INTEROPERABILITY UNIT

TAP TSI: ANNEX B.30

SCHEMA - MESSAGES/DATASETS CATALOGUE NEEDED FOR THE RU/IM COMMUNICATION OF TAP TSI

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VERSION:	1.1	**TAP TSI**	
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AMENDMENT RECORD

Version	Date	Section number	Modification/description
1.1	05.05.2011	All sections	First release

Introduction

The present document belongs to the set of Technical Documents described in Annex III ‘List of Technical Documents referenced in this TSI’ of the COMMISSION REGULATION (EU) No 454/2011.

Schema - messages/datasets catalogue needed for the RU/IM communication of TAP TSI

Application :

With effect from 5 May 2011.

All actors of the European Union falling under the provisions of the TAP TSI.

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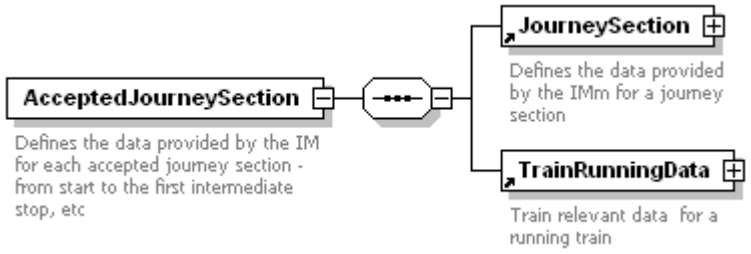
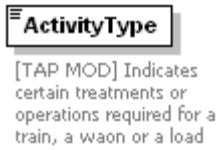
element **AcceptedJourneySection**

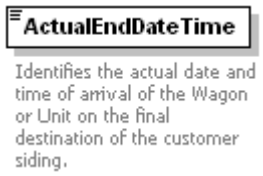
diagram	
properties	content complex

children	**JourneySection** **TrainRunningData**
used by	element **PathDetailsMessage**
source	<xs:element name="AcceptedJourneySection"> <xs:annotation> <xs:documentation>Defines the data provided by the IM for each accepted journey section - from start to the first intermediate stop, etc</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="JourneySection"/> <xs:element ref="TrainRunningData"/> </xs:sequence> </xs:complexType> </xs:element>

element **ActivityType**

diagram	
type	**ActivityCode**
properties	content simple
used by	element **TrainRunningData**
source	<xs:element name="ActivityType" type="ActivityCode"> <xs:annotation> <xs:documentation>[TAP MOD] Indicates certain treatments or operations required for a train, a waon or a load</xs:documentation> </xs:annotation> </xs:element>

element **ActualEndDateTime**

diagram	
type	**DateTime**
properties	content simple
source	<xs:element name="ActualEndDateTime" type="DateTime"> <xs:annotation> <xs:documentation>Identifies the actual date and time of arrival of the Wagon or Unit on the final

	destination of the customer siding.</xs:documentation> </xs:annotation> </xs:element>

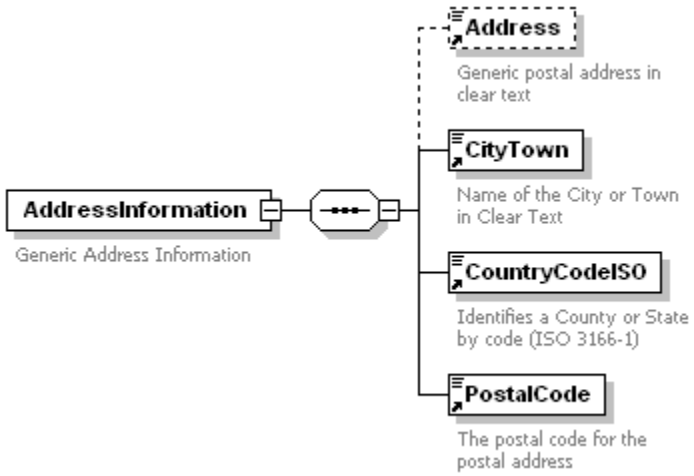
element **ActualLocationTime**

diagram	
type	**DateTime**
properties	content simple
used by	element **TrainLocationReport**
source	<xs:element name="ActualLocationTime" type="DateTime"> <xs:annotation> <xs:documentation>Identifies the actual Date / Time at a specific reporting point</xs:documentation> </xs:annotation> </xs:element>

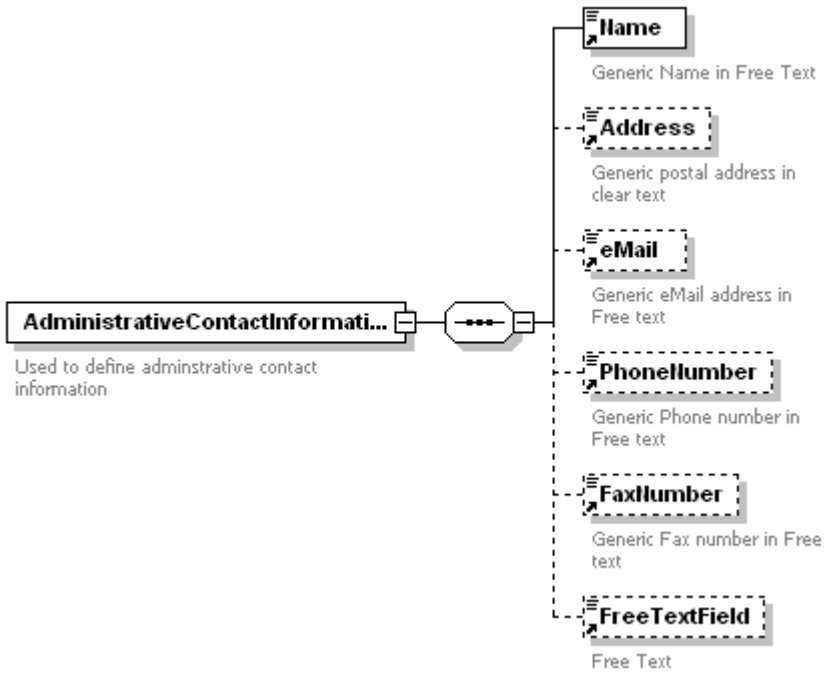
element **Address**

diagram	
type	**FreeText**
properties	content simple
used by	elements **AddressInformation** **AdministrativeContactInformation**
source	<xs:element name="Address" type="FreeText"> <xs:annotation> <xs:documentation>Generic postal address in clear text</xs:documentation> </xs:annotation> </xs:element>

element **AddressInformation**

diagram	
properties	content complex
children	**Address** **CityTown** **CountryCodeISO** **PostalCode**
used by	elements **CompanyFileDataset** **CompanyFileDatasetMessage**
source	<xs:element name="AddressInformation"> <xs:annotation> <xs:documentation>Generic Address Information</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Address" minOccurs="0"/> <xs:element ref="CityTown"/> <xs:element ref="CountryCodeISO"/> <xs:element ref="PostalCode"/> </xs:sequence> </xs:complexType> </xs:element>

element **AdministrativeContactInformation**

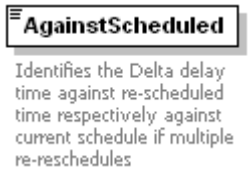
diagram	
properties	content complex
children	Name Address eMail PhoneNumber FaxNumber FreeTextField
used by	elements CompanyFileDataset CompanyFileDatasetMessage
source	<xs:element name="AdministrativeContactInformation"> <xs:annotation> <xs:documentation>Used to define adminstrative contact information</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Name"/> <xs:element ref="Address" minOccurs="0"/> <xs:element ref="eMail" minOccurs="0"/> <xs:element ref="PhoneNumber" minOccurs="0"/> <xs:element ref="FaxNumber" minOccurs="0"/> <xs:element ref="FreeTextField" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **AgainstBooked**

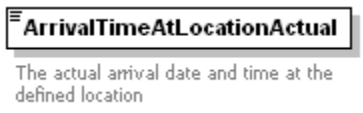
diagram	

type	**DeltaTime**
properties	content simple
used by	element **TrainDelay**
source	<xs:element name="AgainstBooked" type="DeltaTime"> <xs:annotation> <xs:documentation>Identifies the Delta delay time against the booked schedule in minutes</xs:documentation> </xs:annotation> </xs:element>

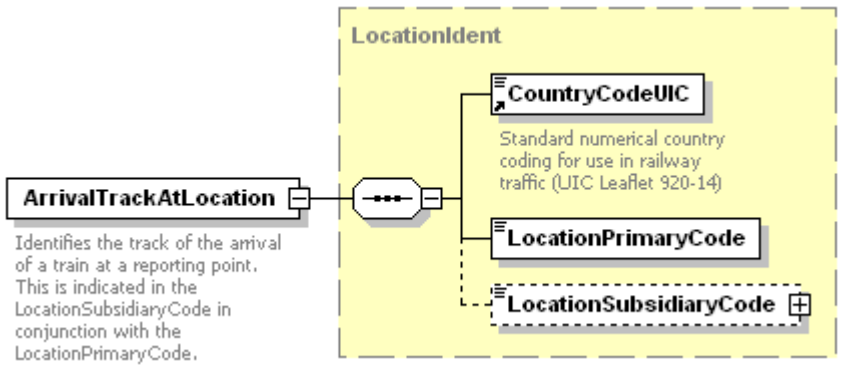
element **AgainstScheduled**

diagram	
type	**DeltaTime**
properties	content simple
used by	element **TrainDelay**
source	<xs:element name="AgainstScheduled" type="DeltaTime"> <xs:annotation> <xs:documentation>Identifies the Delta delay time against re-scheduled time respectively against current schedule if multiple re-reschedules</xs:documentation> </xs:annotation> </xs:element>

element **ArrivalTimeAtLocationActual**

diagram	
type	**DateTime**
properties	content simple
used by	element **TrainAtLocation**
source	<xs:element name="ArrivalTimeAtLocationActual" type="DateTime"> <xs:annotation> <xs:documentation>The actual arrival date and time at the defined location</xs:documentation> </xs:annotation> </xs:element>

element **ArrivalTrackAtLocation**

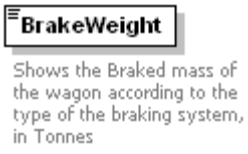
diagram	
type	**LocationIdent**
properties	content complex
children	**CountryCodeUIC** **LocationPrimaryCode** **LocationSubsidiaryCode**
used by	element **LocationTrack**
source	<xs:element name="ArrivalTrackAtLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>Identifies the track of the arrival of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode. </xs:documentation> </xs:annotation> </xs:element>

element **BrakeType**

diagram	
type	restriction of **IdentCode**
properties	content simple
used by	element **TrainRunningTechData**
facets	enumeration G enumeration P enumeration R
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	
type	restriction of **xs:int**
properties	content simple
used by	element **TrainRunningTechData**
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 **CauseDescription**

diagram	
type	**FreeText**
properties	content simple
used by	element **PathNotAvailableMessage**
source	<xs:element name="CauseDescription" type="FreeText"> <xs:annotation> <xs:documentation>Describes the cause of sending message</xs:documentation> </xs:annotation> </xs:element>

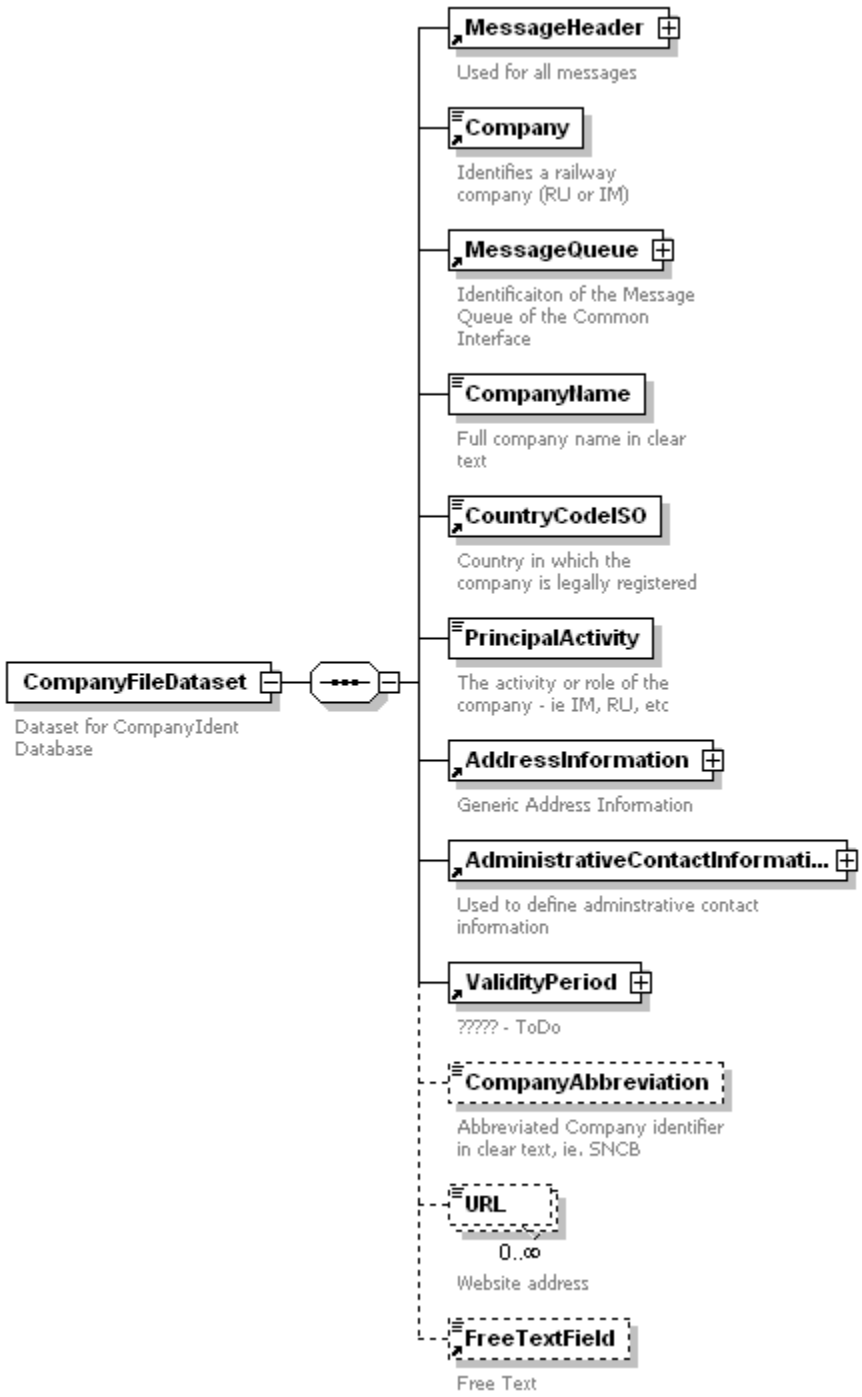
element **CityTown**

diagram	
type	restriction of **xs:string**
properties	content simple
used by	element **AddressInformation**
source	<xs:element name="CityTown"> <xs:annotation> <xs:documentation>Name of the City or Town in Clear Text</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Company**

diagram	
type	**CompanyCode**
properties	content simple
used by	elements **CompanyFileDataset** **CompanyFileDatasetMessage** **MessageQueue**
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 **CompanyFileDataset**

diagram	
properties	content complex
children	MessageHeader Company MessageQueue CompanyName CountryCodeISO PrincipalActivity AddressInformation AdministrativeContactInformation ValidityPeriod CompanyAbbreviation URL FreeTextField
source	<xs:element name="CompanyFileDataset">

```
<xs:annotation>
  <xs:documentation>Dataset for CompanyIdent Database</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element ref="MessageHeader"/>
    <xs:element ref="Company"/>
    <xs:element ref="MessageQueue"/>
    <xs:element name="CompanyName" type="Name">
      <xs:annotation>
        <xs:documentation>Full company name in clear text</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="CountryCodeISO">
      <xs:annotation>
        <xs:documentation>Country in which the company is legally registered</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="PrincipalActivity" type="FreeText">
      <xs:annotation>
        <xs:documentation>The activity or role of the company - ie IM, RU, etc</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="AddressInformation"/>
    <xs:element ref="AdministrativeContactInformation"/>
    <xs:element ref="ValidityPeriod"/>
    <xs:element name="CompanyAbbreviation" type="FreeText" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Abbreviated Company identifier in clear text, ie.
SNCB</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="URL" type="FreeText" minOccurs="0" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>Website address</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="FreeTextField" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
</xs:element>
```

element **CompanyFileDataset/CompanyName**

diagram	
type	**Name**
properties	isRef 0 content simple

source	<xs:element name="CompanyName" type="Name"> <xs:annotation> <xs:documentation>Full company name in clear text</xs:documentation> </xs:annotation> </xs:element>

element **CompanyFileDataset/PrincipalActivity**

diagram	
type	**FreeText**
properties	isRef 0 content simple
source	<xs:element name="PrincipalActivity" type="FreeText"> <xs:annotation> <xs:documentation>The activity or role of the company - ie IM, RU, etc</xs:documentation> </xs:annotation> </xs:element>

element **CompanyFileDataset/CompanyAbbreviation**

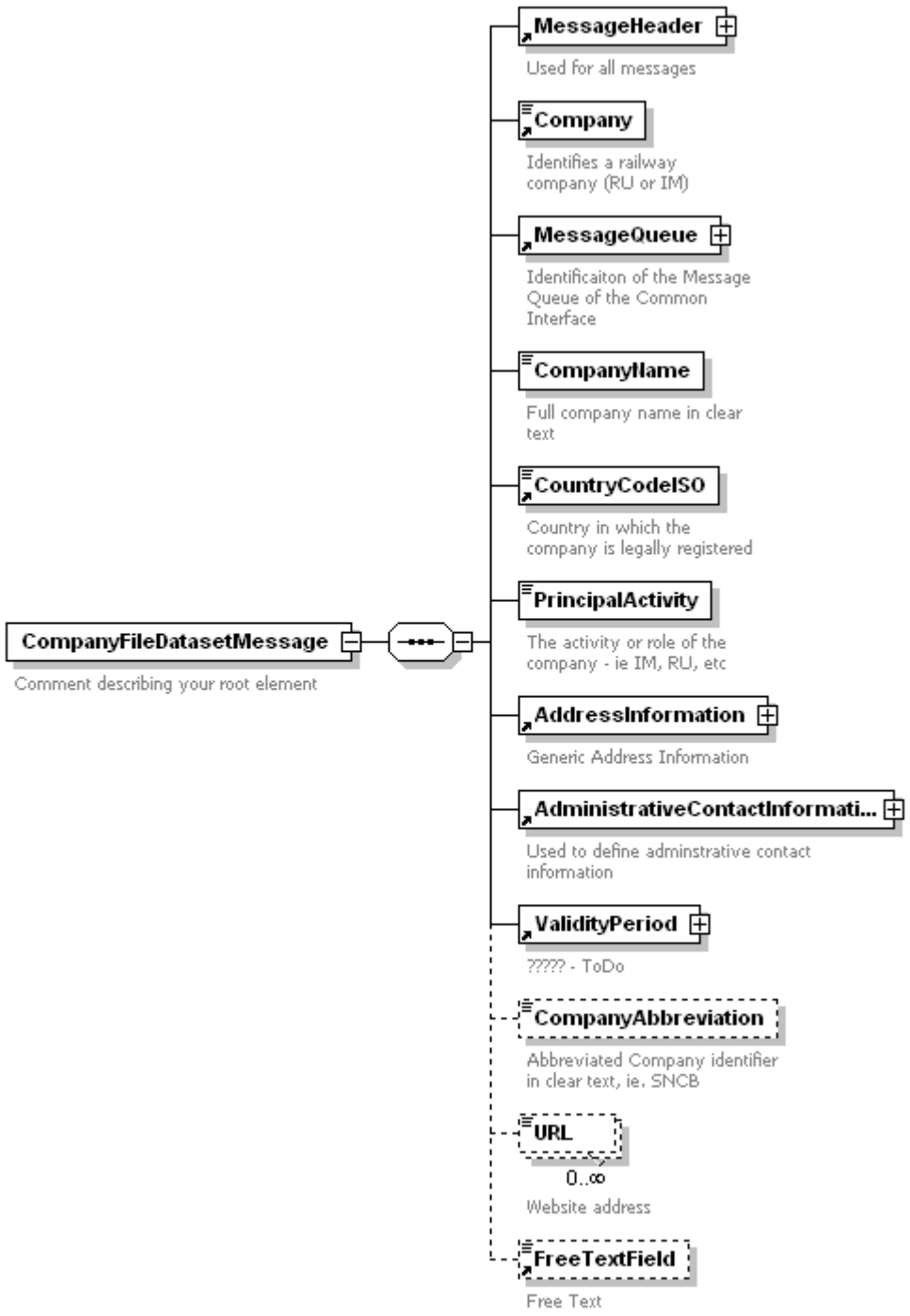
diagram	
type	**FreeText**
properties	isRef 0 minOcc 0 maxOcc 1 content simple
source	<xs:element name="CompanyAbbreviation" type="FreeText" minOccurs="0"> <xs:annotation> <xs:documentation>Abbreviated Company identifier in clear text, ie. SNCB</xs:documentation> </xs:annotation> </xs:element>

element **CompanyFileDataset/URL**

diagram	
type	**FreeText**
properties	isRef 0 minOcc 0 maxOcc unbounded

	content simple
source	<xs:element name="URL" type="FreeText" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Website address</xs:documentation> </xs:annotation> </xs:element>

element **CompanyFileDatasetMessage**

diagram	
properties	content complex
children	MessageHeader Company MessageQueue CompanyName CountryCodeISO PrincipalActivity AddressInformation AdministrativeContactInformation ValidityPeriod CompanyAbbreviation URL FreeTextField
source	<xs:element name="CompanyFileDatasetMessage">

```
<xs:annotation>
  <xs:documentation>Comment describing your root element</xs:documentation>
</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element ref="MessageHeader"/>
    <xs:element ref="Company"/>
    <xs:element ref="MessageQueue"/>
    <xs:element name="CompanyName" type="Name">
      <xs:annotation>
        <xs:documentation>Full company name in clear text</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="CountryCodeISO">
      <xs:annotation>
        <xs:documentation>Country in which the company is legally registered</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="PrincipalActivity" type="FreeText">
      <xs:annotation>
        <xs:documentation>The activity or role of the company - ie IM, RU, etc</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="AddressInformation"/>
    <xs:element ref="AdministrativeContactInformation"/>
    <xs:element ref="ValidityPeriod"/>
    <xs:element name="CompanyAbbreviation" type="FreeText" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Abbreviated Company identifier in clear text, ie.
SNCB</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="URL" type="FreeText" minOccurs="0" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation>Website address</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="FreeTextField" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
</xs:element>
```

element **CompanyFileDatasetMessage/CompanyName**

diagram	
type	**Name**
properties	isRef 0 content simple

source	<xs:element name="CompanyName" type="Name"> <xs:annotation> <xs:documentation>Full company name in clear text</xs:documentation> </xs:annotation> </xs:element>

element **CompanyFileDatasetMessage/PrincipalActivity**

diagram	
type	**FreeText**
properties	isRef 0 content simple
source	<xs:element name="PrincipalActivity" type="FreeText"> <xs:annotation> <xs:documentation>The activity or role of the company - ie IM, RU, etc</xs:documentation> </xs:annotation> </xs:element>

element **CompanyFileDatasetMessage/CompanyAbbreviation**

diagram	
type	**FreeText**
properties	isRef 0 minOcc 0 maxOcc 1 content simple
source	<xs:element name="CompanyAbbreviation" type="FreeText" minOccurs="0"> <xs:annotation> <xs:documentation>Abbreviated Company identifier in clear text, ie. SNCB</xs:documentation> </xs:annotation> </xs:element>

element **CompanyFileDatasetMessage/URL**

diagram	
type	**FreeText**
properties	isRef 0 minOcc 0 maxOcc unbounded

	content simple
source	<xs:element name="URL" type="FreeText" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Website address</xs:documentation> </xs:annotation> </xs:element>

element **COMPLEX_TYPES_COMPLEX_TYPES_COMPLEX_TYPES_COMPLEX_TYPES_COMPLEX_TYPES**

diagram	
source	<xs:element name="COMPLEX_TYPES_COMPLEX_TYPES_COMPLEX_TYPES_COMPLEX_TYPES_COMPLEX_TYPES"> <xs:annotation> <xs:documentation># #</xs:documentation> </xs:annotation> </xs:element>

element **ControlContactIdent**

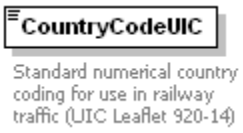
diagram	
type	**CommunicationRefID**
properties	content simple
used by	element **TrainReadyMessage**
source	<xs:element name="ControlContactIdent" type="CommunicationRefID"> <xs:annotation> <xs:documentation>The Control contact identity for all ship to shore communications</xs:documentation> </xs:annotation> </xs:element>

element **CountryCodeISO**

diagram	
type	extension of **CountryIdentISO**

properties	content complex
used by	elements **AddressInformation** **CompanyFileDataset** **CompanyFileDatasetMessage**
source	<xs:element name="CountryCodeISO"> <xs:annotation> <xs:documentation>Identifies a County or State by code (ISO 3166-1)</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="CountryIdentISO"/> </xs:simpleContent> </xs:complexType> </xs:element>

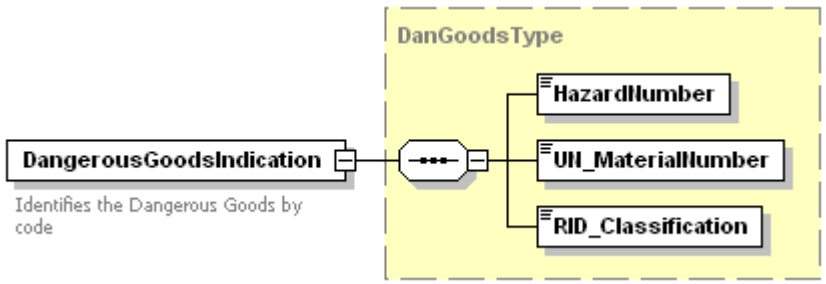
element **CountryCodeUIC**

diagram	
type	**Numeric2-2**
properties	content simple
used by	complexType **LocationIdent**
source	<xs:element name="CountryCodeUIC" type="Numeric2-2"> <xs:annotation> <xs:documentation>Standard numerical country coding for use in railway traffic (UIC Leaflet 920-14)</xs:documentation> </xs:annotation> </xs:element>

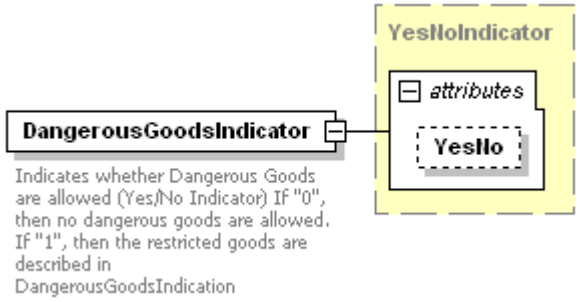
element **CreateDateTime**

diagram	
type	**DateTime**
properties	content simple
source	<xs:element name="CreateDateTime" type="DateTime"> <xs:annotation> <xs:documentation>Date and Time of creation of data </xs:documentation> </xs:annotation> </xs:element>

element **DangerousGoodsIndication**

diagram	
type	**DanGoodsType**
properties	content complex
children	**HazardNumber** **UN_MaterialNumber** **RID_Classification**
used by	element **TrainRunningData**
source	<xs:element name="DangerousGoodsIndication" type="DanGoodsType"> <xs:annotation> <xs:documentation>Identifies the Dangerous Goods by code</xs:documentation> </xs:annotation> </xs:element>

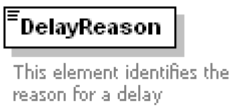
element **DangerousGoodsIndicator**

diagram	
type	**YesNoIndicator**
properties	content complex
source	<xs:element name="DangerousGoodsIndicator" type="YesNoIndicator"> <xs:annotation> <xs:documentation>Indicates whether Dangerous Goods are allowed (Yes/No Indicator) If "0", then no dangerous goods are allowed. If "1", then the restricted goods are described in DangerousGoodsIndication</xs:documentation> </xs:annotation> </xs:element>

element **DATABASES_DATABASES_DATABASES_DATABASES_DATABASES**

diagram	
source	<xs:element name="DATABASES_DATABASES_DATABASES_DATABASES_DATABASES"> <xs:annotation> <xs:documentation># #</xs:documentation> </xs:annotation> </xs:element>

element **DelayReason**

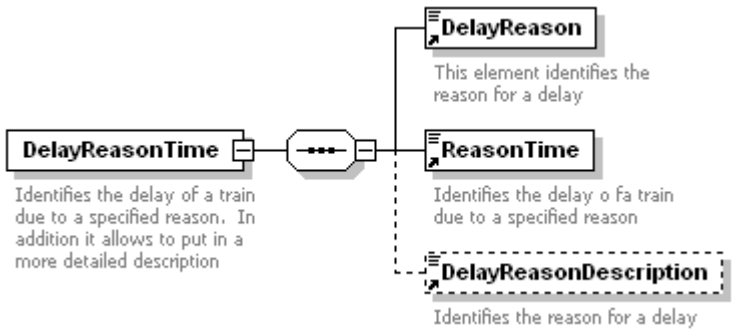
diagram	
type	**DelayCode**
properties	content simple
used by	element **DelayReasonTime**
facets	enumeration 11 enumeration 10 enumeration 12 enumeration 13 enumeration 14 enumeration 15 enumeration 16 enumeration 17 enumeration 18 enumeration 19 enumeration 20 enumeration 21 enumeration 22 enumeration 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

	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
source	<xs:element name="DelayReason" type="DelayCode"> <xs:annotation> <xs:documentation>This element identifies the reason for a delay</xs:documentation> </xs:annotation> </xs:element>

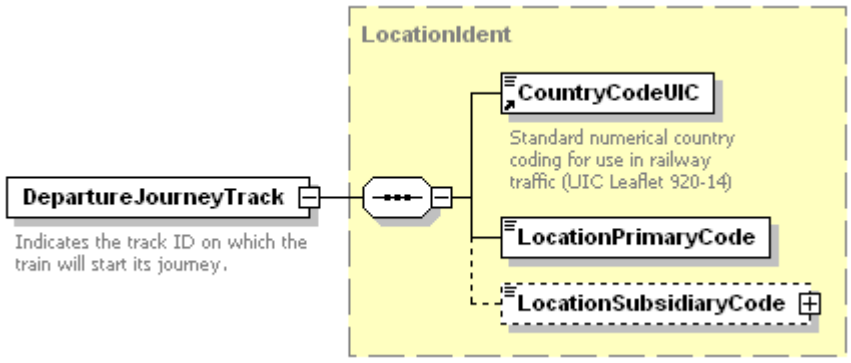
element **DelayReasonDescription**

diagram	
type	**FreeText**
properties	content simple
used by	element **DelayReasonTime**
source	<xs:element name="DelayReasonDescription" type="FreeText"> <xs:annotation> <xs:documentation>Identifies the reason for a delay</xs:documentation> </xs:annotation> </xs:element>

element **DelayReasonTime**

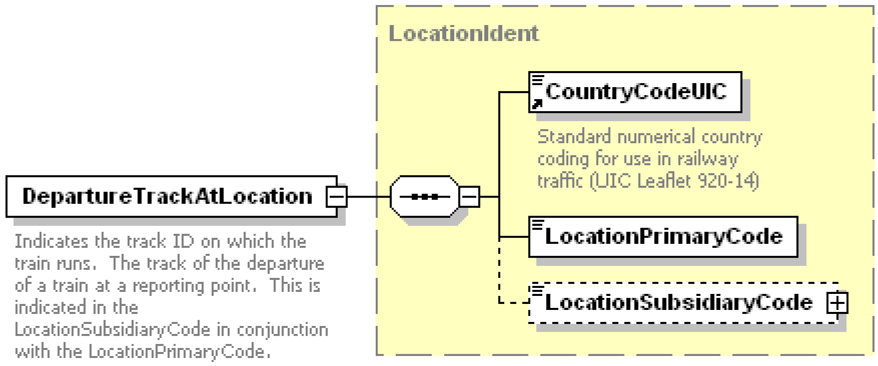
diagram	
properties	content complex
children	DelayReason ReasonTime DelayReasonDescription
used by	element TrainLocationReport
source	<xs:element name="DelayReasonTime"> <xs:annotation> <xs:documentation>Identifies the delay of a train due to a specified reason. In addition it allows to put in a more detailed description</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="DelayReason"/> <xs:element ref="ReasonTime"/> <xs:element ref="DelayReasonDescription" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **DepartureJourneyTrack**

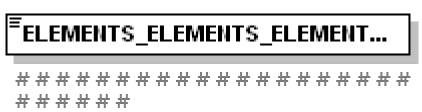
diagram	
type	LocationIdent
properties	content complex
children	CountryCodeUIC LocationPrimaryCode LocationSubsidiaryCode
source	<xs:element name="DepartureJourneyTrack" type="LocationIdent">

	<xs:annotation> <xs:documentation>Indicates the track ID on which the train will start its journey.</xs:documentation> </xs:annotation> </xs:element>

element **DepartureTrackAtLocation**

diagram	
type	LocationIdent
properties	content complex
children	CountryCodeUIC LocationPrimaryCode LocationSubsidiaryCode
used by	element LocationTrack
source	<xs:element name="DepartureTrackAtLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>Indicates the track ID on which the train runs. The track of the departure of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode.</xs:documentation> </xs:annotation> </xs:element>

element **ELEMENTS_ELEMENTS_ELEMENTS_ELEMENTS_ELEMENTS_ELEMENTS**

diagram	
source	<xs:element name="ELEMENTS_ELEMENTS_ELEMENTS_ELEMENTS_ELEMENTS_ELEMENTS"> <xs:annotation> <xs:documentation># #</xs:documentation> </xs:annotation> </xs:element>

element **eMail**

diagram	
type	**CommunicationRefID**
properties	content simple
used by	element **AdministrativeContactInformation**
source	<xs:element name="eMail" type="CommunicationRefID"> <xs:annotation> <xs:documentation>Generic eMail address in Free text</xs:documentation> </xs:annotation> </xs:element>

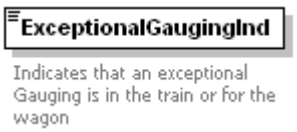
element **EndDateTime**

diagram	
type	**DateTime**
properties	content simple
used by	elements **RequestedPeriod ValidityPeriod LocationFileDataset/ValidityPeriod LocationFileDatasetMessage/ValidityPeriod**
source	<xs:element name="EndDateTime" type="DateTime"> <xs:annotation> <xs:documentation>The end date/time in effect</xs:documentation> </xs:annotation> </xs:element>

element **EstimatedEndDateTime**

diagram	
type	**DateTime**
properties	content simple
source	<xs:element name="EstimatedEndDateTime" type="DateTime"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> </xs:element>

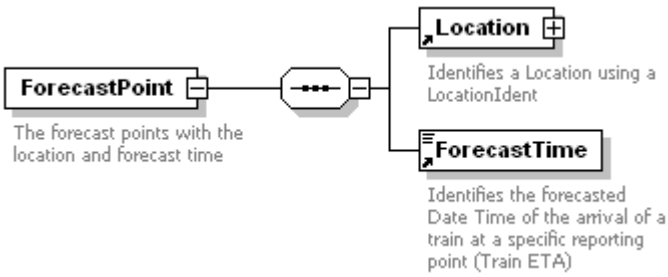
element **ExceptionalGaugingInd**

diagram	
type	InfoIndex
properties	content simple
used by	element TrainRunningData
facets	enumeration 10 enumeration 20 enumeration 30
source	<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 **FaxNumber**

diagram	
type	CommunicationRefID
properties	content simple
used by	element AdministrativeContactInformation
source	<xs:element name="FaxNumber" type="CommunicationRefID"> <xs:annotation> <xs:documentation>Generic Fax number in Free text</xs:documentation> </xs:annotation> </xs:element>

element **ForecastPoint**

diagram	
properties	content complex

children	**Location** **ForecastTime**
used by	element **TrainRunningForecastMessage**
source	<xs:element name="ForecastPoint"> <xs:annotation> <xs:documentation>The forecast points with the location and forecast time</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="ForecastTime"/> </xs:sequence> </xs:complexType> </xs:element>

element **ForecastTime**

diagram	
type	**DateTime**
properties	content simple
used by	element **ForecastPoint**
source	<xs:element name="ForecastTime" type="DateTime"> <xs:annotation> <xs:documentation>Identifies the forecasted Date Time of the arrival of a train at a specific reporting point (Train ETA)</xs:documentation> </xs:annotation> </xs:element>

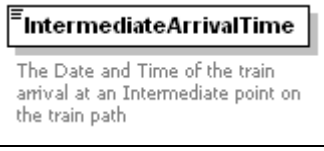
element **FreeTextField**

diagram	
type	**FreeText**
properties	content simple
used by	elements **AdministrativeContactInformation** **CompanyFileDataset** **CompanyFileDatasetMessage** **PathRequestMessage**
source	<xs:element name="FreeTextField" type="FreeText"> <xs:annotation> <xs:documentation>Free Text</xs:documentation> </xs:annotation> </xs:element>

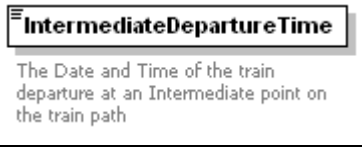
element **GeographicalCoordinates**

diagram	
type	**xs:string**
properties	content simple
used by	elements **LocationFileDataset** **LocationFileDatasetMessage** **LocationFileDataset/LocationSubsidiaryInformation** **LocationFileDatasetMessage/LocationSubsidiaryInformation**
source	<xs:element name="GeographicalCoordinates" type="xs:string"> <xs:annotation> <xs:documentation>[TAP MOD] Longitude and latitude as defined in UIC Leafle 920-2</xs:documentation> </xs:annotation> </xs:element>

element **IntermediateArrivalTime**

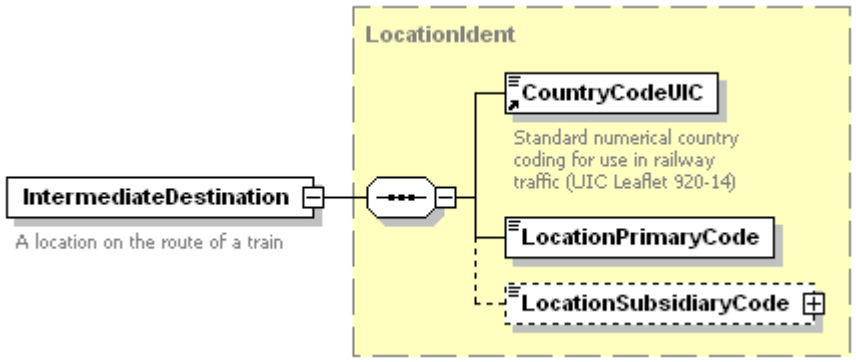
diagram	
type	**DateTime**
properties	content simple
used by	element **JourneySection**
source	<xs:element name="IntermediateArrivalTime" type="DateTime"> <xs:annotation> <xs:documentation>The Date and Time of the train arrival at an Intermediate point on the train path</xs:documentation> </xs:annotation> </xs:element>

element **IntermediateDepartureTime**

diagram	
type	**DateTime**
properties	content simple
used by	element **JourneySection**

source	<xs:element name="IntermediateDepartureTime" type="DateTime"> <xs:annotation> <xs:documentation>The Date and Time of the train departure at an Intermediate point on the train path</xs:documentation> </xs:annotation> </xs:element>

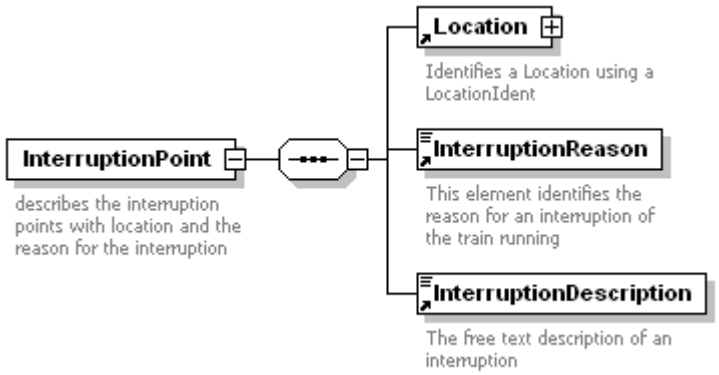
element **IntermediateDestination**

diagram	
type	**LocationIdent**
properties	content complex
children	**CountryCodeUIC** **LocationPrimaryCode** **LocationSubsidiaryCode**
used by	element **JourneySection**
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 **InterruptionDescription**

diagram	
type	**FreeText**
properties	content simple
used by	element **InterruptionPoint**
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 **InterruptionPoint**

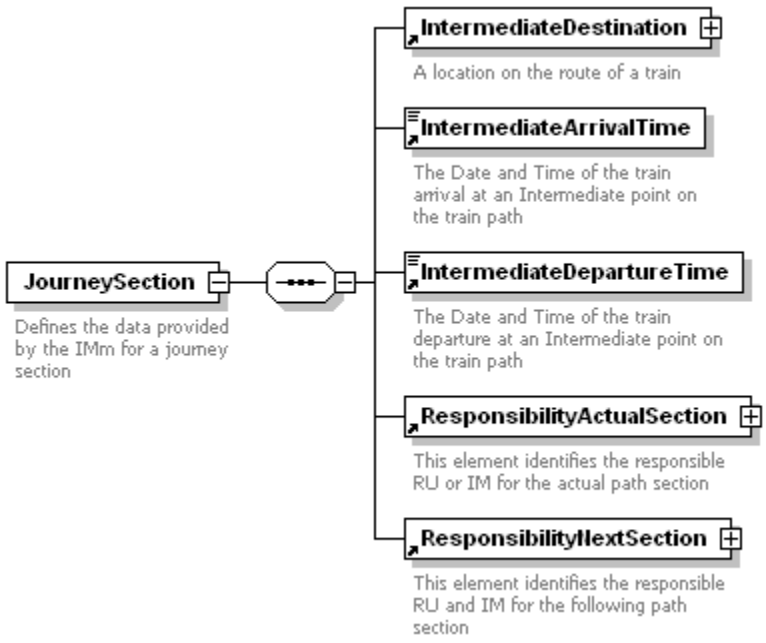
diagram	
properties	content complex
children	**Location** **InterruptionReason** **InterruptionDescription**
used by	element **TrainRunningInterruptionMessage**
source	<xs:element name="InterruptionPoint"> <xs:annotation> <xs:documentation>describes the interruption points with location and the reason for the interruption</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="InterruptionReason"/> <xs:element ref="InterruptionDescription"/> </xs:sequence> </xs:complexType> </xs:element>

element **InterruptionReason**

diagram	
type	**DelayCode**
properties	content simple
used by	element **InterruptionPoint**
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 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
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 **JourneySection**

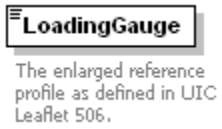
diagram	
properties	content complex
children	**IntermediateDestination** **IntermediateArrivalTime** **IntermediateDepartureTime** **ResponsibilityActualSection** **ResponsibilityNextSection**
used by	elements **AcceptedJourneySection** **RequestedJourneySection**
source	<xs:element name="JourneySection"> <xs:annotation> <xs:documentation>Defines the data provided by the IMm for a journey section</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="IntermediateDestination"/> <xs:element ref="IntermediateArrivalTime"/> <xs:element ref="IntermediateDepartureTime"/> <xs:element ref="ResponsibilityActualSection"/> <xs:element ref="ResponsibilityNextSection"/> </xs:sequence> </xs:complexType> </xs:element>

element **LastModifiedDateTime**

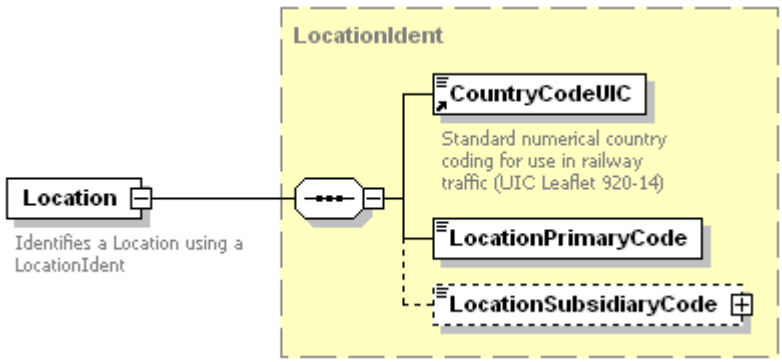
diagram	
type	**DateTime**

properties	content simple
used by	elements **LocationFileDataset** **LocationFileDatasetMessage** **LocationFileDataset/LocationSubsidiaryInformation** **LocationFileDatasetMessage/LocationSubsidiaryInformation**
source	<xs:element name="LastModifiedDateTime" type="DateTime"> <xs:annotation> <xs:documentation>Date and Time of last update or modification of data</xs:documentation> </xs:annotation> </xs:element>

element **LoadingGauge**

diagram	
type	restriction of **IdentCode**
properties	content simple
facets	enumeration GA enumeration GB enumeration GB1 enumeration GC enumeration G
source	<xs:element name="LoadingGauge"> <xs:annotation> <xs:documentation>The enlarged reference profile as defined in UIC Leaflet 506.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="IdentCode"> <xs:enumeration value="GA"/> <xs:enumeration value="GB"/> <xs:enumeration value="GB1"/> <xs:enumeration value="GC"/> <xs:enumeration value="G"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Location**

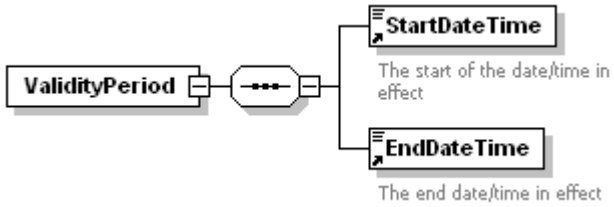
diagram	
type	**LocationIdent**
properties	content complex
children	**CountryCodeUIC** **LocationPrimaryCode** **LocationSubsidiaryCode**
used by	elements **ForecastPoint** **InterruptionPoint** **LocationFileDataset** **LocationFileDatasetMessage** **TrainAtLocation** **TrainLocationReport**
source	<xs:element name="Location" type="LocationIdent"> <xs:annotation> <xs:documentation>Identifies a Location using a LocationIdent</xs:documentation> </xs:annotation> </xs:element>

element **LocationFileDataset**

diagram	
properties	content complex
children	Location PrimaryLocationName ResponsibleIM ValidityPeriod LastModifiedDateTime GeographicalCoordinates LocationSubsidiaryInformation
source	<xs:element name="LocationFileDataset"> <xs:annotation> <xs:documentation>Data fields for the LocationIdent Reference File </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="PrimaryLocationName"/> <xs:element ref="ResponsibleIM"/> <xs:element name="ValidityPeriod"> <xs:complexType> <xs:sequence> <xs:element ref="StartDateTime"/> <xs:element ref="EndDateTime"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="LastModifiedDateTime"/> <xs:element ref="GeographicalCoordinates"/> <xs:element name="LocationSubsidiaryInformation" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element ref="LocationSubsidiaryCode"/>

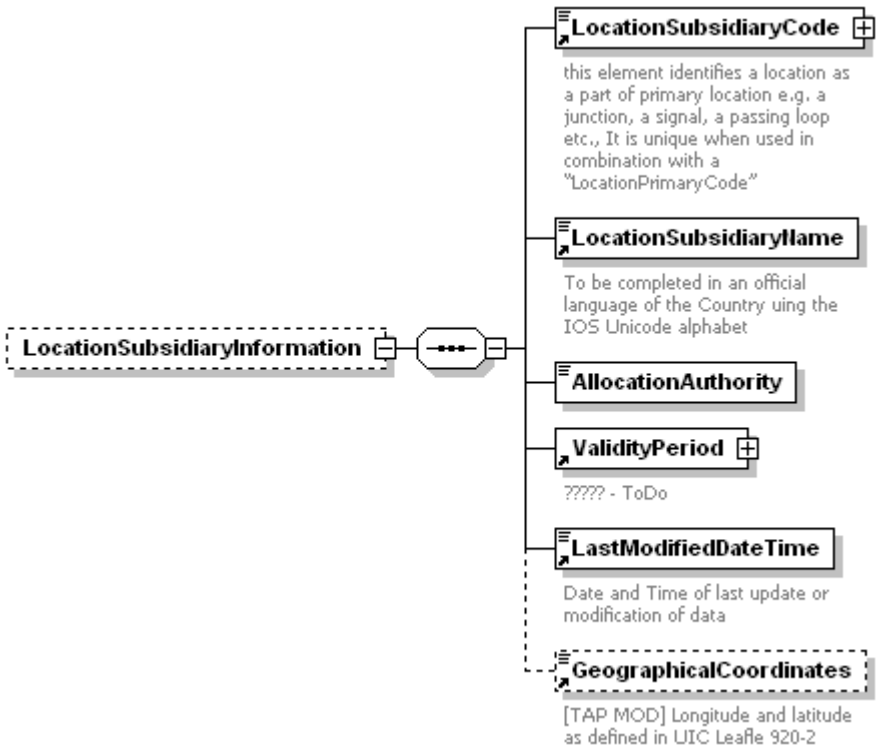
```
        <xs:element ref="LocationSubsidiaryName"/>
        <xs:element name="AllocationAuthority" type="CompanyCode"/>
        <xs:element ref="ValidityPeriod"/>
        <xs:element ref="LastModifiedDateTime"/>
        <xs:element ref="GeographicalCoordinates" minOccurs="0"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
 </xs:sequence>
</xs:complexType>
</xs:element>
```

element **LocationFileDataset/ValidityPeriod**

diagram	
properties	isRef 0 content complex
children	**StartDateTime** **EndDateTime**
used by	elements **CompanyFileDataset** **CompanyFileDatasetMessage** **LocationFileDataset/LocationSubsidiaryInformation** **LocationFileDatasetMessage/LocationSubsidiaryInformation**

source	`<xs:element name="ValidityPeriod">`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element ref="StartDateTime"/>`
	`<xs:element ref="EndDateTime"/>`
	`</xs:sequence>`
	`</xs:complexType>`
	`</xs:element>`

element **LocationFileDataset/LocationSubsidiaryInformation**

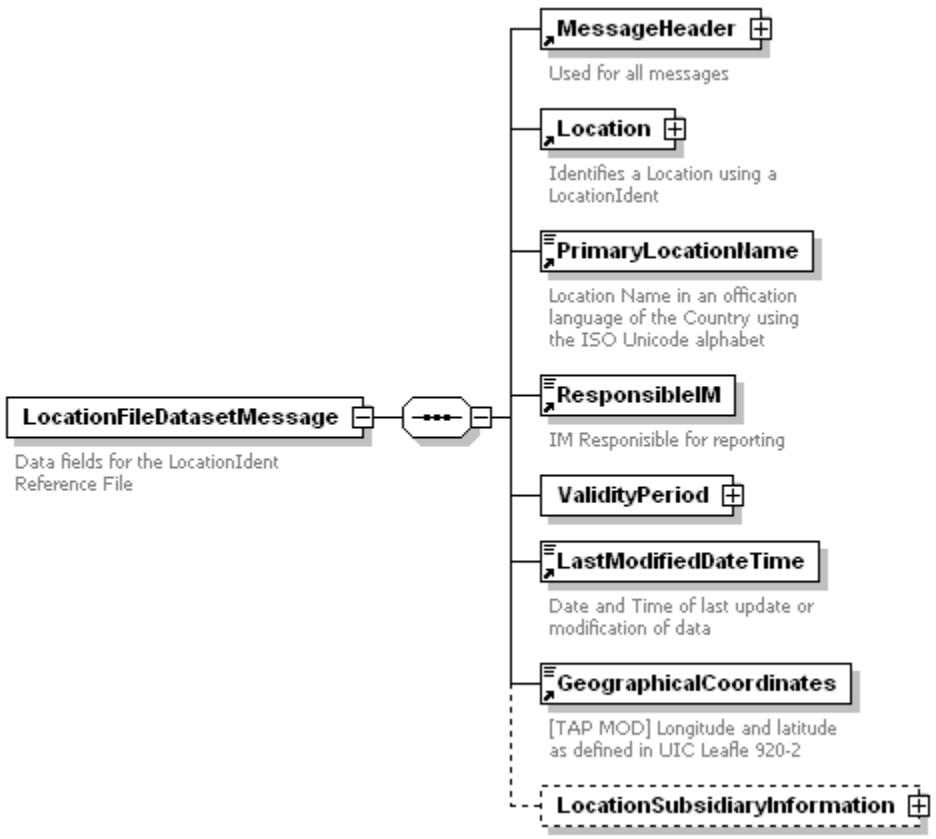
diagram	
properties	isRef 0 minOcc 0 maxOcc 1 content complex
children	**LocationSubsidiaryCode** **LocationSubsidiaryName** **AllocationAuthority** **ValidityPeriod** **LastModifiedDateTime** **GeographicalCoordinates**
source	<xs:element name="LocationSubsidiaryInformation" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element ref="LocationSubsidiaryCode"/> <xs:element ref="LocationSubsidiaryName"/> <xs:element name="AllocationAuthority" type="CompanyCode"/> <xs:element ref="ValidityPeriod"/> <xs:element ref="LastModifiedDateTime"/> <xs:element ref="GeographicalCoordinates" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **LocationFileDataset/LocationSubsidiaryInformation/AllocationAuthority**

diagram	
type	**CompanyCode**

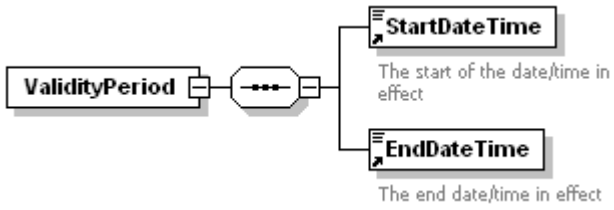
properties	isRef 0 content simple
source	<xs:element name="AllocationAuthority" type="CompanyCode"/>

element **LocationFileDatasetMessage**

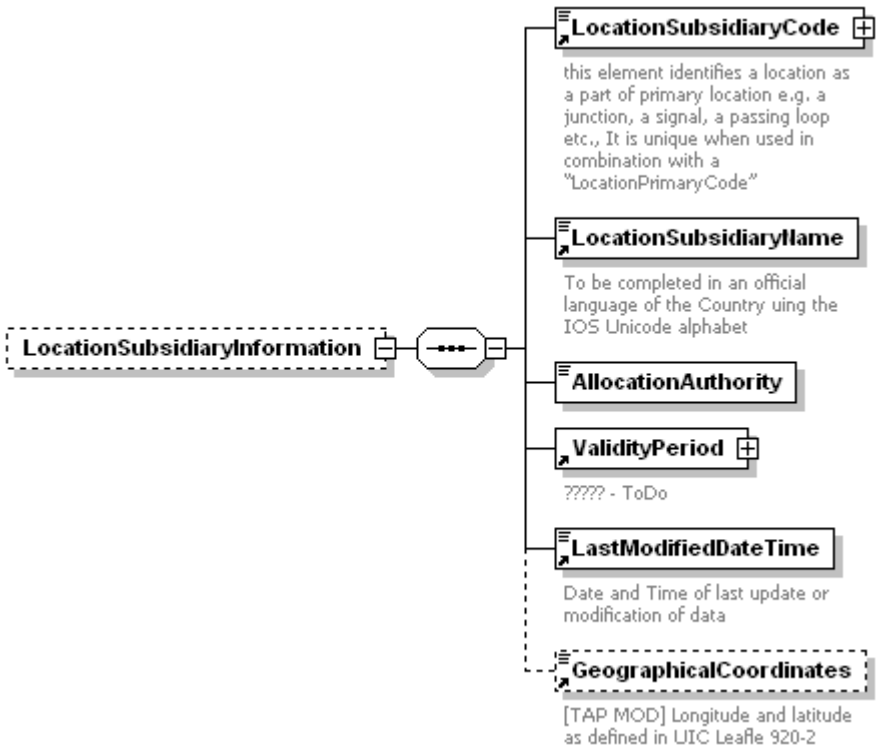
diagram	
properties	content complex
children	MessageHeader Location PrimaryLocationName ResponsibleIM ValidityPeriod LastModifiedDateTime GeographicalCoordinates LocationSubsidiaryInformation
source	<xs:element name="LocationFileDatasetMessage"> <xs:annotation> <xs:documentation>Data fields for the LocationIdent Reference File </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="Location"/> <xs:element ref="PrimaryLocationName"/> <xs:element ref="ResponsibleIM"/> <xs:element name="ValidityPeriod"> <xs:complexType> <xs:sequence> <xs:element ref="StartDateTime"/>

```
          <xs:element ref="EndDateTime"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element ref="LastModifiedDateTime"/>
    <xs:element ref="GeographicalCoordinates"/>
    <xs:element name="LocationSubsidiaryInformation" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element ref="LocationSubsidiaryCode"/>
          <xs:element ref="LocationSubsidiaryName"/>
          <xs:element name="AllocationAuthority" type="CompanyCode"/>
          <xs:element ref="ValidityPeriod"/>
          <xs:element ref="LastModifiedDateTime"/>
          <xs:element ref="GeographicalCoordinates" minOccurs="0"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

element **LocationFileDatasetMessage/ValidityPeriod**

diagram	
properties	isRef 0 content complex
children	**StartDateTime** **EndDateTime**
used by	elements **CompanyFileDataset** **CompanyFileDatasetMessage** **LocationFileDataset/LocationSubsidiaryInformation** **LocationFileDatasetMessage/LocationSubsidiaryInformation**
source	<xs:element name="ValidityPeriod"> <xs:complexType> <xs:sequence> <xs:element ref="StartDateTime"/> <xs:element ref="EndDateTime"/> </xs:sequence> </xs:complexType> </xs:element>

element **LocationFileDatasetMessage/LocationSubsidiaryInformation**

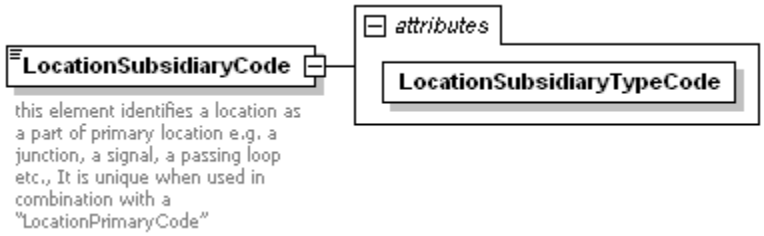
diagram	
properties	isRef 0 minOcc 0 maxOcc 1 content complex
children	**LocationSubsidiaryCode** **LocationSubsidiaryName** **AllocationAuthority** **ValidityPeriod** **LastModifiedDateTime** **GeographicalCoordinates**
source	<xs:element name="LocationSubsidiaryInformation" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element ref="LocationSubsidiaryCode"/> <xs:element ref="LocationSubsidiaryName"/> <xs:element name="AllocationAuthority" type="CompanyCode"/> <xs:element ref="ValidityPeriod"/> <xs:element ref="LastModifiedDateTime"/> <xs:element ref="GeographicalCoordinates" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **LocationFileDatasetMessage/LocationSubsidiaryInformation/AllocationAuthority**

diagram	
type	**CompanyCode**

properties	isRef 0 content simple
source	<xs:element name="AllocationAuthority" type="CompanyCode"/>

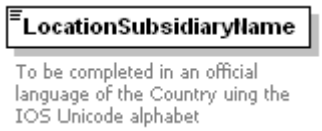
element **LocationSubsidiaryCode**

diagram	
type	extension of **String1-7**
properties	content complex
used by	elements **LocationFileDataset/LocationSubsidiaryInformation** **LocationFileDatasetMessage/LocationSubsidiaryInformation**
source	<xs:element name="LocationSubsidiaryCode"> <xs:annotation> <xs:documentation>this element identifies a location as a part of primary location e.g. a junction, a signal, a passing loop etc., It is unique when used in combination with a “LocationPrimaryCode”</xs:documentation> </xs:annotation> <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>

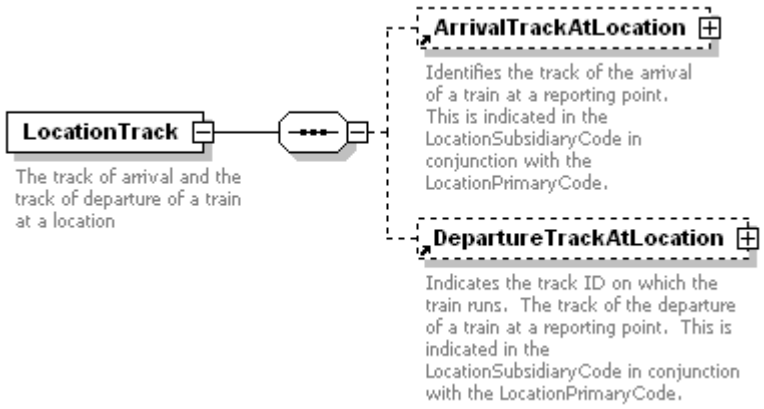
attribute **LocationSubsidiaryCode/@LocationSubsidiaryTypeCode**

type	restriction of **IdentCode**
properties	isRef 0 use required
facets	enumeration 00 enumeration 01 enumeration 02 enumeration 03 enumeration 04 enumeration 05 enumeration 06 enumeration 07 enumeration 08 enumeration 09 enumeration
source	<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>

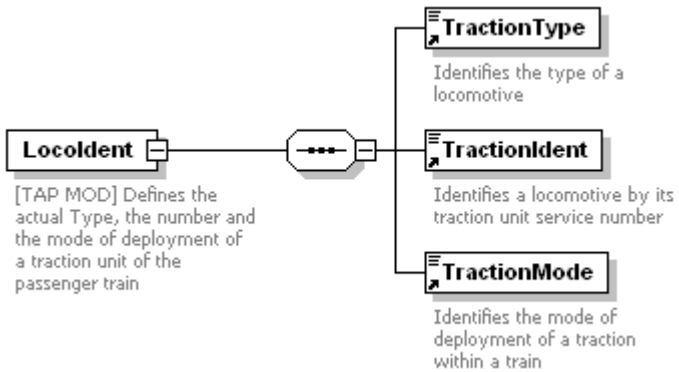
element **LocationSubsidiaryName**

diagram	
type	**FreeText**
properties	content simple
used by	elements **LocationFileDataset/LocationSubsidiaryInformation** **LocationFileDatasetMessage/LocationSubsidiaryInformation**
source	<xs:element name="LocationSubsidiaryName" type="FreeText"> <xs:annotation> <xs:documentation>To be completed in an official language of the Country uing the IOS Unicode alphabet</xs:documentation> </xs:annotation> </xs:element>

element **LocationTrack**

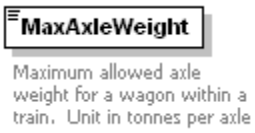
diagram	
properties	content complex
children	**ArrivalTrackAtLocation** **DepartureTrackAtLocation**
used by	element **TrainLocationReport**
source	<xs:element name="LocationTrack"> <xs:annotation> <xs:documentation>The track of arrival and the track of departure of a train at a location</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="ArrivalTrackAtLocation" minOccurs="0"/> <xs:element ref="DepartureTrackAtLocation" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **LocoIdent**

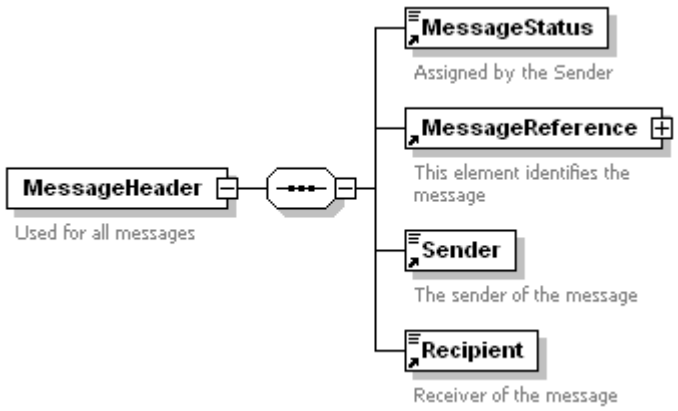
diagram	
properties	content complex
children	**TractionType** **TractionIdent** **TractionMode**
used by	element **TrainRunningTechData**

source	<xs:element name="LocoIdent"> <xs:annotation> <xs:documentation>[TAP MOD] Defines the actual Type, the number and the mode of deployment of a traction unit of the passenger train</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TractionType"/> <xs:element ref="TractionIdent"/> <xs:element ref="TractionMode"/> </xs:sequence> </xs:complexType> </xs:element>

element **MaxAxleWeight**

diagram	
type	restriction of **xs:int**
properties	content simple
used by	element **TrainRunningTechData**
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>

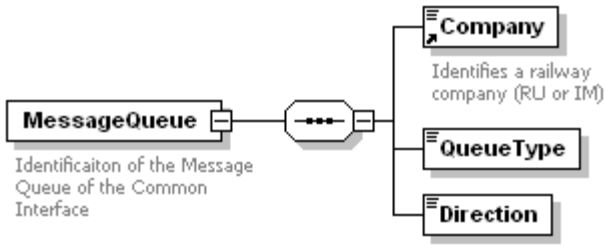
element **MessageHeader**

diagram	
properties	content complex
children	MessageStatus MessageReference Sender Recipient
used by	elements CompanyFileDataset CompanyFileDatasetMessage LocationFileDatasetMessage PathCancelledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage ReceiptConfirmationMessage TrainReadyMessage TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage
source	<xs:element name="MessageHeader"> <xs:annotation> <xs:documentation>Used for all messages</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageStatus"/> <xs:element ref="MessageReference"/> <xs:element ref="Sender"/> <xs:element ref="Recipient"/> </xs:sequence> </xs:complexType> </xs:element>

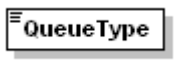
element **MessageIdent**

diagram	
type	Numeric1-6
properties	content simple
source	<xs:element name="MessageIdent" type="Numeric1-6"> <xs:annotation> <xs:documentation>Number generated by the sender of the message</xs:documentation> </xs:annotation> </xs:element>

element **MessageQueue**

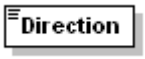
diagram	
properties	content complex
children	**Company** **QueueType** **Direction**
used by	elements **CompanyFileDataset** **CompanyFileDatasetMessage**
source	<xs:element name="MessageQueue"> <xs:annotation> <xs:documentation>Identificaiton of the Message Queue of the Common Interface</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Company"/> <xs:element name="QueueType"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> <xs:maxInclusive value="5"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Direction"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="I"/> <xs:enumeration value="O"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element>

element **MessageQueue/QueueType**

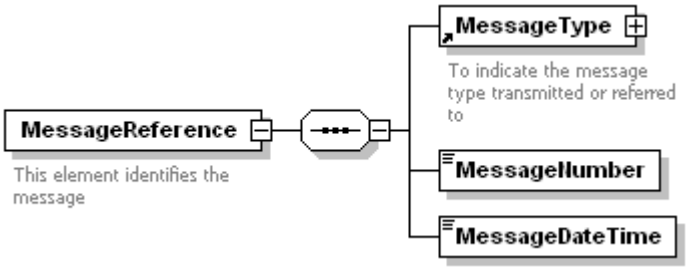
diagram	
type	restriction of **xs:integer**
properties	isRef 0 content simple

source	<xs:element name="QueueType"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> <xs:maxInclusive value="5"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MessageQueue/Direction**

diagram	
type	restriction of **xs:string**
properties	isRef 0 content simple
facets	enumeration I enumeration O
source	<xs:element name="Direction"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="I"/> <xs:enumeration value="O"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MessageReference**

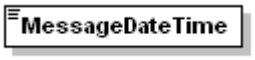
diagram	
properties	content complex
children	**MessageType** **MessageNumber** **MessageDateTime**
used by	elements **MessageHeader** **TrainReadyMessage**
source	<xs:element name="MessageReference"> <xs:annotation> <xs:documentation>This element identifies the message</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence>

```
      <xs:element ref="MessageType"/>
      <xs:element name="MessageNumber" type="Numeric1-6"/>
      <xs:element name="MessageDateTime" type="DateTime"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **MessageReference/MessageNumber**

diagram	
type	**Numeric1-6**
properties	isRef 0 content simple
source	<xs:element name="MessageNumber" type="Numeric1-6"/>

element **MessageReference/MessageDateTime**

diagram	
type	**DateTime**
properties	isRef 0 content simple
source	<xs:element name="MessageDateTime" type="DateTime"/>

element **MESSAGES_MESSAGES_MESSAGES_MESSAGES_MESSAGES_MESSAGES**

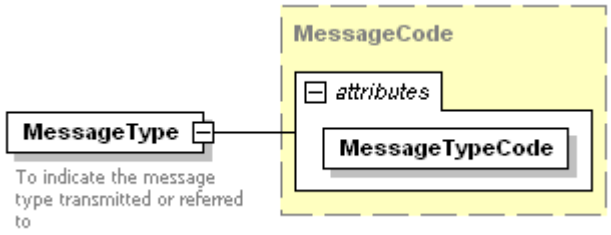
diagram	
source	<xs:element name="MESSAGES_MESSAGES_MESSAGES_MESSAGES_MESSAGES_MESSAGES"> <xs:annotation> <xs:documentation># #</xs:documentation> </xs:annotation> </xs:element>

element **MessageStatus**

diagram	
type	restriction of **IdentCode**

properties	content simple
used by	element **MessageHeader**
facets	enumeration 1 enumeration 2 enumeration 3
source	<xs:element name="MessageStatus"> <xs:annotation> <xs:documentation>Assigned by the Sender </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="IdentCode"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> </xs:restriction> </xs:simpleType> </xs:element>

element **MessageType**

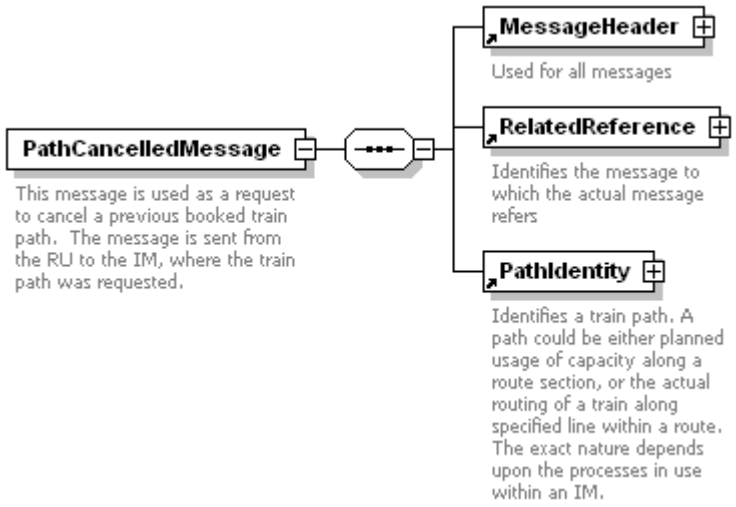
diagram	
type	**MessageCode**
properties	content complex
used by	element **MessageReference**
source	<xs:element name="MessageType" type="MessageCode"> <xs:annotation> <xs:documentation>To indicate the message type transmitted or referred to</xs:documentation> </xs:annotation> </xs:element>

element **Name**

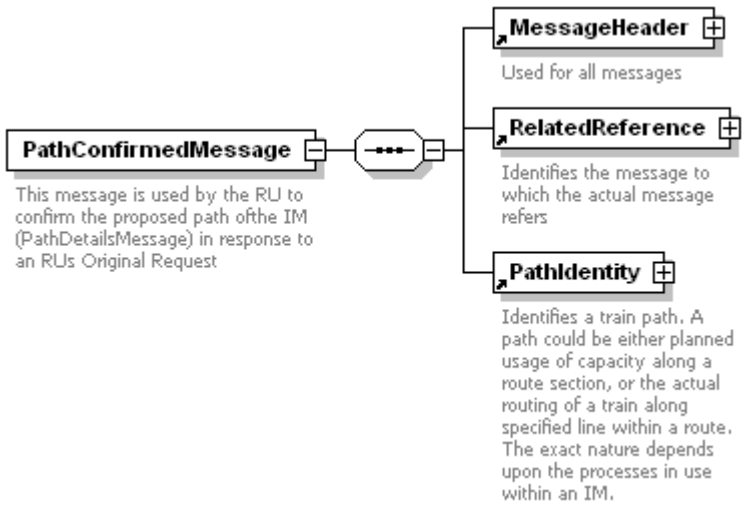
diagram	
type	**FreeText**
properties	content simple
used by	element **AdministrativeContactInformation**

source	<xs:element name="Name" type="FreeText"> <xs:annotation> <xs:documentation>Generic Name in Free Text</xs:documentation> </xs:annotation> </xs:element>

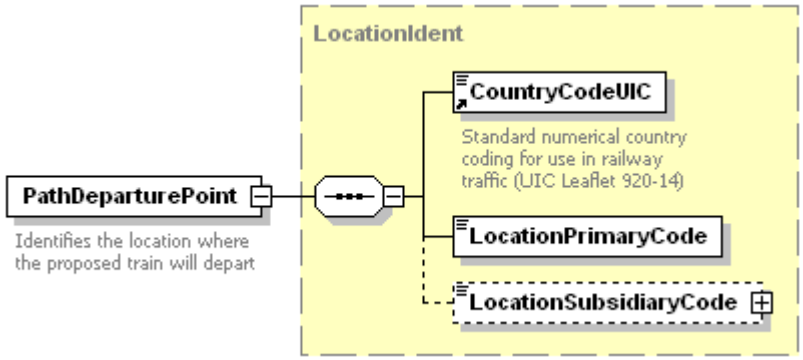
element **PathCancelledMessage**

diagram	
properties	content complex
children	**MessageHeader** **RelatedReference** **PathIdentity**
source	<xs:element name="PathCancelledMessage"> <xs:annotation> <xs:documentation>This message is used as a request to cancel a previous booked train path. The message is sent from the RU to the IM, where the train path was requested.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="RelatedReference"/> <xs:element ref="PathIdentity"/> </xs:sequence> </xs:complexType> </xs:element>

element **PathConfirmedMessage**

diagram	
properties	content complex
children	**MessageHeader** **RelatedReference** **PathIdentity**
source	<xs:element name="PathConfirmedMessage"> <xs:annotation> <xs:documentation>This message is used by the RU to confirm the proposed path ofthe IM (PathDetailsMessage) in response to an RUs Original Request</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="RelatedReference"/> <xs:element ref="PathIdentity"/> </xs:sequence> </xs:complexType> </xs:element>

element **PathDeparturePoint**

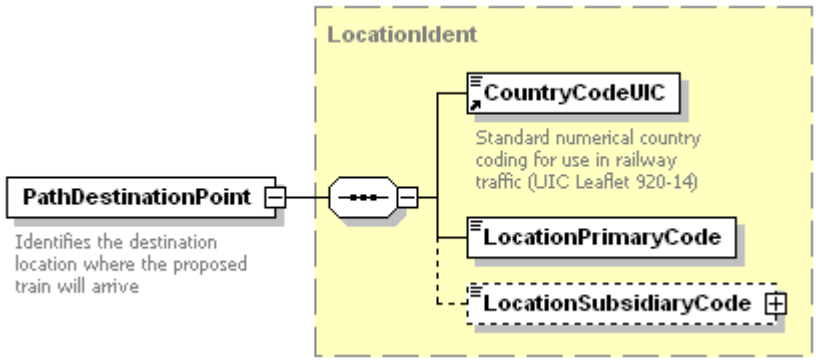
diagram	
type	**LocationIdent**

properties	content complex
children	**CountryCodeUIC** **LocationPrimaryCode** **LocationSubsidiaryCode**
used by	element **PathIdentity**
source	<xs:element name="PathDeparturePoint" type="LocationIdent"> <xs:annotation> <xs:documentation>Identifies the location where the proposed train will depart</xs:documentation> </xs:annotation> </xs:element>

element **PathDepartureTime**

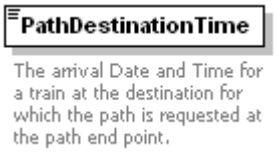
diagram	
type	**DateTime**
properties	content simple
used by	element **PathIdentity**
source	<xs:element name="PathDepartureTime" type="DateTime"> <xs:annotation> <xs:documentation>The departure Date and Time for a train</xs:documentation> </xs:annotation> </xs:element>

element **PathDestinationPoint**

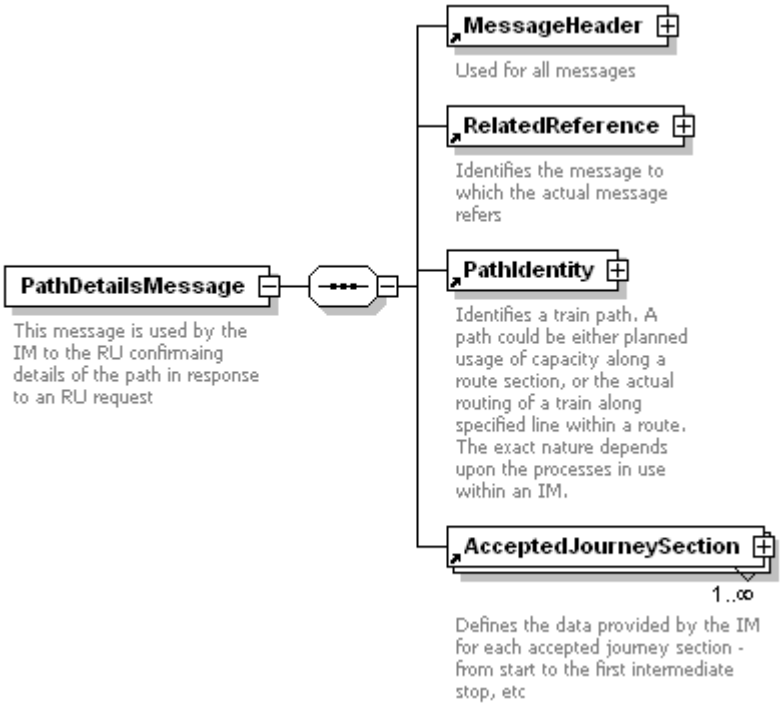
diagram	
type	**LocationIdent**
properties	content complex
children	**CountryCodeUIC** **LocationPrimaryCode** **LocationSubsidiaryCode**
used by	element **PathIdentity**
source	<xs:element name="PathDestinationPoint" type="LocationIdent">

```
  <xs:annotation>
    <xs:documentation>Identifies the destination location where the proposed train will
arrive</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **PathDestinationTime**

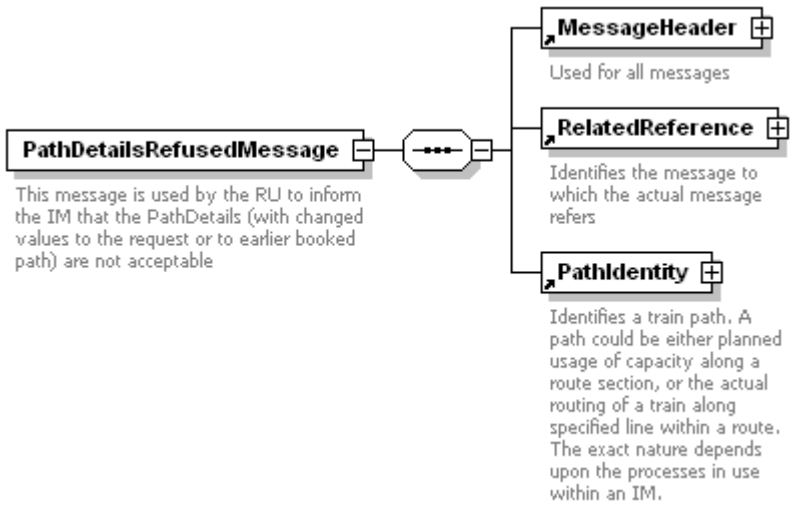
diagram	
type	DateTime
properties	content simple
used by	element PathIdentity
source	<xs:element name="PathDestinationTime" type="DateTime"> <xs:annotation> <xs:documentation>The arrival Date and Time for a train at the destination for which the path is requested at the path end point.</xs:documentation> </xs:annotation> </xs:element>

element **PathDetailsMessage**

diagram	

properties	content complex
children	**MessageHeader** **RelatedReference** **PathIdentity** **AcceptedJourneySection**
source	<xs:element name="PathDetailsMessage"> <xs:annotation> <xs:documentation>This message is used by the IM to the RU confirmaing details of the path in response to an RU request</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="RelatedReference"/> <xs:element ref="PathIdentity"/> <xs:element ref="AcceptedJourneySection" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

element **PathDetailsRefusedMessage**

diagram	
properties	content complex
children	**MessageHeader** **RelatedReference** **PathIdentity**
source	<xs:element name="PathDetailsRefusedMessage"> <xs:annotation> <xs:documentation>This message is used by the RU to inform the IM that the PathDetails (with changed values to the request or to earlier booked path) are not acceptable</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="RelatedReference"/> <xs:element ref="PathIdentity"/> </xs:sequence>

```
  </xs:complexType>
</xs:element>
```

element **PathIdent**

diagram

type restriction of **PathIdent**

properties content simple

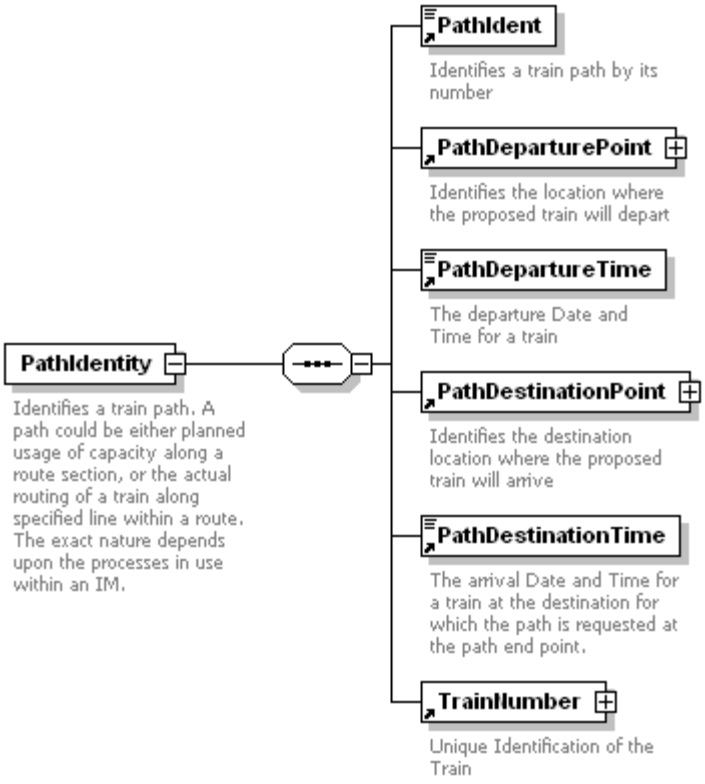
used by element **PathIdentity**

source

```
<xs:element name="PathIdent">
  <xs:annotation>
    <xs:documentation>Identifies a train path by its number</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="PathIdent"/>
  </xs:simpleType>
</xs:element>
```

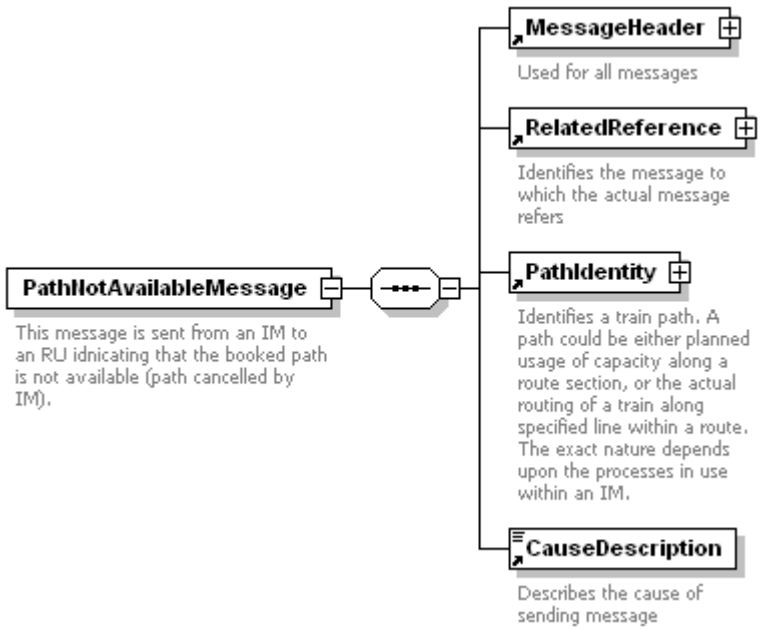
element **PathIdentity**

diagram



properties	content complex
children	PathIdent PathDeparturePoint PathDepartureTime PathDestinationPoint PathDestinationTime TrainNumber
used by	elements PathCancelledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage TrainReadyMessage
source	<xs:element name="PathIdentity"> <xs:annotation> <xs:documentation>Identifies a train path. A path could be either planned usage of capacity along a route section, or the actual routing of a train along specified line within a route. The exact nature depends upon the processes in use within an IM. </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="PathIdent"/> <xs:element ref="PathDeparturePoint"/> <xs:element ref="PathDepartureTime"/> <xs:element ref="PathDestinationPoint"/> <xs:element ref="PathDestinationTime"/> <xs:element ref="TrainNumber"/> </xs:sequence> </xs:complexType> </xs:element>

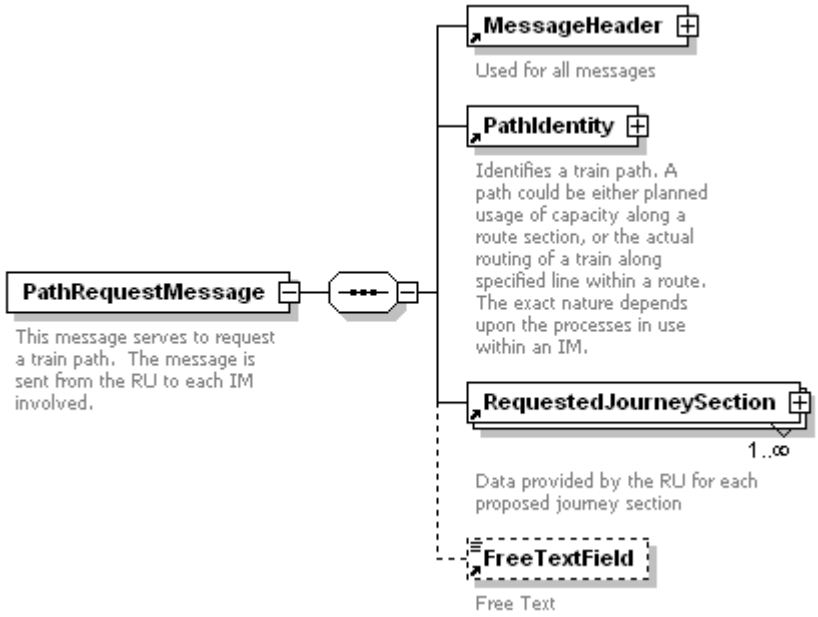
element **PathNotAvailableMessage**

diagram	
properties	content complex
children	MessageHeader RelatedReference PathIdentity CauseDescription
source	<xs:element name="PathNotAvailableMessage"> <xs:annotation> <xs:documentation>This message is sent from an IM to an RU idnicating that the booked path is

```
not available (path cancelled by IM).</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="RelatedReference"/>
      <xs:element ref="PathIdentity"/>
      <xs:element ref="CauseDescription"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PathRequestMessage**

diagram



properties: content complex

children: **MessageHeader** **PathIdentity** **RequestedJourneySection** **FreeTextField**

source

```
<xs:element name="PathRequestMessage">
  <xs:annotation>
    <xs:documentation>This message serves to request a train path.  The message is sent from the
RU to each IM involved.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="PathIdentity"/>
      <xs:element ref="RequestedJourneySection" maxOccurs="unbounded"/>
      <xs:element ref="FreeTextField" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
```

	</xs:element>

element **PhoneNumber**

diagram	
type	**CommunicationRefID**
properties	content simple
used by	element **AdministrativeContactInformation**
source	<xs:element name="PhoneNumber" type="CommunicationRefID"> <xs:annotation> <xs:documentation>Generic Phone number in Free text</xs:documentation> </xs:annotation> </xs:element>

element **PostalCode**

diagram	
type	restriction of **xs:string**
properties	content simple
used by	element **AddressInformation**
source	<xs:element name="PostalCode"> <xs:annotation> <xs:documentation>The postal code for the postal address</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="10"/> </xs:restriction> </xs:simpleType> </xs:element>

element **PrimaryLocationName**

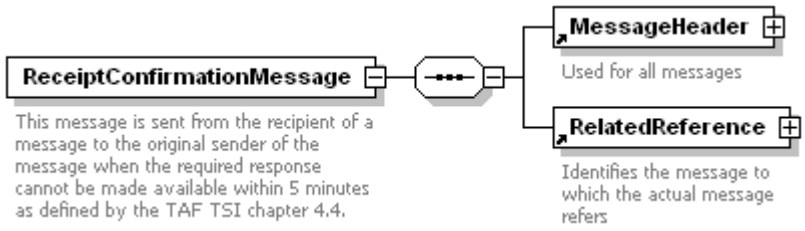
diagram	

type	**FreeText**
properties	content simple
used by	elements **LocationFileDataset** **LocationFileDatasetMessage**
source	<xs:element name="PrimaryLocationName" type="FreeText"> <xs:annotation> <xs:documentation>Location Name in an offication language of the Country using the ISO Unicode alphabet</xs:documentation> </xs:annotation> </xs:element>

element **ReasonTime**

diagram	
type	**DeltaTime**
properties	content simple
used by	element **DelayReasonTime**
source	<xs:element name="ReasonTime" type="DeltaTime"> <xs:annotation> <xs:documentation>Identifies the delay o fa train due to a specified reason</xs:documentation> </xs:annotation> </xs:element>

element **ReceiptConfirmationMessage**

diagram	
properties	content complex
children	**MessageHeader** **RelatedReference**
source	<xs:element name="ReceiptConfirmationMessage"> <xs:annotation> <xs:documentation>This message is sent from the recipient of a message to the original sender of the message when the required response cannot be made available within 5 minutes as defined by the TAF TSI chapter 4.4.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence>

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

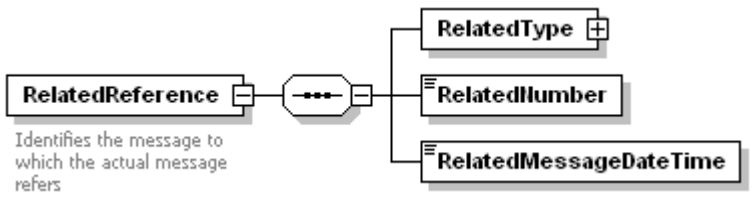
element **Recipient**

diagram	
type	**CompanyCode**
properties	content simple
used by	element **MessageHeader**
source	<xs:element name="Recipient" type="CompanyCode"> <xs:annotation> <xs:documentation>Receiver of the message</xs:documentation> </xs:annotation> </xs:element>

element **RegistrationDate**

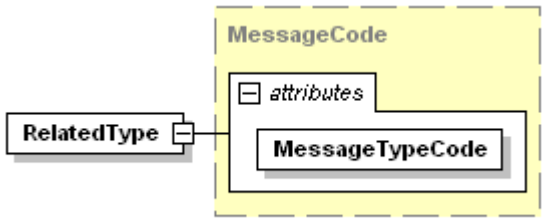
diagram	
type	**xs:date**
properties	content simple
source	<xs:element name="RegistrationDate" type="xs:date"> <xs:annotation> <xs:documentation>Date that the equipment is approved for placing into service)</xs:documentation> </xs:annotation> </xs:element>

element **RelatedReference**

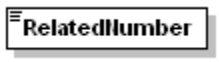
diagram	
properties	content complex

children	RelatedType RelatedNumber RelatedMessageDateTime
used by	elements PathCancelledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage ReceiptConfirmationMessage TrainRunningInformationMessage
source	<xs:element name="RelatedReference"> <xs:annotation> <xs:documentation>Identifies the message to which the actual message refers</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="RelatedType" type="MessageCode"/> <xs:element name="RelatedNumber" type="Numeric1-6"/> <xs:element name="RelatedMessageDateTime" type="DateTime"/> </xs:sequence> </xs:complexType> </xs:element>

element **RelatedReference/RelatedType**

diagram	
type	MessageCode
properties	isRef 0 content complex
source	<xs:element name="RelatedType" type="MessageCode"/>

element **RelatedReference/RelatedNumber**

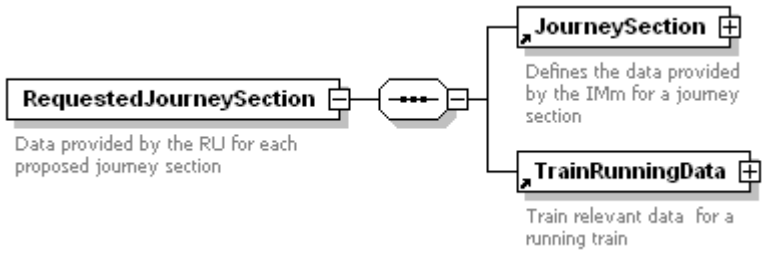
diagram	
type	Numeric1-6
properties	isRef 0 content simple
source	<xs:element name="RelatedNumber" type="Numeric1-6"/>

element **RelatedReference/RelatedMessageDateTime**

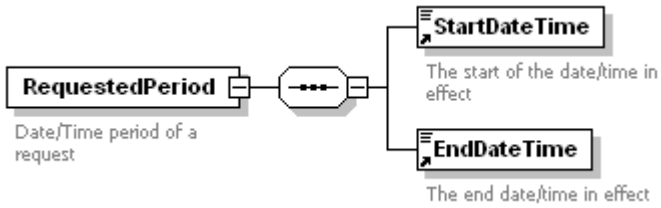
diagram	
type	DateTime

properties	isRef 0 content simple
source	<xs:element name="RelatedMessageDateTime" type="DateTime"/>

element **RequestedJourneySection**

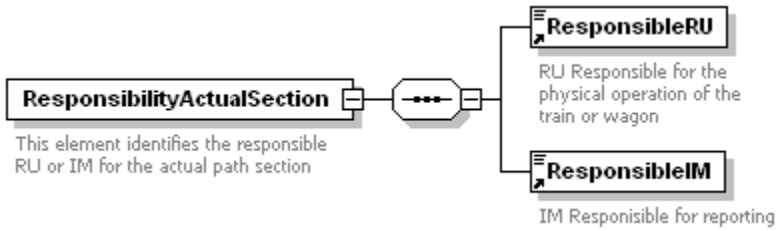
diagram	
properties	content complex
children	JourneySection TrainRunningData
used by	element PathRequestMessage
source	<xs:element name="RequestedJourneySection"> <xs:annotation> <xs:documentation>Data provided by the RU for each proposed journey section</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="JourneySection"/> <xs:element ref="TrainRunningData"/> </xs:sequence> </xs:complexType> </xs:element>

element **RequestedPeriod**

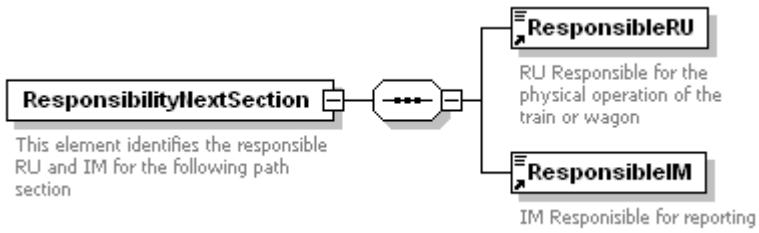
diagram	
properties	content complex
children	StartDateTime EndDateTime
source	<xs:element name="RequestedPeriod"> <xs:annotation> <xs:documentation>Date/Time period of a request</xs:documentation> </xs:annotation> <xs:complexType>

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

element **ResponsibilityActualSection**

diagram	
properties	content complex
children	**ResponsibleRU** **ResponsibleIM**
used by	element **JourneySection**
source	<xs:element name="ResponsibilityActualSection"> <xs:annotation> <xs:documentation>This element identifies the responsible RU or IM for the actual path section</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="ResponsibleRU"/> <xs:element ref="ResponsibleIM"/> </xs:sequence> </xs:complexType> </xs:element>

element **ResponsibilityNextSection**

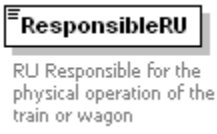
diagram	
properties	content complex
children	**ResponsibleRU** **ResponsibleIM**
used by	element **JourneySection**
source	<xs:element name="ResponsibilityNextSection">

```
  <xs:annotation>
    <xs:documentation>This element identifies the responsible RU and IM for the following path
section</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="ResponsibleRU"/>
      <xs:element ref="ResponsibleIM"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ResponsibleIM**

diagram	
type	**CompanyCode**
properties	content simple
used by	elements **LocationFileDataset** **LocationFileDatasetMessage** **ResponsibilityActualSection** **ResponsibilityNextSection**
source	<xs:element name="ResponsibleIM" type="CompanyCode"> <xs:annotation> <xs:documentation>IM Responisible for reporting</xs:documentation> </xs:annotation> </xs:element>

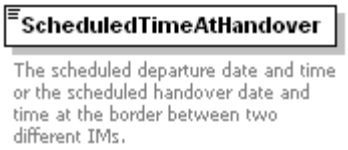
element **ResponsibleRU**

diagram	
type	**CompanyCode**
properties	content simple
used by	elements **ResponsibilityActualSection** **ResponsibilityNextSection**
source	<xs:element name="ResponsibleRU" type="CompanyCode"> <xs:annotation> <xs:documentation>RU Responsible for the physical operation of the train or wagon</xs:documentation> </xs:annotation> </xs:element>

element **ScheduledLocationTime**

diagram	
type	**DateTime**
properties	content simple
used by	element **TrainLocationReport**
source	<xs:element name="ScheduledLocationTime" type="DateTime"> <xs:annotation> <xs:documentation>Scheduled Date and Time of a train at a specified location</xs:documentation> </xs:annotation> </xs:element>

element **ScheduledTimeAtHandover**

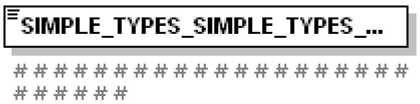
diagram	
type	**DateTime**
properties	content simple
used by	element **TrainIdentifier**
source	<xs:element name="ScheduledTimeAtHandover" type="DateTime"> <xs:annotation> <xs:documentation>The scheduled departure date and time or the scheduled handover date and time at the border between two different IMs.</xs:documentation> </xs:annotation> </xs:element>

element **Sender**

diagram	
type	**CompanyCode**
properties	content simple
used by	element **MessageHeader**
source	<xs:element name="Sender" type="CompanyCode"> <xs:annotation> <xs:documentation>The sender of the message</xs:documentation> </xs:annotation>

	</xs:element>

element **SIMPLE_TYPES_SIMPLE_TYPES_SIMPLE_TYPES_SIMPLE_TYPES_SIMPLE_TYPES**

diagram	
source	<xs:element name="SIMPLE_TYPES_SIMPLE_TYPES_SIMPLE_TYPES_SIMPLE_TYPES_SIMPLE_TYPES"> <xs:annotation> <xs:documentation># #</xs:documentation> </xs:annotation> </xs:element>

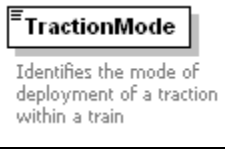
element **StartDateTime**

diagram	
type	**DateTime**
properties	content simple
used by	elements **RequestedPeriod** **ValidityPeriod** **LocationFileDataset/ValidityPeriod** **LocationFileDatasetMessage/ValidityPeriod**
source	<xs:element name="StartDateTime" type="DateTime"> <xs:annotation> <xs:documentation>The start of the date/time in effect</xs:documentation> </xs:annotation> </xs:element>

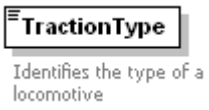
element **TractionIdent**

diagram	
type	**WagonIdent**
properties	content simple
used by	element **LocoIdent**
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>

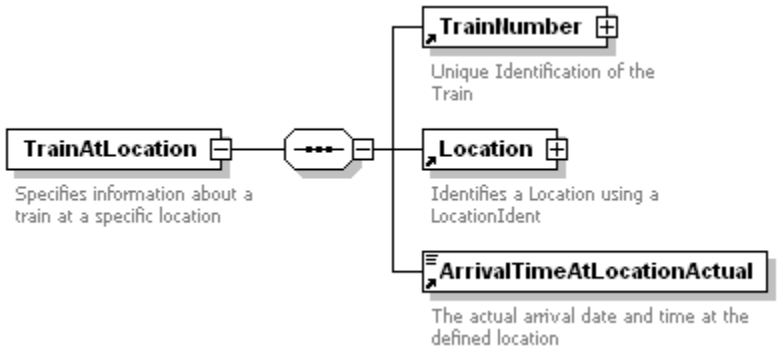
element **TractionMode**

diagram	
type	restriction of **IdentCode**
properties	content simple
used by	element **LocoIdent**
facets	enumeration 1 enumeration 2 enumeration 3 enumeration 4 enumeration 5 enumeration 6
source	<xs:element name="TractionMode"> <xs:annotation> <xs:documentation>Identifies the mode of deployment of a traction within a train</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="IdentCode"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> </xs:restriction> </xs:simpleType> </xs:element>

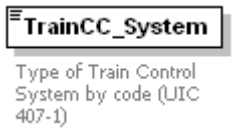
element **TractionType**

diagram	
type	**Numeric2-2**
properties	content simple
used by	element **LocoIdent**
source	<xs:element name="TractionType" type="Numeric2-2"> <xs:annotation> <xs:documentation>Identifies the type of a locomotive </xs:documentation> </xs:annotation> </xs:element>

element **TrainAtLocation**

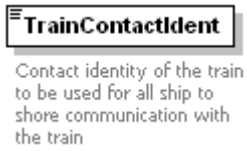
diagram	
properties	content complex
children	**TrainNumber** **Location** **ArrivalTimeAtLocationActual**
source	<xs:element name="TrainAtLocation"> <xs:annotation> <xs:documentation>Specifies information about a train at a specific location</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TrainNumber"/> <xs:element ref="Location"/> <xs:element ref="ArrivalTimeAtLocationActual"/> </xs:sequence> </xs:complexType> </xs:element>

element **TrainCC_System**

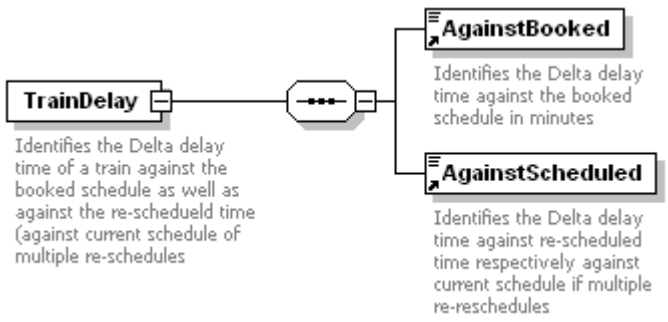
diagram	
type	**TrainCC_Syst**
properties	content simple
used by	element **TrainRunningTechData**
facets	enumeration 01 enumeration 02 enumeration 03 enumeration 04 enumeration 05 enumeration 06 enumeration 11 enumeration 12 enumeration 21 enumeration 22 enumeration 23

	enumeration 31
source	<xs:element name="TrainCC_System" type="TrainCC_Syst"> <xs:annotation> <xs:documentation>Type of Train Control System by code (UIC 407-1)</xs:documentation> </xs:annotation> </xs:element>

element **TrainContactIdent**

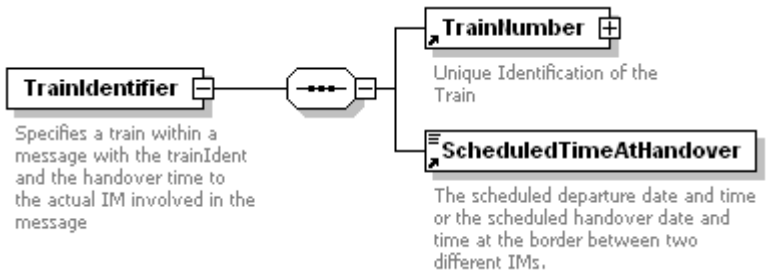
diagram	
type	**CommunicationRefID**
properties	content simple
used by	element **TrainReadyMessage**
source	<xs:element name="TrainContactIdent" type="CommunicationRefID"> <xs:annotation> <xs:documentation>Contact identity of the train to be used for all ship to shore communication with the train</xs:documentation> </xs:annotation> </xs:element>

element **TrainDelay**

diagram	
properties	content complex
children	**AgainstBooked** **AgainstScheduled**
used by	element **TrainLocationReport**
source	<xs:element name="TrainDelay"> <xs:annotation> <xs:documentation>Identifies the Delta delay time of a train against the booked schedule as well as against the re-schedueld time (against current schedule of multiple re-schedules</xs:documentation> </xs:annotation>

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

element **TrainIdentifier**

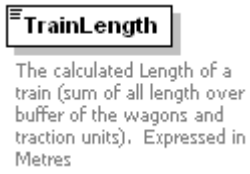
diagram	
properties	content complex
children	TrainNumber ScheduledTimeAtHandover
used by	elements TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage
source	<xs:element name="TrainIdentifier"> <xs:annotation> <xs:documentation>Specifies a train within a message with the trainIdent and the handover time to the actual IM involved in the message</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TrainNumber"/> <xs:element ref="ScheduledTimeAtHandover"/> </xs:sequence> </xs:complexType> </xs:element>

element **TrainJourneyStartTime**

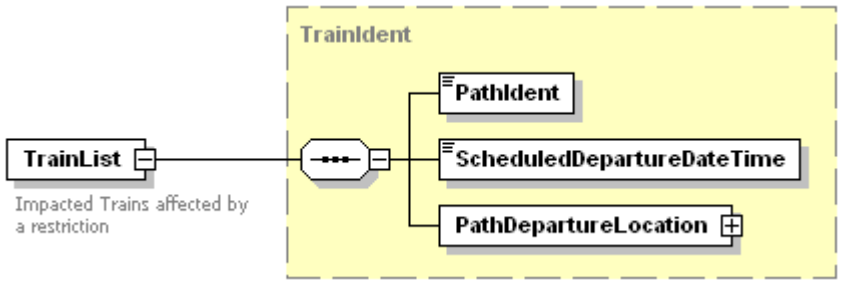
diagram	
type	DateTime
properties	content simple
source	<xs:element name="TrainJourneyStartTime" type="DateTime"> <xs:annotation> <xs:documentation>The precise time at which the train should present itself on the

	network</xs:documentation> </xs:annotation> </xs:element>

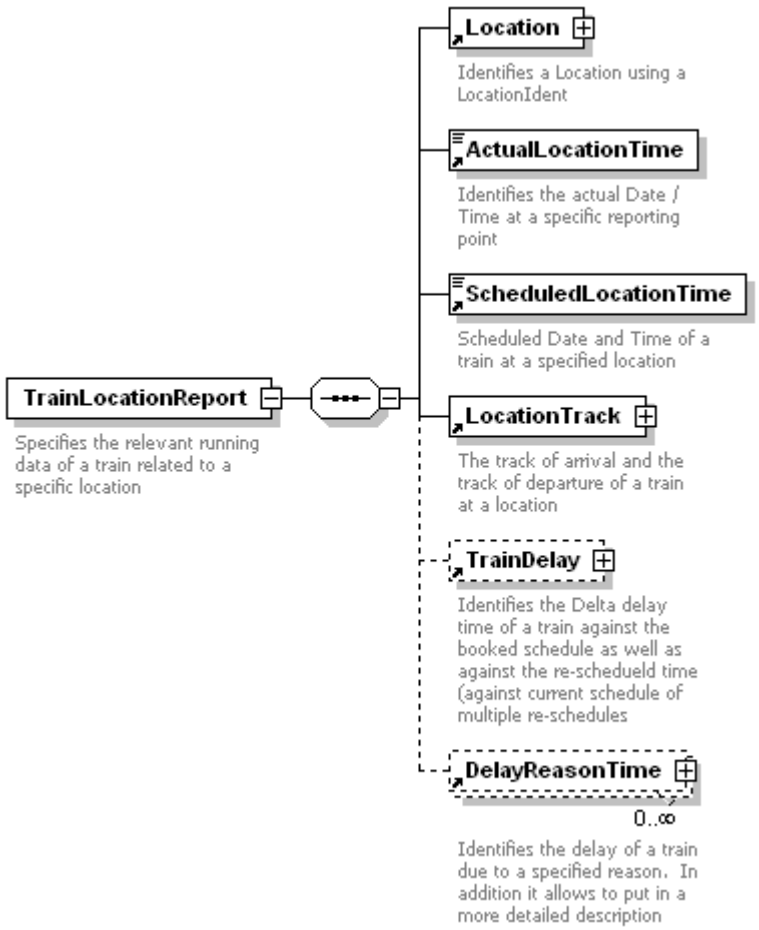
element **TrainLength**

diagram	
type	**Numeric4-4**
properties	content simple
used by	element **TrainRunningTechData**
source	<xs:element name="TrainLength" type="Numeric4-4"> <xs:annotation> <xs:documentation>The calculated Length of a train (sum of all length over buffer of the wagons and traction units). Expressed in Metres</xs:documentation> </xs:annotation> </xs:element>

element **TrainList**

diagram	
type	**TrainIdent**
properties	content complex
children	**PathIdent** **ScheduledDepartureDateTime** **PathDepartureLocation**
source	<xs:element name="TrainList" type="TrainIdent"> <xs:annotation> <xs:documentation>Impacted Trains affected by a restriction</xs:documentation> </xs:annotation> </xs:element>

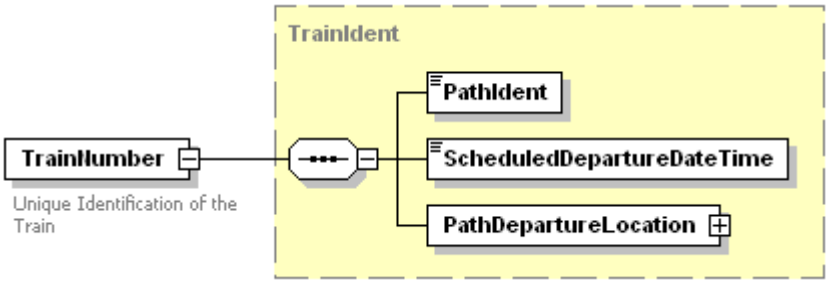
element **TrainLocationReport**

diagram	
properties	content complex
children	**Location** **ActualLocationTime** **ScheduledLocationTime** **LocationTrack** **TrainDelay** **DelayReasonTime**
used by	element **TrainRunningInformationMessage**
source	<xs:element name="TrainLocationReport"> <xs:annotation> <xs:documentation>Specifies the relevant running data of a train related to a specific location</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="ActualLocationTime"/> <xs:element ref="ScheduledLocationTime"/> <xs:element ref="LocationTrack"/> <xs:element ref="TrainDelay" minOccurs="0"/> <xs:element ref="DelayReasonTime" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

element **TrainMaxSpeed**

diagram	
type	**Speed**
properties	content simple
used by	element **TrainRunningTechData**
source	<xs:element name="TrainMaxSpeed" type="Speed"> <xs:annotation> <xs:documentation>The max. possible speed of a train in km/h</xs:documentation> </xs:annotation> </xs:element>

element **TrainNumber**

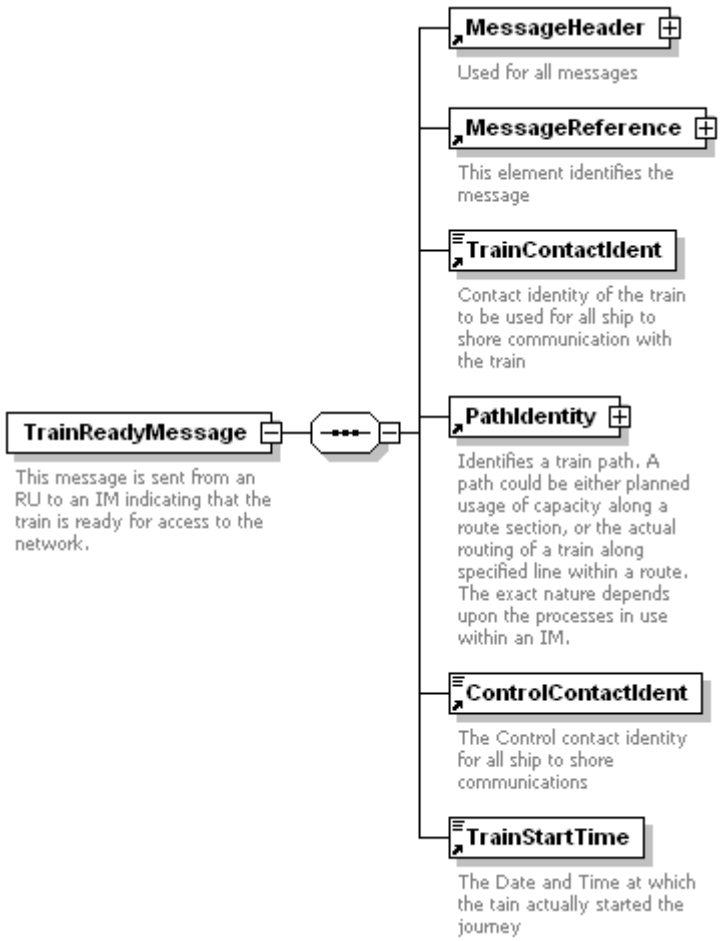
diagram	
type	**TrainIdent**
properties	content complex
children	**PathIdent** **ScheduledDepartureDateTime** **PathDepartureLocation**
used by	elements **PathIdentity** **TrainAtLocation** **TrainIdentifier**
source	<xs:element name="TrainNumber" type="TrainIdent"> <xs:annotation> <xs:documentation>Unique Identification of the Train</xs:documentation> </xs:annotation> </xs:element>

element **TrainRadioSystem**

diagram	
type	restriction of **IdentCode**

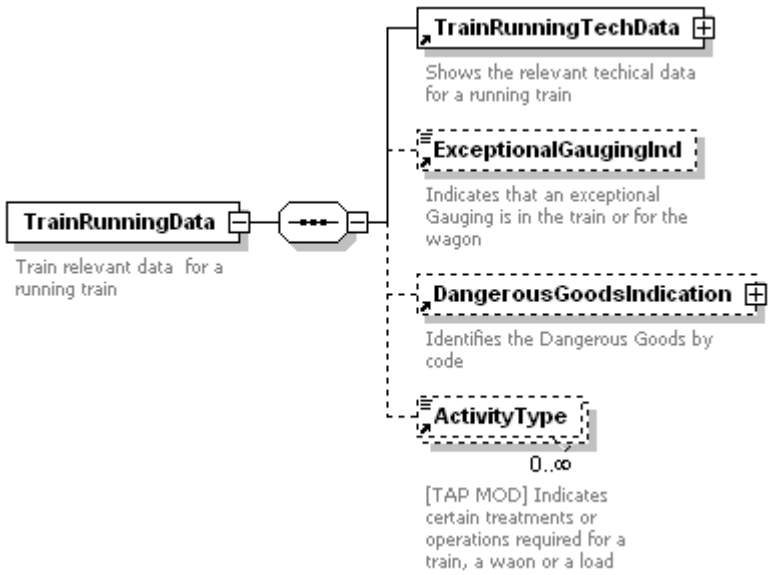
properties	content simple
used by	element **TrainRunningTechData**
facets	enumeration 1 enumeration 2
source	<xs:element name="TrainRadioSystem"> <xs:annotation> <xs:documentation>The on board radio system of the train in coded format</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="IdentCode"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType> </xs:element>

element **TrainReadyMessage**

diagram	
properties	content complex

children	MessageHeader MessageReference TrainContactIdent PathIdentity ControlContactIdent TrainStartTime
source	<xs:element name="TrainReadyMessage"> <xs:annotation> <xs:documentation>This message is sent from an RU to an IM indicating that the train is ready for access to the network.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageReference"/> <xs:element ref="TrainContactIdent"/> <xs:element ref="PathIdentity"/> <xs:element ref="ControlContactIdent"/> <xs:element ref="TrainStartTime"/> </xs:sequence> </xs:complexType> </xs:element>

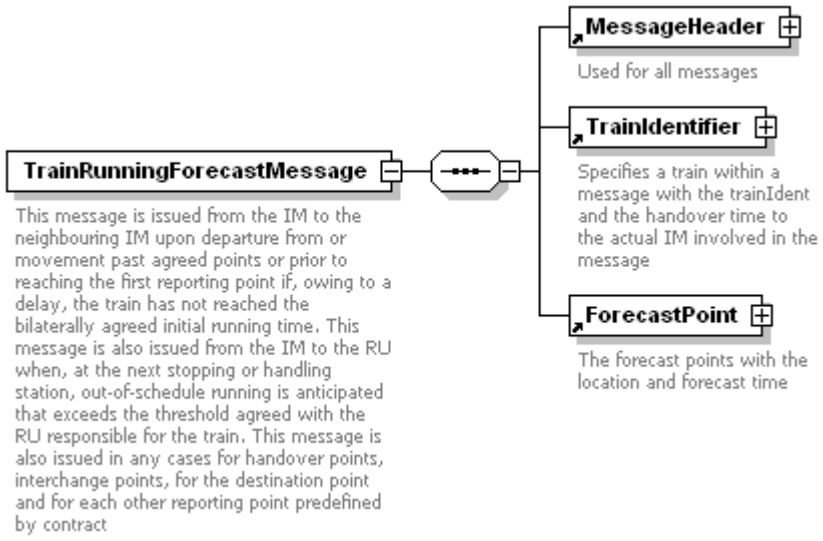
element **TrainRunningData**

diagram	
properties	content complex
children	TrainRunningTechData ExceptionalGaugingInd DangerousGoodsIndication ActivityType
used by	elements AcceptedJourneySection RequestedJourneySection
source	<xs:element name="TrainRunningData"> <xs:annotation> <xs:documentation>Train relevant data for a running train</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TrainRunningTechData"/>

```
    <xs:element ref="ExceptionalGaugingInd" minOccurs="0"/>
    <xs:element ref="DangerousGoodsIndication" minOccurs="0"/>
    <xs:element ref="ActivityType" minOccurs="0" maxOccurs="unbounded"/>
   </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainRunningForecastMessage**

diagram



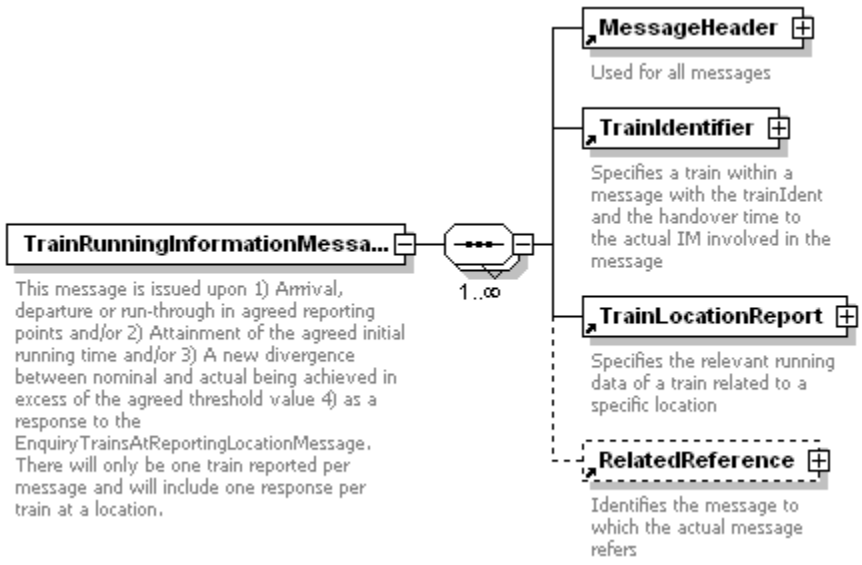
properties: content complex

children: **MessageHeader** **TrainIdentifier** **ForecastPoint**

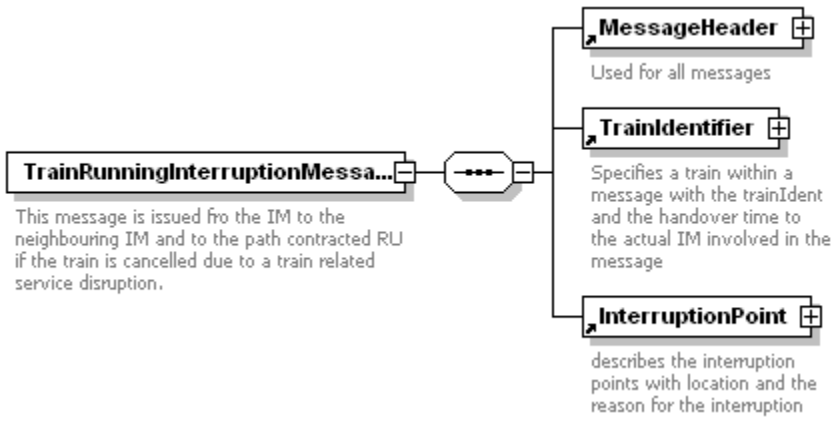
source

```
<xs:element name="TrainRunningForecastMessage">
  <xs:annotation>
    <xs:documentation>This message is issued from the IM to the neighbouring IM upon departure from or movement past agreed points or prior to reaching the first reporting point if, owing to a delay, the train has not reached the bilaterally agreed initial running time. This message is also issued from the IM to the RU when, at the next stopping or handling station, out-of-schedule running is anticipated that exceeds the threshold agreed with the RU responsible for the train. This message is also issued in any cases for handover points, interchange points, for the destination point and for each other reporting point predefined by contract</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="TrainIdentifier"/>
      <xs:element ref="ForecastPoint"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

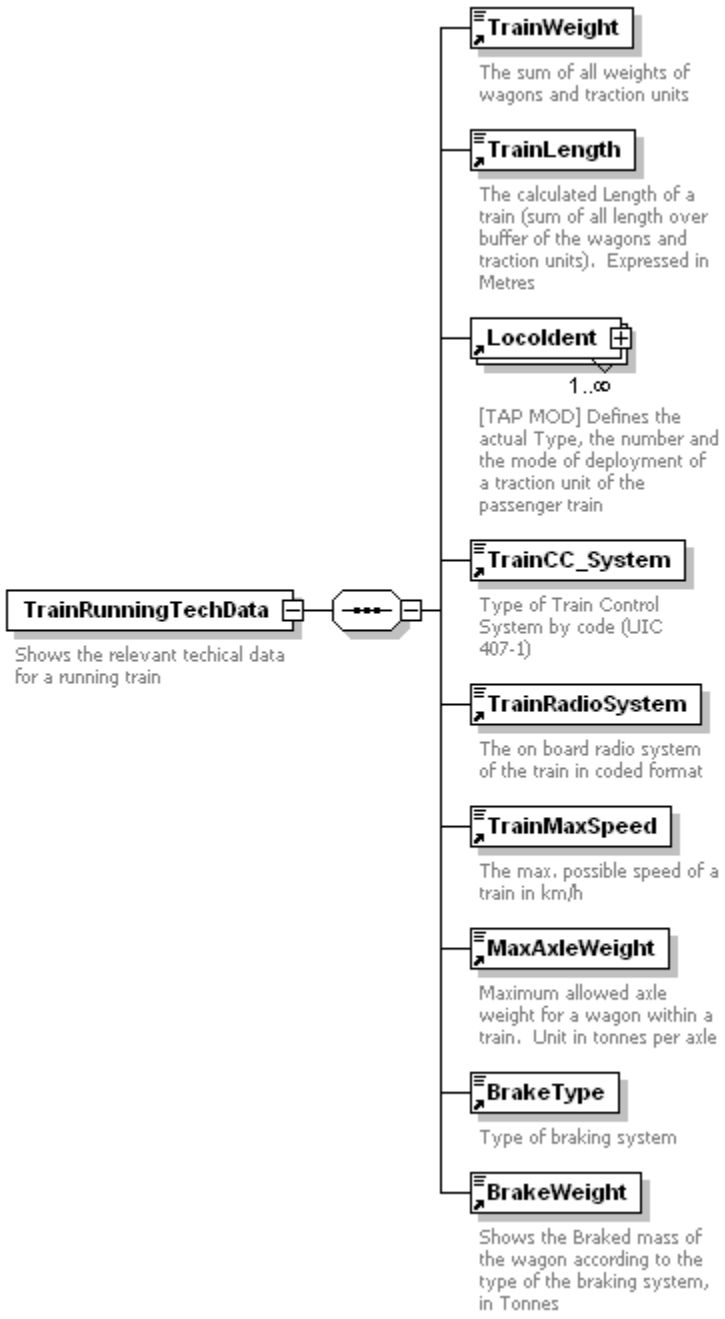
element **TrainRunningInformationMessage**

diagram	
properties	content complex
children	MessageHeader TrainIdentifier TrainLocationReport RelatedReference
source	<xs:element name="TrainRunningInformationMessage"> <xs:annotation> <xs:documentation>This message is issued upon 1) Arrrival, departure or run-through in agreed reporting points and/or 2) Attainment of the agreed initial running time and/or 3) A new divergence between nominal and actual being achieved in excess of the agreed threshold value 4) as a response to the EnquiryTrainsAtReportingLocationMessage. There will only be one train reported per message and will include one response per train at a location.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence maxOccurs="unbounded"> <xs:element ref="MessageHeader"/> <xs:element ref="TrainIdentifier"/> <xs:element ref="TrainLocationReport"/> <xs:element ref="RelatedReference" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **TrainRunningInterruptionMessage**

diagram	
properties	content complex
children	**MessageHeader** **TrainIdentifier** **InterruptionPoint**
source	<xs:element name="TrainRunningInterruptionMessage"> <xs:annotation> <xs:documentation>This message is issued fro the IM to the neighbouring IM and to the path contracted RU if the train is cancelled due to a train related service disruption.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="TrainIdentifier"/> <xs:element ref="InterruptionPoint"/> </xs:sequence> </xs:complexType> </xs:element>

element **TrainRunningTechData**

diagram	
properties	content complex
children	TrainWeight TrainLength LocoIdent TrainCC_System TrainRadioSystem TrainMaxSpeed MaxAxleWeight BrakeType BrakeWeight
used by	element TrainRunningData
source	<xs:element name="TrainRunningTechData"> <xs:annotation> <xs:documentation>Shows the relevant techical data for a running train</xs:documentation>

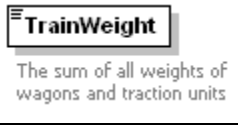
```
  </xs:annotation>
  <xs:complexType>
   <xs:sequence>
    <xs:element ref="TrainWeight"/>
    <xs:element ref="TrainLength"/>
    <xs:element ref="LocoIdent" maxOccurs="unbounded"/>
    <xs:element ref="TrainCC_System"/>
    <xs:element ref="TrainRadioSystem"/>
    <xs:element ref="TrainMaxSpeed"/>
    <xs:element ref="MaxAxleWeight"/>
    <xs:element ref="BrakeType"/>
    <xs:element ref="BrakeWeight"/>
   </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainStartTime**

diagram	
type	**DateTime**
properties	content simple
used by	element **TrainReadyMessage**

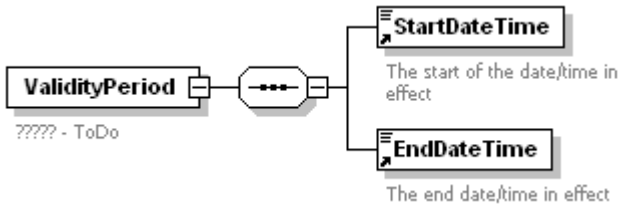
source	`<xs:element name="TrainStartTime" type="DateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The Date and Time at which the tain actually started the journey</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TrainWeight**

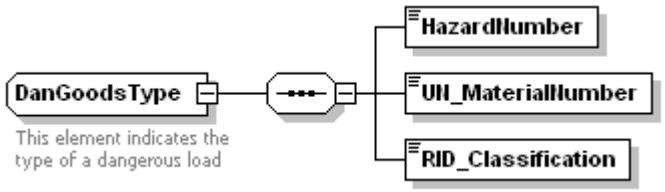
diagram	
type	**WeightValueTonne**
properties	content simple
used by	element **TrainRunningTechData**

source	`<xs:element name="TrainWeight" type="WeightValueTonne">`
	`  <xs:annotation>`
	`  <xs:documentation>The sum of all weights of wagons and traction units</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ValidityPeriod**

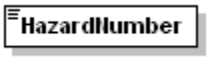
diagram	
properties	content complex
children	StartDateTime EndDateTime
used by	elements CompanyFileDataset CompanyFileDatasetMessage LocationFileDataset/LocationSubsidiaryInformation LocationFileDatasetMessage/LocationSubsidiaryInformation
source	<xs:element name="ValidityPeriod"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="StartDateTime"/> <xs:element ref="EndDateTime"/> </xs:sequence> </xs:complexType> </xs:element>

complexType **DanGoodsType**

diagram	
children	HazardNumber UN_MaterialNumber RID_Classification
used by	element DangerousGoodsIndication
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: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**

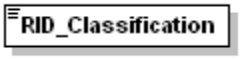
diagram	
type	restriction of **xs:string**
properties	isRef 0 content simple
source	<xs:element name="HazardNumber"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="4"/> </xs:restriction> </xs:simpleType> </xs:element>

element **DanGoodsType/UN_MaterialNumber**

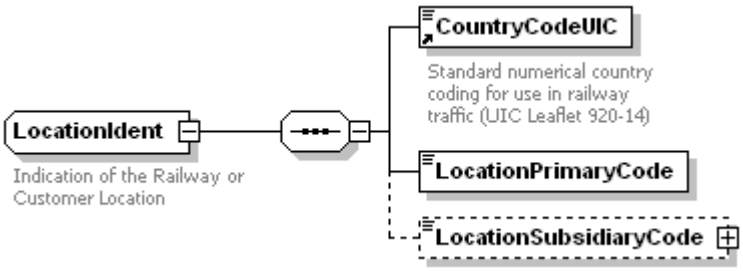
diagram	
type	restriction of **xs:integer**
properties	isRef 0 content simple
source	<xs:element name="UN_MaterialNumber"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0001"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType>

	</xs:element>

element **DanGoodsType/RID_Classification**

diagram	
type	restriction of **xs:string**
properties	isRef 0 content simple
source	<xs:element name="RID_Classification"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="6"/> </xs:restriction> </xs:simpleType> </xs:element>

complexType **LocationIdent**

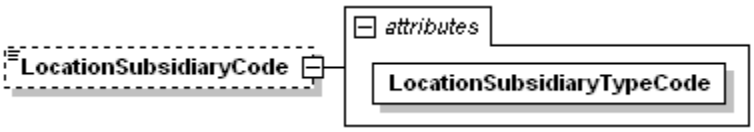
diagram	
children	CountryCodeUIC LocationPrimaryCode LocationSubsidiaryCode
used by	elements ArrivalTrackAtLocation DepartureJourneyTrack DepartureTrackAtLocation IntermediateDestination Location TrainIdent/PathDepartureLocation PathDeparturePoint PathDestinationPoint
source	<xs:complexType name="LocationIdent"> <xs:annotation> <xs:documentation>Indication of the Railway or Customer Location</xs:documentation> </xs:annotation> <xs:sequence> <xs:element ref="CountryCodeUIC"/> <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/LocationPrimaryCode**

diagram	
type	**Numeric1-5**
properties	isRef 0 content simple
source	`<xs:element name="LocationPrimaryCode" type="Numeric1-5"/>`

element **LocationIdent/LocationSubsidiaryCode**

diagram	
type	extension of **String1-7**
properties	isRef 0 minOcc 0 maxOcc 1 content complex
used by	elements **LocationFileDataset/LocationSubsidiaryInformation** **LocationFileDatasetMessage/LocationSubsidiaryInformation**

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>
```

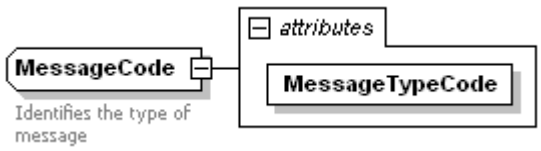
attribute **LocationIdent/LocationSubsidiaryCode/@LocationSubsidiaryTypeCode**

type	restriction of **IdentCode**
properties	isRef 0 use required
facets	enumeration 00 enumeration 01 enumeration 02 enumeration 03 enumeration 04 enumeration 05 enumeration 06 enumeration 07 enumeration 08 enumeration 09 enumeration

source

```
<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>
```

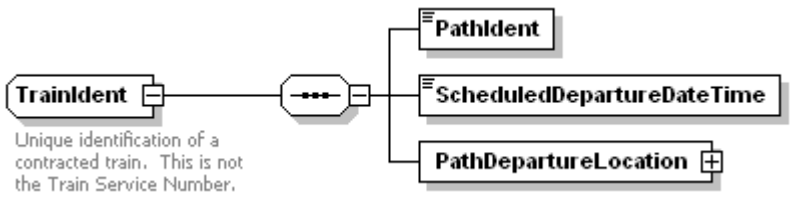
complexType **MessageCode**

diagram	
used by	elements **MessageType** **RelatedReference/RelatedType**
source	<xs:complexType name="MessageCode"> <xs:annotation> <xs:documentation>Identifies the type of message</xs:documentation> </xs:annotation> <xs:attribute name="MessageTypeCode" use="required"> <xs:simpleType> <xs:restriction base="IdentCode"> <xs:enumeration value="01"/> <xs:enumeration value="02"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType>

attribute **MessageCode/@MessageTypeCode**

type	restriction of **IdentCode**
properties	isRef 0 use required
facets	enumeration 01 enumeration 02
source	<xs:attribute name="MessageTypeCode" use="required"> <xs:simpleType> <xs:restriction base="IdentCode"> <xs:enumeration value="01"/> <xs:enumeration value="02"/> </xs:restriction> </xs:simpleType> </xs:attribute>

complexType **TrainIdent**

diagram	
children	**PathIdent** **ScheduledDepartureDateTime** **PathDepartureLocation**
used by	elements **TrainList** **TrainNumber**

source	<xs:complexType name="TrainIdent"> <xs:annotation> <xs:documentation>Unique identification of a contracted train. This is not the Train Service Number.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="PathIdent"> <xs:simpleType> <xs:restriction base="PathIdent"/> </xs:simpleType> </xs:element> <xs:element name="ScheduledDepartureDateTime" type="DateTime"/> <xs:element name="PathDepartureLocation" type="LocationIdent"/> </xs:sequence> </xs:complexType>

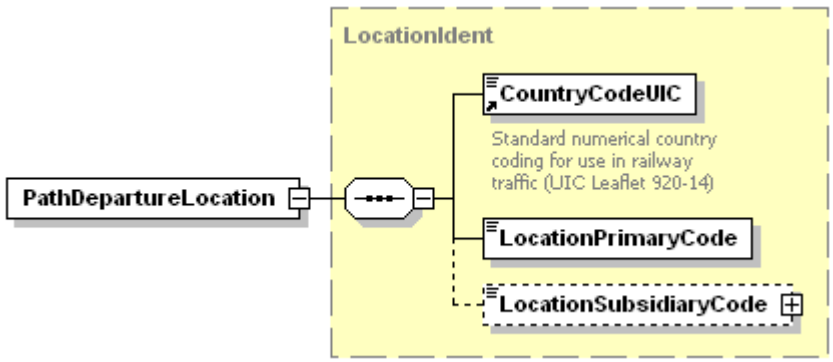
element **TrainIdent/PathIdent**

diagram	
type	restriction of **PathIdent**
properties	isRef 0 content simple
used by	element **PathIdentity**
source	<xs:element name="PathIdent"> <xs:simpleType> <xs:restriction base="PathIdent"/> </xs:simpleType> </xs:element>

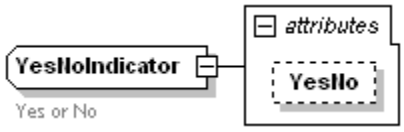
element **TrainIdent/ScheduledDepartureDateTime**

diagram	
type	**DateTime**
properties	isRef 0 content simple
source	<xs:element name="ScheduledDepartureDateTime" type="DateTime"/>

element **TrainIdent/PathDepartureLocation**

diagram	
type	**LocationIdent**
properties	isRef 0 content complex
children	**CountryCodeUIC** **LocationPrimaryCode** **LocationSubsidiaryCode**
source	<xs:element name="PathDepartureLocation" type="LocationIdent"/>

complexType **YesNoIndicator**

diagram	
used by	element **DangerousGoodsIndicator**
source	<xs:complexType name="YesNoIndicator"> <xs:annotation> <xs:documentation>Yes or No</xs:documentation> </xs:annotation> <xs:attribute name="YesNo"> <xs:simpleType> <xs:restriction base="IdentCode"> <xs:enumeration value="Yes"/> <xs:enumeration value="No"/> <xs:enumeration value="Unknown"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType>

attribute **YesNoIndicator/@YesNo**

type	restriction of **IdentCode**
properties	isRef 0
facets	enumeration Yes enumeration No

	enumeration Unknown
source	<xs:attribute name="YesNo"> <xs:simpleType> <xs:restriction base="IdentCode"> <xs:enumeration value="Yes"/> <xs:enumeration value="No"/> <xs:enumeration value="Unknown"/> </xs:restriction> </xs:simpleType> </xs:attribute>

simpleType **ActivityCode**

type	**IdentCode**
used by	element **ActivityType**
source	<xs:simpleType name="ActivityCode"> <xs:annotation> <xs:documentation>Indicate certain treatments or operations required for a train, a wagon or a load</xs:documentation> </xs:annotation> <xs:restriction base="IdentCode"/> </xs:simpleType>

simpleType **CommunicationRefID**

type	restriction of **xs:string**
used by	elements **ControlContactIdent** **eMail** **FaxNumber** **PhoneNumber** **TrainContactIdent**
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:maxLength value="70"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType>

simpleType **CompanyCode**

type	restriction of **Numeric4-4**
used by	elements **LocationFileDataset/LocationSubsidiaryInformation/AllocationAuthority** **LocationFileDatasetMessage/LocationSubsidiaryInformation/AllocationAuthority** **Company** **Recipient** **ResponsibleIM** **ResponsibleRU** **Sender**
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 **CountryIdentISO**

type	restriction of **xs:string**
used by	element **CountryCodeISO**

source

```
<xs:simpleType name="CountryIdentISO">
  <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 **ActualEndDateTime** **ActualLocationTime** **ArrivalTimeAtLocationActual** **CreateDateTime** **EndDateTime** **EstimatedEndDateTime** **ForecastTime** **IntermediateArrivalTime** **IntermediateDepartureTime** **LastModifiedDateTime** **MessageReference/MessageDateTime** **PathDepartureTime** **PathDestinationTime** **RelatedReference/RelatedMessageDateTime** **TrainIdent/ScheduledDepartureDateTime** **ScheduledLocationTime** **ScheduledTimeAtHandover** **StartDateTime** **TrainJourneyStartTime** **TrainStartTime**

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	elements **DelayReason** **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 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
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"/>
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<xs:enumeration value="43"/>
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<xs:enumeration value="66"/>
<xs:enumeration value="70"/>
<xs:enumeration value="69"/>
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<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 **DeltaTime**

type	restriction of **xs:string**
used by	elements **AgainstBooked** **AgainstScheduled** **ReasonTime**
source	<xs:simpleType name="DeltaTime"> <xs:annotation> <xs:documentation>Time difference delay (+) or ahead of schedule (-) this shall be 1character + 4 Numeric</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:length value="5"/> </xs:restriction> </xs:simpleType>

simpleType **FreeText**

type	restriction of **xs:string**
used by	elements **Address** **CauseDescription** **CompanyFileDataset/CompanyAbbreviation** **CompanyFileDatasetMessage/CompanyAbbreviation** **DelayReasonDescription** **FreeTextField** **InterruptionDescription** **LocationSubsidiaryName** **Name** **PrimaryLocationName** **CompanyFileDataset/PrincipalActivity** **CompanyFileDatasetMessage/PrincipalActivity** **CompanyFileDataset/URL** **CompanyFileDatasetMessage/URL**
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:maxLength value="255"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType>

simpleType **IdentCode**

type	**xs:string**
used by	elements **BrakeType** **LoadingGauge** **MessageStatus** **TractionMode** **TrainRadioSystem** simpleTypes **ActivityCode** **DelayCode** **TrainCC_Syst** attributes **LocationSubsidiaryCode/@LocationSubsidiaryTypeCode** **LocationIdent/LocationSubsidiaryCode/@LocationSubsidiaryTypeCode** **MessageCode/@MessageTypeCode** **YesNoIndicator/@YesNo**
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
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 **CompanyFileDataset/CompanyName** **CompanyFileDatasetMessage/CompanyName**
source	<xs:simpleType name="Name"> <xs:annotation> <xs:documentation>Name in Free Text</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:maxLength value="254"/> </xs:restriction> </xs:simpleType>

simpleType **Numeric1-5**

type	restriction of **xs:positiveInteger**
used by	element **LocationIdent/LocationPrimaryCode**
source	<xs:simpleType name="Numeric1-5"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> <xs:restriction base="xs:positiveInteger"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99999"/> </xs:restriction> </xs:simpleType>

simpleType **Numeric1-6**

type	restriction of **xs:int**
used by	elements **MessageIdent** **MessageReference/MessageNumber** **RelatedReference/RelatedNumber**
source	<xs:simpleType name="Numeric1-6"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999999"/> </xs:restriction> </xs:simpleType>

simpleType **Numeric2-2**

type	restriction of **xs:integer**
used by	elements **CountryCodeUIC** **TractionType**
source	<xs:simpleType name="Numeric2-2"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="01"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType>

simpleType **Numeric3-3**

type	restriction of **xs:integer**
used by	simpleType **Speed**
source	<xs:simpleType name="Numeric3-3"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="001"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType>

simpleType **Numeric4-4**

type	restriction of **xs:integer**
used by	element **TrainLength**

	simpleType **CompanyCode**
source	<xs:simpleType name="Numeric4-4"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="0001"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType>

simpleType **PathIdent**

type	restriction of **String5-6**
used by	elements **PathIdent** **TrainIdent/PathIdent**
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 **Speed**

type	**Numeric3-3**
used by	element **TrainMaxSpeed**
source	<xs:simpleType name="Speed"> <xs:annotation> <xs:documentation>Shown in Km/h</xs:documentation> </xs:annotation> <xs:restriction base="Numeric3-3"/> </xs:simpleType>

simpleType **String1-14**

type	restriction of **xs:string**
source	<xs:simpleType name="String1-14"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="14"/> </xs:restriction>

	</xs:simpleType>

simpleType **String1-5**

type	restriction of **xs:string**
source	<xs:simpleType name="String1-5"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType>

simpleType **String1-7**

type	restriction of **xs:string**
used by	elements **LocationSubsidiaryCode** **LocationIdent/LocationSubsidiaryCode**
source	<xs:simpleType name="String1-7"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="7"/> </xs:restriction> </xs:simpleType>

simpleType **String1-8**

type	restriction of **xs:string**
source	<xs:simpleType name="String1-8"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="8"/> </xs:restriction> </xs:simpleType>

simpleType **String5-5**

type	restriction of **xs:string**
source	<xs:simpleType name="String5-5">

```
  <xs:annotation>
    <xs:documentation>????? - ToDo </xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:minLength value="5"/>
    <xs:maxLength value="5"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **String5-6**

type	restriction of **xs:string**
used by	simpleType **PathIdent**
source	<xs:simpleType name="String5-6"> <xs:annotation> <xs:documentation>????? - ToDo </xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="5"/> <xs:maxLength value="6"/> </xs:restriction> </xs:simpleType>

simpleType **TrainCC_Syst**

type	restriction of **IdentCode**
used by	element **TrainCC_System**
facets	enumeration 01 enumeration 02 enumeration 03 enumeration 04 enumeration 05 enumeration 06 enumeration 11 enumeration 12 enumeration 21 enumeration 22 enumeration 23 enumeration 31
source	<xs:simpleType name="TrainCC_Syst"> <xs:annotation> <xs:documentation>Identifies the command control system of the train in coded values</xs:documentation> </xs:annotation> <xs:restriction base="IdentCode"> <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="11"/>
    <xs:enumeration value="12"/>
    <xs:enumeration value="21"/>
    <xs:enumeration value="22"/>
    <xs:enumeration value="23"/>
    <xs:enumeration value="31"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **WagonIdent**

type	restriction of **xs:string**
used by	element **TractionIdent**
source	<xs:simpleType name="WagonIdent"> <xs:annotation> <xs:documentation>[TAP MOD] Identification code of a passenger 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 **WeightValueTonne**

type	restriction of **xs:int**
used by	element **TrainWeight**
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>