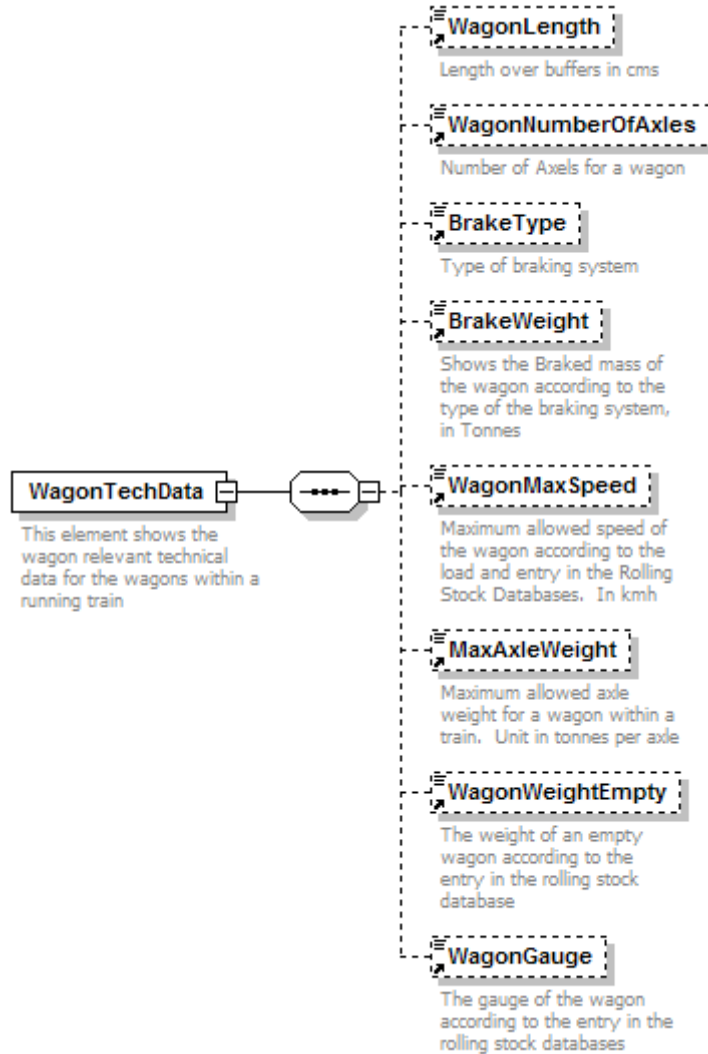
Database (WIMO))

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element **WagonTechData**

diagram



children [WagonLength](#) [WagonNumberOfAxles](#) [BrakeType](#) [BrakeWeight](#) [WagonMaxSpeed](#) [MaxAxleWeight](#) [WagonWeightEmpty](#) [WagonGauge](#)

annotation documentation This element shows the wagon relevant technical data for the wagons within a running train

```

source <xs:element name="WagonTechData">
  <xs:annotation>
    <xs:documentation>This element shows the wagon relevant technical data for the wagons within a running train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonLength" minOccurs="0"/>
      <xs:element ref="WagonNumberOfAxles" minOccurs="0"/>
      <xs:element ref="BrakeType" minOccurs="0"/>
      <xs:element ref="BrakeWeight" minOccurs="0"/>
      <xs:element ref="WagonMaxSpeed" minOccurs="0"/>
      <xs:element ref="MaxAxleWeight" minOccurs="0"/>
      <xs:element ref="WagonWeightEmpty" minOccurs="0"/>
      <xs:element ref="WagonGauge" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
    
```



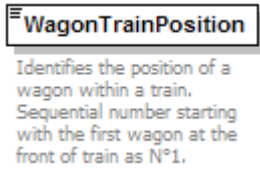
Database (WIMO))

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element **WagonTrainPosition**

diagram



type restriction of **xs:int**

facets minInclusive 1
maxInclusive 999

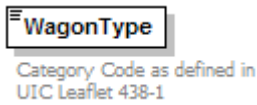
annotation documentation Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.

```

source <xs:element name="WagonTrainPosition">
  <xs:annotation>
    <xs:documentation>Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:int">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
    
```

element **WagonType**

diagram



type restriction of **IdentCode**

used by element [RollingStockDataset/DesignDataSet](#)

facets enumeration E
enumeration F
enumeration G
enumeration H
enumeration I
enumeration K
enumeration L
enumeration O
enumeration R
enumeration S
enumeration T
enumeration U
enumeration Z

annotation documentation Category Code as defined in UIC Leaflet 438-1

```

source <xs:element name="WagonType">
  <xs:annotation>
    <xs:documentation>Category Code as defined in UIC Leaflet 438-1</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="IdentCode">
      <xs:enumeration value="E"/>
      <xs:enumeration value="F"/>
      <xs:enumeration value="G"/>
      <xs:enumeration value="H"/>
      <xs:enumeration value="I"/>
      <xs:enumeration value="K"/>
      <xs:enumeration value="L"/>
      <xs:enumeration value="O"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
    
```




Database (WIMO))

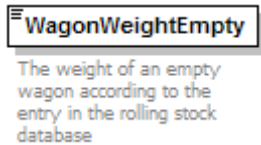
Annex 1 : WIMO data

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```
<xs:enumeration value="R"/>
<xs:enumeration value="S"/>
<xs:enumeration value="T"/>
<xs:enumeration value="U"/>
<xs:enumeration value="Z"/>
</xs:restriction>
</xs:simpleType>
</xs:element>
```

element **WagonWeightEmpty**

diagram



type [WeightValueKilo](#)

used by elements [RollingStockDataset/DesignDataSet](#) [WagonTechData](#)

facets minInclusive 1
maxInclusive 999999
whiteSpace collapse

annotation documentation The weight of an empty wagon according to the entry in the rolling stock database

```
<xs:element name="WagonWeightEmpty" type="WeightValueKilo">
  <xs:annotation>
    <xs:documentation>The weight of an empty wagon according to the entry in the rolling stock
    database</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **WheelDiameter**

diagram



type restriction of **xs:integer**

used by element [RollingStockDataset/DesignDataSet](#)

facets minInclusive 1
maxInclusive 999

annotation documentation Diameter of wheels measured in mm.

```
<xs:element name="WheelDiameter">
  <xs:annotation>
    <xs:documentation>Diameter of wheels measured in mm.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```



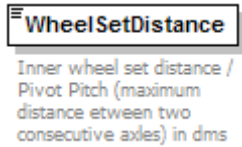
Database (WIMO))

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element **WheelSetDistance**

diagram



type restriction of **xs:integer**

used by element [RollingStockDataset/DesignDataSet](#)

facets minInclusive 1
maxInclusive 999

annotation documentation Inner wheel set distance / Pivot Pitch (maximum distance between two consecutive axes) in dms

```
<xs:element name="WheelSetDistance">
  <xs:annotation>
    <xs:documentation>Inner wheel set distance / Pivot Pitch (maximum distance between two consecutive axes) in dms</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **WheelsetGauge**

diagram



type restriction of **xs:integer**

used by element [RollingStockDataset/DesignDataSet](#)

facets minInclusive 1
maxInclusive 999

annotation documentation Track Gauge measured in mm.

```
<xs:element name="WheelsetGauge">
  <xs:annotation>
    <xs:documentation>Track Gauge measured in mm.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="1"/>
      <xs:maxInclusive value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

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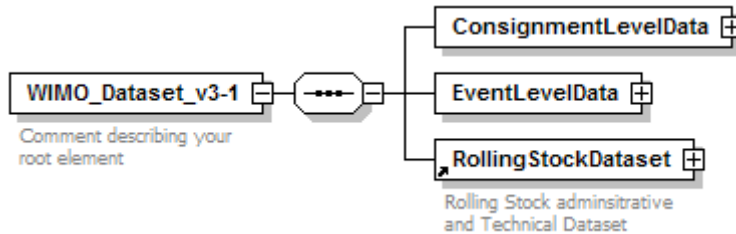
Database (WIMO))

Annex 1 : WIMO data

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element WIMO_Dataset_v3-1

diagram



children [ConsignmentLevelData](#) [EventLevelData](#) [RollingStockDataset](#)

annotation documentation Comment describing your root element

```

source <xs:element name="WIMO_Dataset_v3-1">
  <xs:annotation>
    <xs:documentation>Comment describing your root element</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ConsignmentLevelData">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="CustomerInformation">
              <xs:complexType>
                <xs:sequence>
                  <xs:sequence>
                    <xs:element ref="Consignee"/>
                    <xs:element ref="CustomerName" minOccurs="0"/>
                  </xs:sequence>
                  <xs:sequence>
                    <xs:element ref="Consignor"/>
                    <xs:element ref="CustomerName" minOccurs="0"/>
                  </xs:sequence>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element ref="ConsignmentNumber"/>
            <xs:element ref="ConsignmentDescription"/>
            <xs:element ref="RequestedTimeOfDelivery"/>
            <xs:element ref="Destination"/>
            <xs:element ref="WagonInformation"/>
            <xs:element ref="ContractInformation" minOccurs="0"/>
            <xs:element ref="DangerousGoodsIndication" minOccurs="0"/>
            <xs:element ref="WagonInstruction" minOccurs="0"/>
            <xs:element name="PreviousWagonNumber" type="WagonIdent" minOccurs="0"/>
            <xs:element ref="PreviousConsignmentNumber" minOccurs="0"/>
            <xs:sequence minOccurs="0">
              <xs:element ref="NextIntermediateDestination"/>
              <xs:element ref="PreviousResponsibleRU"/>
              <xs:element ref="NextResponsibleRU"/>
            </xs:sequence>
            <xs:element ref="ConsignorAssignedReference" minOccurs="0"/>
            <xs:element ref="ContractNumberCustomer" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="EventLevelData">
        <xs:complexType>
          <xs:sequence>
            <xs:element ref="WagonEventInformation"/>
            <xs:element ref="VesselIndication" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element ref="RollingStockDataset"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
  
```

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Database (WIMO))

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</xs:element>



**Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating
Database (WIMO))
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element **WIMO_Dataset_v3-1/ConsignmentLevelData**

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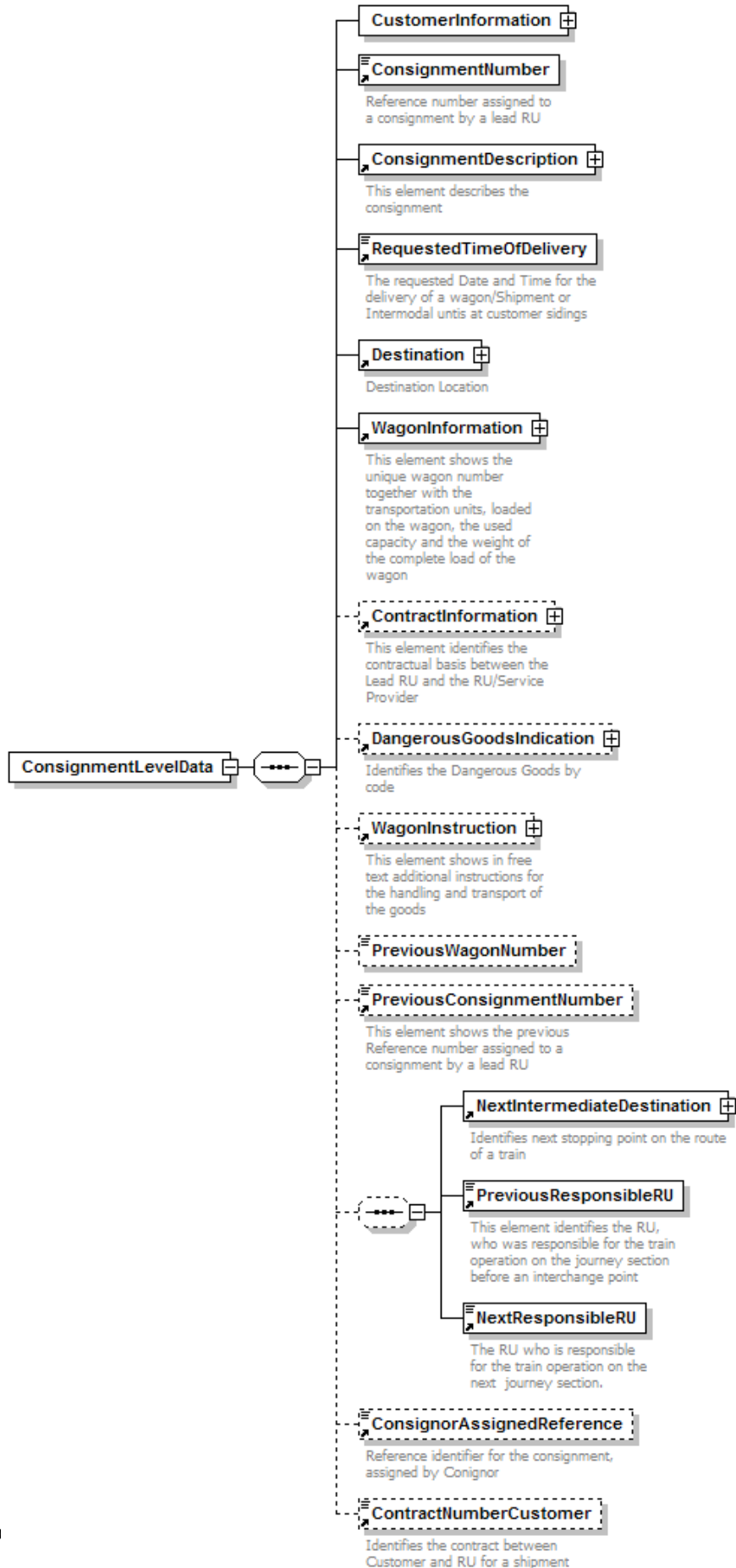


Database (WIMO))

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diagram



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Database (WIMO))

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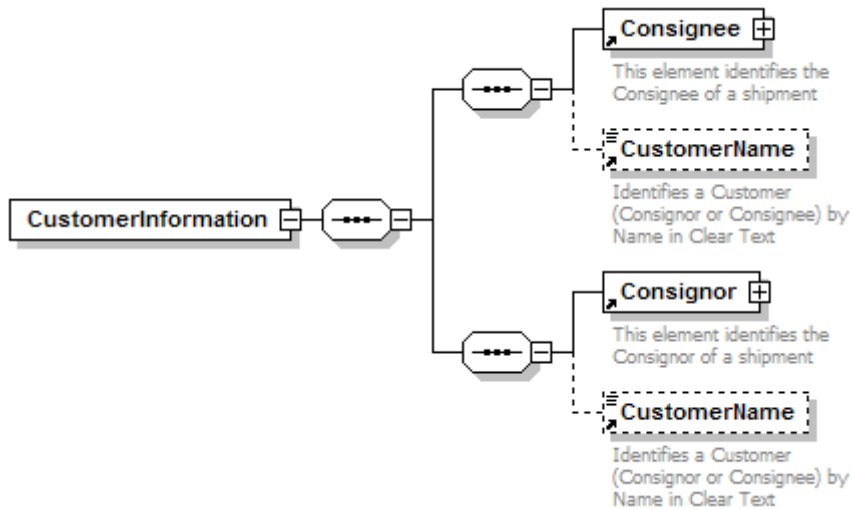
children [CustomerInformation](#) [ConsignmentNumber](#) [ConsignmentDescription](#) [RequestedTimeOfDelivery](#) [Destination](#) [WagonInformation](#) [ContractInformation](#) [DangerousGoodsIndication](#) [WagonInstruction](#) [PreviousWagonNumber](#) [PreviousConsignmentNumber](#) [NextIntermediateDestination](#) [PreviousResponsibleRU](#) [NextResponsibleRU](#) [ConsignorAssignedReference](#) [ContractNumberCustomer](#)

```

source <xs:element name="ConsignmentLevelData">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="CustomerInformation">
        <xs:complexType>
          <xs:sequence>
            <xs:sequence>
              <xs:sequence>
                <xs:element ref="Consignee"/>
                <xs:element ref="CustomerName" minOccurs="0"/>
              </xs:sequence>
              <xs:sequence>
                <xs:element ref="Consignor"/>
                <xs:element ref="CustomerName" minOccurs="0"/>
              </xs:sequence>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element ref="ConsignmentNumber"/>
        <xs:element ref="ConsignmentDescription"/>
        <xs:element ref="RequestedTimeOfDelivery"/>
        <xs:element ref="Destination"/>
        <xs:element ref="WagonInformation"/>
        <xs:element ref="ContractInformation" minOccurs="0"/>
        <xs:element ref="DangerousGoodsIndication" minOccurs="0"/>
        <xs:element ref="WagonInstruction" minOccurs="0"/>
        <xs:element name="PreviousWagonNumber" type="WagonIdent" minOccurs="0"/>
        <xs:element ref="PreviousConsignmentNumber" minOccurs="0"/>
        <xs:sequence minOccurs="0">
          <xs:element ref="NextIntermediateDestination"/>
          <xs:element ref="PreviousResponsibleRU"/>
          <xs:element ref="NextResponsibleRU"/>
        </xs:sequence>
        <xs:element ref="ConsignorAssignedReference" minOccurs="0"/>
        <xs:element ref="ContractNumberCustomer" minOccurs="0"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  
```

element WIMO_Dataset_v3-1/ConsignmentLevelData/CustomerInformation

diagram



children [Consignee](#) [CustomerName](#) [Consignor](#)

```

source <xs:element name="CustomerInformation">
  <xs:complexType>
  
```

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Database (WIMO))

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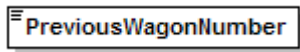
```

<xs:sequence>
  <xs:sequence>
    <xs:element ref="Consignee"/>
    <xs:element ref="CustomerName" minOccurs="0"/>
  </xs:sequence>
  <xs:sequence>
    <xs:element ref="Consignor"/>
    <xs:element ref="CustomerName" minOccurs="0"/>
  </xs:sequence>
</xs:sequence>
</xs:complexType>
</xs:element>

```

element WIMO_Dataset_v3-1/ConsignmentLevelData/PreviousWagonNumber

diagram



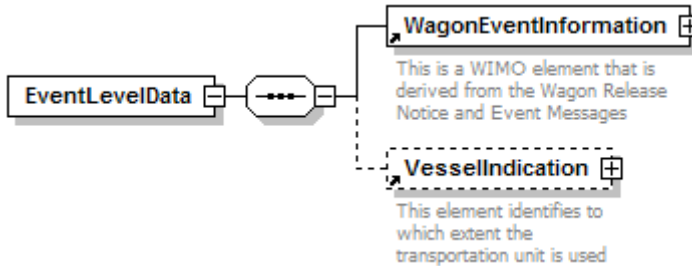
type [WagonIdent](#)

facets length 12

source `<xs:element name="PreviousWagonNumber" type="WagonIdent" minOccurs="0"/>`

element WIMO_Dataset_v3-1/EventLevelData

diagram



children [WagonEventInformation](#) [VesselIndication](#)

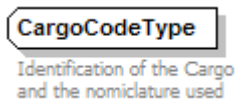
```

source <xs:element name="EventLevelData">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="WagonEventInformation"/>
      <xs:element ref="VesselIndication" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

complexType CargoCodeType

diagram



type extension of [FreeText](#)

used by element [LoadType](#)

facets length 255

attributes	Name	Type	Use	Default	Fixed	Annotation
	CargoCodingType	IdentCode				

annotation documentation Identification of the Cargo and the nomenclature used

```

source <xs:complexType name="CargoCodeType">
  <xs:annotation>

```




Database (WIMO))

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```

<xs:documentation>Identification of the Cargo and the nomenclature used</xs:documentation>
</xs:annotation>
<xs:simpleContent>
<xs:extension base="FreeText">
<xs:attribute name="CargoCodingType">
<xs:simpleType>
<xs:restriction base="IdentCode">
<xs:length value="3"/>
<xs:enumeration value="NHM"/>
<xs:enumeration value="CN"/>
</xs:restriction>
</xs:simpleType>
</xs:attribute>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
    
```

complexType **ConsignmentIdent**

diagram



type extension of **xs:string**

used by elements [ConsignmentNumber](#) [PreviousConsignmentNumber](#)

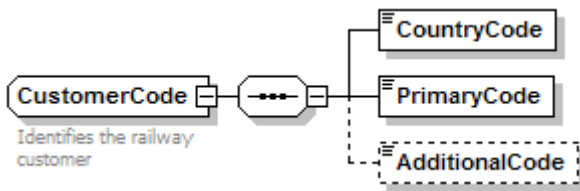
annotation documentation Identifies a waybill by its number and type

```

source <xs:complexType name="ConsignmentIdent">
<xs:annotation>
<xs:documentation>Identifies a waybill by its number and type</xs:documentation>
</xs:annotation>
<xs:simpleContent>
<xs:extension base="xs:string"/>
</xs:simpleContent>
</xs:complexType>
    
```

complexType **CustomerCode**

diagram



children [CountryCode](#) [PrimaryCode](#) [AdditionalCode](#)

used by elements [Consignee](#) [Consignor](#) [CustomerIdent](#)

annotation documentation Identifies the railway customer

```

source <xs:complexType name="CustomerCode">
<xs:annotation>
<xs:documentation>Identifies the railway customer</xs:documentation>
</xs:annotation>
<xs:sequence>
<xs:element name="CountryCode" type="CountryIdent"/>
<xs:element name="PrimaryCode" type="String1-14"/>
<xs:element name="AdditionalCode" type="String1-7" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
    
```



Database (WIMO))

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element **CustomerCode/CountryCode**

diagram

type [CountryIdent](#)

facets minLength 2
 maxLength 2

source `<xs:element name="CountryCode" type="CountryIdent"/>`

element **CustomerCode/PrimaryCode**

diagram

type [String1-14](#)

facets length 1
 minLength 14

source `<xs:element name="PrimaryCode" type="String1-14"/>`

element **CustomerCode/AdditionalCode**

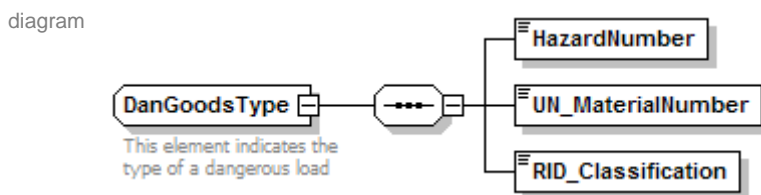
diagram

type [String1-7](#)

facets minLength 1
 maxLength 7

source `<xs:element name="AdditionalCode" type="String1-7" minOccurs="0"/>`

complexType **DanGoodsType**



children [HazardNumber](#) [UN_MaterialNumber](#) [RID_Classification](#)

used by elements [DangerousGoodsIndication](#) [DangerousGoodsRestrictions](#)

annotation documentation This element indicates the type of a dangerous load

source `<xs:complexType name="DanGoodsType">
 <xs:annotation>
 <xs:documentation>This element indicates the type of a dangerous load</xs:documentation>
 </xs:annotation>
 <xs:sequence>
 <xs:element name="HazardNumber">
 <xs:simpleType>
 <xs:restriction base="xs:string">
 <xs:length value="4"/>
 </xs:restriction>
 </xs:simpleType>
 </xs:element>
 <xs:element name="UN_MaterialNumber">
 <xs:simpleType>
 <xs:restriction base="xs:integer">
 <xs:minInclusive value="0001"/>
 <xs:maxInclusive value="9999"/>
 </xs:restriction>
 </xs:simpleType>
 </xs:element>
 </xs:sequence>
</xs:complexType>`



Database (WIMO))

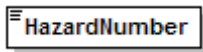
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```
</xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="RID_Classification">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="6"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:complexType>
```

element DanGoodsType/HazardNumber

diagram



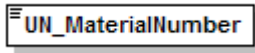
type restriction of xs:string

facets length 4

```
<xs:element name="HazardNumber">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element DanGoodsType/UN_MaterialNumber

diagram



type restriction of xs:integer

facets minInclusive 0001
maxInclusive 9999

```
<xs:element name="UN_MaterialNumber">
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:minInclusive value="0001"/>
      <xs:maxInclusive value="9999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element DanGoodsType/RID_Classification

diagram



type restriction of xs:string

facets length 6

```
<xs:element name="RID_Classification">
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="6"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```



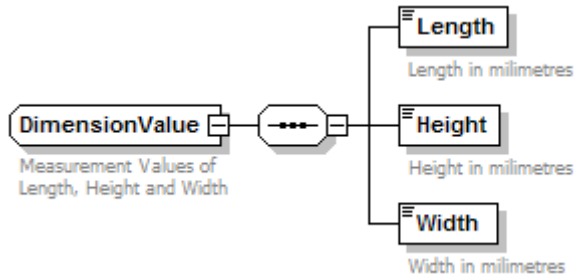
Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

complexType **DimensionValue**

diagram



children [Length](#) [Height](#) [Width](#)

used by elements [TotalWeighDim/Dimensions](#) [WagonInformation/TotalWeightDim](#)

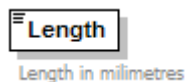
annotation documentation Measurement Values of Length, Height and Width

```

source <xs:complexType name="DimensionValue">
  <xs:annotation>
    <xs:documentation>Measurement Values of Length, Height and Width</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="Length">
      <xs:annotation>
        <xs:documentation>Length in millimetres</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:int">
          <xs:minInclusive value="1"/>
          <xs:maxInclusive value="999999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Height">
      <xs:annotation>
        <xs:documentation>Height in millimetres</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:integer">
          <xs:minInclusive value="1"/>
          <xs:maxInclusive value="999999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="Width">
      <xs:annotation>
        <xs:documentation>Width in millimetres</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:int">
          <xs:minInclusive value="1"/>
          <xs:maxInclusive value="999999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
    
```

element **DimensionValue/Length**

diagram



type restriction of **xs:int**



Database (WIMO))


Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

facets minInclusive 1
 maxInclusive 999999
annotation documentation Length in millimetres

source <xs:element name="Length">
 <xs:annotation>
 <xs:documentation>Length in millimetres</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
 <xs:restriction base="xs:int">
 <xs:minInclusive value="1"/>
 <xs:maxInclusive value="999999"/>
 </xs:restriction>
 </xs:simpleType>
 </xs:element>

element DimensionValue/Height

diagram 

type restriction of **xs:integer**

facets minInclusive 1
 maxInclusive 999999
annotation documentation Height in millimetres

source <xs:element name="Height">
 <xs:annotation>
 <xs:documentation>Height in millimetres</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
 <xs:restriction base="xs:integer">
 <xs:minInclusive value="1"/>
 <xs:maxInclusive value="999999"/>
 </xs:restriction>
 </xs:simpleType>
 </xs:element>

element DimensionValue/Width

diagram 

type restriction of **xs:int**

facets minInclusive 1
 maxInclusive 999999
annotation documentation Width in millimetres

source <xs:element name="Width">
 <xs:annotation>
 <xs:documentation>Width in millimetres</xs:documentation>
 </xs:annotation>
 <xs:simpleType>
 <xs:restriction base="xs:int">
 <xs:minInclusive value="1"/>
 <xs:maxInclusive value="999999"/>
 </xs:restriction>
 </xs:simpleType>
 </xs:element>



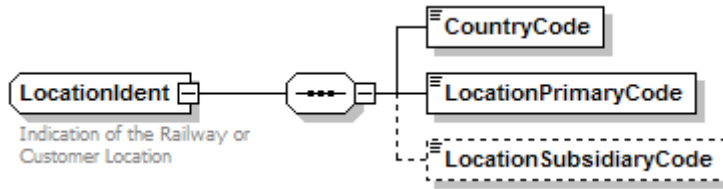
Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

complexType LocationIdent

diagram



children [CountryCode](#) [LocationPrimaryCode](#) [LocationSubsidiaryCode](#)

used by elements [Destination](#) [IntermediateDestination](#) [Location](#) [RepairLocation](#)

annotation documentation Indication of the Railway or Customer Location

```

source <xs:complexType name="LocationIdent">
  <xs:annotation>
    <xs:documentation>Indication of the Railway or Customer Location</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="CountryCode" type="CountryIdent"/>
    <xs:element name="LocationPrimaryCode" type="Numeric1-5"/>
    <xs:element name="LocationSubsidiaryCode" minOccurs="0">
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension base="String1-7">
            <xs:attribute name="LocationSubsidiaryTypeCode" use="required">
              <xs:simpleType>
                <xs:restriction base="IdentCode">
                  <xs:enumeration value="00"/>
                  <xs:enumeration value="01"/>
                  <xs:enumeration value="02"/>
                  <xs:enumeration value="03"/>
                  <xs:enumeration value="04"/>
                  <xs:enumeration value="05"/>
                  <xs:enumeration value="06"/>
                  <xs:enumeration value="07"/>
                  <xs:enumeration value="08"/>
                  <xs:enumeration value="09"/>
                  <xs:enumeration value=""/>
                </xs:restriction>
              </xs:simpleType>
            </xs:attribute>
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
    
```

element LocationIdent/CountryCode

diagram



type [CountryIdent](#)

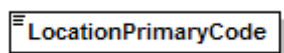
facets minLength 2
maxLength 2

```

source <xs:element name="CountryCode" type="CountryIdent"/>
    
```

element LocationIdent/LocationPrimaryCode

diagram





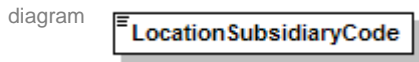
Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

type [Numeric1-5](#)
 facets minInclusive 1
 maxInclusive 99999
 source <xs:element name="LocationPrimaryCode" type="Numeric1-5"/>

element **LocationIdent/LocationSubsidiaryCode**



type extension of [String1-7](#)
 facets minLength 1
 maxLength 7
 attributes

Name	Type	Use	Default	Fixed	Annotation
LocationSubsidiaryTypeCode	IdentCode	required			

source <xs:element name="LocationSubsidiaryCode" minOccurs="0">
 <xs:complexType>
 <xs:simpleContent>
 <xs:extension base="String1-7">
 <xs:attribute name="LocationSubsidiaryTypeCode" use="required">
 <xs:simpleType>
 <xs:restriction base="IdentCode">
 <xs:enumeration value="00"/>
 <xs:enumeration value="01"/>
 <xs:enumeration value="02"/>
 <xs:enumeration value="03"/>
 <xs:enumeration value="04"/>
 <xs:enumeration value="05"/>
 <xs:enumeration value="06"/>
 <xs:enumeration value="07"/>
 <xs:enumeration value="08"/>
 <xs:enumeration value="09"/>
 <xs:enumeration value=""/>
 </xs:restriction>
 </xs:simpleType>
 </xs:attribute>
 </xs:extension>
 </xs:simpleContent>
 </xs:complexType>
 </xs:element>

simpleType **CapacityIndicator**

type restriction of **xs:string**
 used by element [WagonInformation/UnitCapacityUsed](#)
 facets enumeration 0
 enumeration 1
 enumeration 2
 annotation documentation Capacity used of the transport unit
 source <xs:simpleType name="CapacityIndicator">
 <xs:annotation>
 <xs:documentation>Capacity used of the transport unit</xs:documentation>
 </xs:annotation>
 <xs:restriction base="xs:string">
 <xs:enumeration value="0"/>
 <xs:enumeration value="1"/>
 <xs:enumeration value="2"/>
 </xs:restriction>
 </xs:simpleType>



Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

simpleType **CommunicationRefID**

type restriction of **xs:string**

used by element [ControlContactIdent](#)

facets length 70

annotation documentation Identifier for communications contact reference (i.e. fax number, phone number, e-mail, URL)

source `<xs:simpleType name="CommunicationRefID">
 <xs:annotation>
 <xs:documentation>Identifier for communications contact reference (i.e. fax number, phone number, e-mail, URL)</xs:documentation>
 </xs:annotation>
 <xs:restriction base="xs:string">
 <xs:length value="70"/>
 </xs:restriction>
</xs:simpleType>`

simpleType **CompanyCode**

type restriction of [Numeric4-4](#)

used by elements [Company](#) [CompanyIdent](#) [FleetManager](#) [Keeper](#) [MaintenanceResponsibility](#) [NextResponsibleRU](#) [NotifiedBody](#) [PreviousResponsibleRU](#) [RebuildManufacturer](#) [ExceptionPoint/ResponsibleRU](#) [RU](#) [Partner](#)

facets minInclusive 0001 maxInclusive 9999

annotation documentation Identifies the RU, IM or other company involved in the Rail Transport Chain

source `<xs:simpleType name="CompanyCode">
 <xs:annotation>
 <xs:documentation>Identifies the RU, IM or other company involved in the Rail Transport Chain</xs:documentation>
 </xs:annotation>
 <xs:restriction base="Numeric4-4">
 <xs:minInclusive value="0001"/>
 <xs:maxInclusive value="9999"/>
 </xs:restriction>
</xs:simpleType>`

simpleType **ConsignmentTypeCode**

type restriction of [IdentCode](#)

facets enumeration CIM enumeration Other

annotation documentation Identifies the type of a waybill

source `<xs:simpleType name="ConsignmentTypeCode">
 <xs:annotation>
 <xs:documentation>Identifies the type of a waybill</xs:documentation>
 </xs:annotation>
 <xs:restriction base="IdentCode">
 <xs:enumeration value="CIM"/>
 <xs:enumeration value="Other"/>
 </xs:restriction>
</xs:simpleType>`

simpleType **CountryIdent**

type restriction of **xs:string**

used by elements [CustomerCode/CountryCode](#) [LocationIdent/CountryCode](#) [RefusedBy](#)

facets minLength 2 maxLength 2

annotation documentation ISO 3166-1 alpha code (2 positions)

Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating



Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

```
source <xs:simpleType name="CountryIdent">
  <xs:annotation>
    <xs:documentation>ISO 3166-1 alpha code (2 positions)</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:minLength value="2"/>
    <xs:maxLength value="2"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType DateTime

```
type xs:dateTime
used by elements ClosingTime DeliveryTimeAtInterchange WagonEventInformation/EventDateTime
ExceptionPoint/ExceptionTimeAtLocation PathDestinationTime
RequestedTimeOfDelivery ExceptionPoint/ScheduledTimeAtLocation
annotation documentation All dates/times are in UTC, time diffeneces according the time zones must be handled in the
individual systems
source <xs:simpleType name="DateTime">
  <xs:annotation>
    <xs:documentation>All dates/times are in UTC, time diffeneces according the time zones must be handled in the
individual systems</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:dateTime"/>
</xs:simpleType>
```

simpleType DelayCode

```
type restriction of IdentCode
used by element ExceptionReason/InterruptionReason
facets
enumeration 11
enumeration 10
enumeration 12
enumeration 13
enumeration 14
enumeration 15
enumeration 16
enumeration 17
enumeration 18
enumeration 19
enumeration 20
enumeration 21
enumeration 22
enumeration 24
enumeration 25
enumeration 26
enumeration 27
enumeration 28
enumeration 29
enumeration 31
enumeration 30
enumeration 32
enumeration 33
enumeration 34
enumeration 39
enumeration 40
enumeration 41
enumeration 42
enumeration 43
enumeration 49
enumeration 50
enumeration 51
enumeration 52
enumeration 53
enumeration 54
enumeration 59
enumeration 60
```



Database (WIMO))

Annex 1 : WIMO data

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- enumeration 61
- enumeration 62
- enumeration 63
- enumeration 64
- enumeration 65
- enumeration 66
- enumeration 70
- enumeration 69
- enumeration 71
- enumeration 72
- enumeration 73
- enumeration 74
- enumeration 75
- enumeration 76
- enumeration 79
- enumeration 80
- enumeration 81
- enumeration 82
- enumeration 83
- enumeration 84
- enumeration 85
- enumeration 86
- enumeration 89

annotation documentation Reason for a delay or interruption. UIC Leaflet 450-2, Appendix C.

```

source <xs:simpleType name="DelayCode">
  <xs:annotation>
    <xs:documentation>Reason for a delay or interruption. UIC Leaflet 450-2, Appendix C.</xs:documentation>
  </xs:annotation>
  <xs:restriction base="IdentCode">
    <xs:enumeration value="11"/>
    <xs:enumeration value="10"/>
    <xs:enumeration value="12"/>
    <xs:enumeration value="13"/>
    <xs:enumeration value="14"/>
    <xs:enumeration value="15"/>
    <xs:enumeration value="16"/>
    <xs:enumeration value="17"/>
    <xs:enumeration value="18"/>
    <xs:enumeration value="19"/>
    <xs:enumeration value="20"/>
    <xs:enumeration value="21"/>
    <xs:enumeration value="22"/>
    <xs:enumeration value="24"/>
    <xs:enumeration value="25"/>
    <xs:enumeration value="26"/>
    <xs:enumeration value="27"/>
    <xs:enumeration value="28"/>
    <xs:enumeration value="29"/>
    <xs:enumeration value="31"/>
    <xs:enumeration value="30"/>
    <xs:enumeration value="32"/>
    <xs:enumeration value="33"/>
    <xs:enumeration value="34"/>
    <xs:enumeration value="39"/>
    <xs:enumeration value="40"/>
    <xs:enumeration value="41"/>
    <xs:enumeration value="42"/>
    <xs:enumeration value="43"/>
    <xs:enumeration value="49"/>
    <xs:enumeration value="50"/>
    <xs:enumeration value="51"/>
    <xs:enumeration value="52"/>
    <xs:enumeration value="53"/>
    <xs:enumeration value="54"/>
    <xs:enumeration value="59"/>
    <xs:enumeration value="60"/>
    <xs:enumeration value="61"/>
    <xs:enumeration value="62"/>
    <xs:enumeration value="63"/>
    <xs:enumeration value="64"/>
    <xs:enumeration value="65"/>
    <xs:enumeration value="66"/>
  </xs:restriction>
</xs:simpleType>

```



Database (WIMO))

Annex 1 : WIMO data

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```

<xs:enumeration value="70"/>
<xs:enumeration value="69"/>
<xs:enumeration value="71"/>
<xs:enumeration value="72"/>
<xs:enumeration value="73"/>
<xs:enumeration value="74"/>
<xs:enumeration value="75"/>
<xs:enumeration value="76"/>
<xs:enumeration value="79"/>
<xs:enumeration value="80"/>
<xs:enumeration value="81"/>
<xs:enumeration value="82"/>
<xs:enumeration value="83"/>
<xs:enumeration value="84"/>
<xs:enumeration value="85"/>
<xs:enumeration value="86"/>
<xs:enumeration value="89"/>
</xs:restriction>
</xs:simpleType>
    
```

simpleType **FreeText**

type restriction of **xs:string**

used by elements [AdditionalInstruction](#) [ContractNumber](#) [ContractNumberCustomer](#) [ContractNumberMovement](#) [DeliveryInstruction](#) [GoodsDescription](#) [HandlingInstruction](#) [InterruptionDescription](#) [RouteInformation](#) [TransportInstruction](#) [CargoCodeType](#)

facets complexType length 255

annotation documentation Clear Text in ISO Unicode character set

source `<xs:simpleType name="FreeText">
<xs:annotation>
<xs:documentation>Clear Text in ISO Unicode character set</xs:documentation>
</xs:annotation>
<xs:restriction base="xs:string">
<xs:length value="255"/>
</xs:restriction>
</xs:simpleType>`

simpleType **IdentCode**

type **xs:string**

used by elements [AirBrakeChangeoverLever](#) [AirBrakeType](#) [BrakeType](#) [CouplingType](#) [TechnicalForwardingRestrictions/ForwardingRestrictionType](#) [HandBrakeType](#) [LocationIdent/LocationSubsidiaryCode](#) [RestrictionOrProhibition](#) [WagonEventInformation/WagonEvent](#) [WagonType](#) [CargoCodeType](#) [ConsignmentTypeCode](#) [DelayCode](#) [RunningStatus](#) [UnitType](#)

annotation documentation Enumerated value

source `<xs:simpleType name="IdentCode">
<xs:annotation>
<xs:documentation>Enumerated value</xs:documentation>
</xs:annotation>
<xs:restriction base="xs:string"/>
</xs:simpleType>`

simpleType **InfoIndex**

type restriction of **xs:string**

used by element [ExceptionalGaugingInd](#)

facets enumeration 10
enumeration 20
enumeration 30



Database (WIMO))

Annex 1 : WIMO data

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annotation documentation indicates additional information

```
source <xs:simpleType name="InfoIndex">
  <xs:annotation>
    <xs:documentation>indicates additional information</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:enumeration value="10"/>
    <xs:enumeration value="20"/>
    <xs:enumeration value="30"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType Name

type restriction of **xs:string**
used by elements [CustomerName](#) [VesselName](#)
facets length 254
annotation documentation Name in Free Text

```
source <xs:simpleType name="Name">
  <xs:annotation>
    <xs:documentation>Name in Free Text</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:length value="254"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType Numeric1-5

type restriction of **xs:positiveInteger**
used by element [LocationIdent/LocationPrimaryCode](#)
facets minInclusive 1
maxInclusive 99999

```
source <xs:simpleType name="Numeric1-5">
  <xs:restriction base="xs:positiveInteger">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="99999"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType Numeric2-2

type restriction of **xs:integer**
facets minInclusive 01
maxInclusive 99
source <xs:simpleType name="Numeric2-2">
 <xs:restriction base="xs:integer">
 <xs:minInclusive value="01"/>
 <xs:maxInclusive value="99"/>
 </xs:restriction>
</xs:simpleType>

simpleType Numeric4-4

type restriction of **xs:integer**
used by simpleType [CompanyCode](#)
facets minInclusive 0001
maxInclusive 9999



Database (WIMO))

Annex 1 : WIMO data

PROJECT No: 2005-EU-93008-S

```
source <xs:simpleType name="Numeric4-4">
  <xs:restriction base="xs:integer">
    <xs:minInclusive value="0001"/>
    <xs:maxInclusive value="9999"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType PathIdent

```
type restriction of String5-6
facets   minLength 5
         maxLength 6
annotation documentation For interoperable trains, this is the five character Train Number as defined in UIC Leaflet 419-2
source <xs:simpleType name="PathIdent">
  <xs:annotation>
    <xs:documentation>For interoperable trains, this is the five character Train Number as defined in UIC Leaflet 419-2</xs:documentation>
  </xs:annotation>
  <xs:restriction base="String5-6">
    <xs:maxLength value="6"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType RunningStatus

```
type restriction of IdentCode
used by element WagonLocationStatus
facets   enumeration 00
         enumeration 01
         enumeration 02
         enumeration 03
         enumeration 04
         enumeration 05
         enumeration 10
         enumeration 11
         enumeration 12
         enumeration 13
         enumeration 14
         enumeration 15
         enumeration 16
         enumeration 17
         enumeration 18
         enumeration 19
annotation documentation Identifies the status of a train related to the actual time at the reporting point
source <xs:simpleType name="RunningStatus">
  <xs:annotation>
    <xs:documentation>Identifies the status of a train related to the actual time at the reporting point</xs:documentation>
  </xs:annotation>
  <xs:restriction base="IdentCode">
    <xs:enumeration value="00"/>
    <xs:enumeration value="01"/>
    <xs:enumeration value="02"/>
    <xs:enumeration value="03"/>
    <xs:enumeration value="04"/>
    <xs:enumeration value="05"/>
    <xs:enumeration value="10"/>
    <xs:enumeration value="11"/>
    <xs:enumeration value="12"/>
    <xs:enumeration value="13"/>
    <xs:enumeration value="14"/>
    <xs:enumeration value="15"/>
    <xs:enumeration value="16"/>
    <xs:enumeration value="17"/>
    <xs:enumeration value="18"/>
    <xs:enumeration value="19"/>
  </xs:restriction>
</xs:simpleType>
```



Database (WIMO))

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</xs:restriction>
</xs:simpleType>

simpleType **String1-14**

type restriction of **xs:string**
used by element [CustomerCode/PrimaryCode](#)
facets length 1
minLength 14
source <xs:simpleType name="String1-14">
<xs:restriction base="xs:string">
<xs:length value="1"/>
<xs:minLength value="14"/>
</xs:restriction>
</xs:simpleType>

simpleType **String1-7**

type restriction of **xs:string**
used by elements [CustomerCode/AdditionalCode](#) [LocationIdent/LocationSubsidiaryCode](#)
facets minLength 1
maxLength 7
source <xs:simpleType name="String1-7">
<xs:restriction base="xs:string">
<xs:minLength value="1"/>
<xs:maxLength value="7"/>
</xs:restriction>
</xs:simpleType>

simpleType **String5-6**

type restriction of **xs:string**
used by simpleType [PathIdent](#)
facets minLength 5
maxLength 6
source <xs:simpleType name="String5-6">
<xs:restriction base="xs:string">
<xs:minLength value="5"/>
<xs:maxLength value="6"/>
</xs:restriction>
</xs:simpleType>

simpleType **UnitType**

type restriction of [IdentCode](#)
used by attribute [TransportUnit/@UnitTypeCode](#)
facets enumeration 10
enumeration 20
enumeration 25
enumeration 30
enumeration 40
annotation documentation Indicates the type of a Transportation unit
source <xs:simpleType name="UnitType">
<xs:annotation>
<xs:documentation>Indicates the type of a Transportation unit</xs:documentation>
</xs:annotation>
<xs:restriction base="IdentCode">
<xs:enumeration value="10"/>
<xs:enumeration value="20"/>



Database (WIMO))

Annex 1 : WIMO data

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```
<xs:enumeration value="25"/>
<xs:enumeration value="30"/>
<xs:enumeration value="40"/>
</xs:restriction>
</xs:simpleType>
```

simpleType VolumeValue

type xs:float
used by element Volume
annotation documentation Volume value of the load units by cbm
source <xs:simpleType name="VolumeValue">
<xs:annotation>
<xs:documentation>Volume value of the load units by cbm</xs:documentation>
</xs:annotation>
<xs:restriction base="xs:float"/>
</xs:simpleType>

simpleType WagonIdent

type restriction of xs:string
used by elements WIMO Dataset v3-1/ConsignmentLevelData/PreviousWagonNumber TractionIdent WagonNumberFreight
facets length 12
annotation documentation Identification code of a freight wagon based on the TSI OPE and CEN Recommendations
source <xs:simpleType name="WagonIdent">
<xs:annotation>
<xs:documentation>Identification code of a freight wagon based on the TSI OPE and CEN Recommendations</xs:documentation>
</xs:annotation>
<xs:restriction base="xs:string">
<xs:length value="12"/>
</xs:restriction>
</xs:simpleType>

simpleType WeightValueKilo

type restriction of xs:integer
used by elements GrossWeight TotalLoadWeight WagonWeightEmpty
facets minInclusive 1 maxInclusive 999999 whiteSpace collapse
annotation documentation In Kilograms
source <xs:simpleType name="WeightValueKilo">
<xs:annotation>
<xs:documentation>In Kilograms</xs:documentation>
</xs:annotation>
<xs:restriction base="xs:integer">
<xs:minInclusive value="1"/>
<xs:maxInclusive value="999999"/>
<xs:whiteSpace value="collapse"/>
</xs:restriction>
</xs:simpleType>

simpleType WeightValueTonne

type restriction of xs:int
facets minInclusive 1 maxInclusive 9999

Deliverable 2- Specification 2 (Wagon and Intermodal Unit Operating



Database (WIMO))

Annex 1 : WIMO data

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annotation documentation In Tonnes 4

```
source <xs:simpleType name="WeightValueTonne">
  <xs:annotation>
    <xs:documentation>In Tonnes 4</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:int">
    <xs:minInclusive value="1"/>
    <xs:maxInclusive value="9999"/>
  </xs:restriction>
</xs:simpleType>
```

XML Schema documentation generated with [XMLSPY](http://www.altova.com/xmlspy) Schema Editor <http://www.altova.com/xmlspy>