



INTEROPERABILITY UNIT

TAP TSI: ANNEX B.30

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

REFERENCE: ERA/TD/2009-13/INT	DOCUMENT TYPE: TECHNICAL DOCUMENT
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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	<pre> classDiagram class AcceptedJourneySection class JourneySection class TrainRunningData AcceptedJourneySection "3..>" JourneySection : AcceptedJourneySection "3..>" TrainRunningData : </pre> <p>Defines the data provided by the IM for each accepted journey section - from start to the first intermediate stop, etc</p>
properties	content complex

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children	JourneySection TrainRunningData
used by	element PathDetailsMessage
source	<pre><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></pre>

element **ActivityType**

diagram	ActivityType <p>[TAP MOD] Indicates certain treatments or operations required for a train, a waon or a load</p>
type	ActivityCode
properties	content simple
used by	element TrainRunningData
source	<pre><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></pre>

element **ActualEndTime**

diagram	ActualEndTime <p>Identifies the actual date and time of arrival of the Wagon or Unit on the final destination of the customer siding.</p>
type	DateTime
properties	content simple
source	<pre><xs:element name="ActualEndTime" type="DateTime"> <xs:annotation> <xs:documentation>Identifies the actual date and time of arrival of the Wagon or Unit on the final</pre>

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

diagram	 <p>Identifies the actual Date / Time at a specific reporting point</p>
type	DateTime
properties	content simple
used by	element TrainLocationReport
source	<pre><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></pre>

element **Address**

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

element AddressInformation

diagram	<pre> classDiagram class AddressInformation { <<Generic Address Information>> } class Address { <<Generic postal address in clear text>> } class CityTown { <<Name of the City or Town in Clear Text>> } class CountryCodeISO { <<Identifies a County or State by code (ISO 3166-1)>> } class PostalCode { <<The postal code for the postal address>> } AddressInformation "2" --> Address : AddressInformation "2" --> CityTown : AddressInformation "2" --> CountryCodeISO : </pre>
properties	content complex
children	Address CityTown CountryCodeISO PostalCode
used by	elements CompanyFileDataset CompanyFileDatasetMessage
source	<pre> <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> </pre>

element AdministrativeContactInformation

diagram	
properties	content complex
children	Name Address eMail PhoneNumber FaxNumber FreeTextField
used by	elements CompanyFileDataset CompanyFileDatasetMessage
source	<pre> <xs:element name="AdministrativeContactInformation"> <xs:annotation> <xs:documentation>Used to define administrative 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> </pre>

element AgainstBooked

diagram	
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type	<u>DeltaTime</u>
properties	content simple
used by	element <u>TrainDelay</u>
source	<pre><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></pre>

element [AgainstScheduled](#)

diagram	<p>The diagram shows a rectangular box with a double-line border. Inside, at the top left, is a small icon of two parallel horizontal lines. To its right, the text '= AgainstScheduled' is written in a bold, black, sans-serif font.</p>
type	<u>DeltaTime</u>
properties	content simple
used by	element <u>TrainDelay</u>
source	<pre><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></pre>

element [ArrivalTimeAtLocationActual](#)

diagram	<p>The diagram shows a rectangular box with a double-line border. Inside, at the top left, is a small icon of two parallel horizontal lines. To its right, the text '= ArrivalTimeAtLocationActual' is written in a bold, black, sans-serif font.</p>
type	<u>DateTime</u>
properties	content simple
used by	element <u>TrainAtLocation</u>
source	<pre><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></pre>

element **ArrivalTrackAtLocation**

diagram	
type	LocationIdent
properties	content complex
children	CountryCodeUIC LocationPrimaryCode LocationSubsidiaryCode
used by	element LocationTrack
source	<pre><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></pre>

element **BrakeType**

diagram	
type	restriction of IdentCode
properties	content simple
used by	element TrainRunningTechData
facets	enumeration G enumeration P enumeration R
source	<pre><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></pre>

	</xs:element>
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element **BrakeWeight**

diagram	BrakeWeight <p>Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes</p>
type	restriction of xs:int
properties	content simple
used by	element TrainRunningTechData
source	<pre><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></pre>

element **CauseDescription**

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

element CityTown

diagram	 Name of the City or Town in Clear Text
type	restriction of xs:string
properties	content simple
used by	element AddressInformation
source	<pre><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></pre>

element Company

diagram	 Identifies a railway company (RU or IM)
type	CompanyCode
properties	content simple
used by	elements CompanyFileDataset CompanyFileDatasetMessage MessageQueue
source	<pre><xs:element name="Company" type="CompanyCode"> <xs:annotation> <xs:documentation>Identifies a railway company (RU or IM)</xs:documentation> </xs:annotation> </xs:element></pre>

element **CompanyFileDataset**

diagram	<pre> classDiagram class CompanyFileDataset { <<Dataset for CompanyIdent Database>> } class MessageHeader { <<Used for all messages>> } class Company { <<Identifies a railway company (RU or IM)>> } class MessageQueue { <<Identificaiton of the Message Queue of the Common Interface>> } class CompanyName { <<Full company name in clear text>> } class CountryCodeISO { <<Country in which the company is legally registered>> } class PrincipalActivity { <<The activity or role of the company - ie IM, RU, etc>> } class AddressInformation { <<Generic Address Information>> } class AdministrativeContactInformation { <<Used to define adminstrative contact information>> } class ValidityPeriod { <<????? - ToDo>> } class CompanyAbbreviation { <<Abbreviated Company identifier in clear text, ie, SNCB>> } class URL { <<Website address>> 0..oo } class FreeTextField { <<Free Text>> } CompanyFileDataset "1" --> "3..1" MessageHeader CompanyFileDataset "1" --> "3..1" Company CompanyFileDataset "1" --> "3..1" MessageQueue CompanyFileDataset "1" --> "3..1" CompanyName CompanyFileDataset "1" --> "3..1" CountryCodeISO CompanyFileDataset "1" --> "3..1" PrincipalActivity CompanyFileDataset "1" --> "3..1" AddressInformation CompanyFileDataset "1" --> "3..1" AdministrativeContactInformation CompanyFileDataset "1" --> "3..1" ValidityPeriod CompanyFileDataset "1" --> "3..1" CompanyAbbreviation CompanyFileDataset "1" --> "0..oo" URL CompanyFileDataset "1" --> "0..oo" FreeTextField </pre> <p>The diagram illustrates the structure of the CompanyFileDataset element. It consists of a central CompanyFileDataset object (represented by a rectangle with a small circle) connected via associations to nine other objects. The associations are labeled with multiplicity ranges: "1" for the dataset and "3..1" for the other objects. The objects are:</p> <ul style="list-style-type: none"> MessageHeader: Used for all messages. Company: Identifies a railway company (RU or IM). MessageQueue: Identification of the Message Queue of the Common Interface. CompanyName: Full company name in clear text. CountryCodeISO: Country in which the company is legally registered. PrincipalActivity: The activity or role of the company - ie IM, RU, etc. AddressInformation: Generic Address Information. AdministrativeContactInformation: Used to define administrative contact information. ValidityPeriod: ????? - ToDo. <p>Below the main structure, there are two dashed-line boxes containing additional objects:</p> <ul style="list-style-type: none"> CompanyAbbreviation: Abbreviated Company identifier in clear text, ie, SNCB. URL: Website address (multiplicity 0..oo). FreeTextField: Free Text (multiplicity 0..oo).
properties	content complex
children	MessageHeader Company MessageQueue CompanyName CountryCodeISO PrincipalActivity AddressInformation AdministrativeContactInformation ValidityPeriod CompanyAbbreviation URL FreeTextField
source	<code><xsd:element name="CompanyFileDataset"></code>

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	<pre> <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> </pre>
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element CompanyFileDataset/CompanyName

diagram	 <p>Full company name in clear text</p>						
type	<u>Name</u>						
properties	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">isRef</td> <td style="width: 10%;">0</td> <td style="width: 80%;"></td> </tr> <tr> <td>content</td> <td>simple</td> <td></td> </tr> </table>	isRef	0		content	simple	
isRef	0						
content	simple						

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

diagram	PrincipalActivity The activity or role of the company - ie IM, RU, etc
type	<u>FreeText</u>
properties	isRef 0 minOcc 0 maxOcc 1 content simple
source	<pre><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></pre>

element CompanyFileDataset/CompanyAbbreviation

diagram	CompanyAbbreviation Abbreviated Company identifier in clear text, ie. SNCB
type	<u>FreeText</u>
properties	isRef 0 minOcc 0 maxOcc 1 content simple
source	<pre><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></pre>

element CompanyFileDataset/URL

diagram	URL 0..∞ Website address
type	<u>FreeText</u>
properties	isRef 0 minOcc 0 maxOcc unbounded

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

element **CompanyFileDatasetMessage**

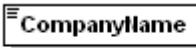
diagram	<pre> classDiagram class CompanyFileDatasetMessage { <<Comment describing your root element>> } class MessageHeader class Company class MessageQueue class CompanyName class CountryCodeISO class PrincipalActivity class AddressInformation class AdministrativeContactInformation class ValidityPeriod class CompanyAbbreviation class URL class FreeTextField CompanyFileDatasetMessage "1" --> "1" MessageHeader CompanyFileDatasetMessage "1" --> "1" Company CompanyFileDatasetMessage "1" --> "1" MessageQueue CompanyFileDatasetMessage "1" --> "1" CompanyName CompanyFileDatasetMessage "1" --> "1" CountryCodeISO CompanyFileDatasetMessage "1" --> "1" PrincipalActivity CompanyFileDatasetMessage "1" --> "1" AddressInformation CompanyFileDatasetMessage "1" --> "1" AdministrativeContactInformation CompanyFileDatasetMessage "1" --> "1" ValidityPeriod CompanyFileDatasetMessage "1" --> "1" CompanyAbbreviation CompanyFileDatasetMessage "*" --> "0..<<0..>>" URL CompanyFileDatasetMessage "*" --> "0..<<0..>>" FreeTextField </pre> <p>The diagram illustrates the structure of the CompanyFileDatasetMessage element. It is a root element with the following components:</p> <ul style="list-style-type: none"> MessageHeader: Used for all messages. Company: Identifies a railway company (RU or IM). MessageQueue: Identification of the Message Queue of the Common Interface. CompanyName: Full company name in clear text. CountryCodeISO: Country in which the company is legally registered. PrincipalActivity: The activity or role of the company - ie IM, RU, etc. AddressInformation: Generic Address Information. AdministrativeContactInformation: Used to define administrative contact information. ValidityPeriod: ????? - ToDo. CompanyAbbreviation: Abbreviated Company identifier in clear text, ie. SNCB. URL: Website address (multiplicity 0..<<0..>>). FreeTextField: Free Text (multiplicity *). <p>Comment describing your root element</p>
properties	content complex
children	MessageHeader Company MessageQueue CompanyName CountryCodeISO PrincipalActivity AddressInformation AdministrativeContactInformation ValidityPeriod CompanyAbbreviation URL FreeTextField
source	<xs:element name="CompanyFileDatasetMessage">

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	<pre> <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></pre>
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element CompanyFileDatasetMessage/CompanyName

diagram	 <p>Full company name in clear text</p>						
type	<u>Name</u>						
properties	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">isRef</td> <td style="width: 15%;">0</td> <td style="width: 70%;"></td> </tr> <tr> <td>content</td> <td>simple</td> <td></td> </tr> </table>	isRef	0		content	simple	
isRef	0						
content	simple						

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

diagram	PrincipalActivity The activity or role of the company - ie IM, RU, etc
type	<u>FreeText</u>
properties	isRef 0 minOcc 0 maxOcc 1 content simple
source	<pre><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></pre>

element CompanyFileDatasetMessage/CompanyAbbreviation

diagram	CompanyAbbreviation Abbreviated Company identifier in clear text, ie. SNCB
type	<u>FreeText</u>
properties	isRef 0 minOcc 0 maxOcc 1 content simple
source	<pre><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></pre>

element CompanyFileDatasetMessage/URL

diagram	URL 0..∞ Website address
type	<u>FreeText</u>
properties	isRef 0 minOcc 0 maxOcc unbounded

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

element

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element **ControlContactIdent**

diagram	<p>ControlContactIdent</p> <p>The Control contact identity for all ship to shore communications</p>
type	<u>CommunicationRefID</u>
properties	content simple
used by	element <u>TrainReadyMessage</u>
source	<pre><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></pre>

element **CountryCodeISO**

diagram	 CountryCodeISO Identifies a County or State by code (ISO 3166-1)
type	extension of CountryIdentISO

properties	content complex
used by	elements AddressInformation CompanyFileDataset CompanyFileDatasetMessage
source	<pre><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></pre>

element **CountryCodeUIC**

diagram	 <p>Standard numerical country coding for use in railway traffic (UIC Leaflet 920-14)</p>
type	Numeric2-2
properties	content simple
used by	complexType LocationIdent

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

element DangerousGoodsIndication

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

element DangerousGoodsIndicator

diagram	<pre> classDiagram class DangerousGoodsIndicator class YesNoIndicator { <<attributes>> <<YesNo>> } DangerousGoodsIndicator --> YesNoIndicator </pre>
type	YesNoIndicator
properties	content complex
source	<pre> <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> </pre>

element **DATABASES_DATABASES_DATABASES_DATABASES_DATABASES**

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

element **DelayReason**

diagram	 DelayReason This element identifies the reason for a delay
type	<u>DelayCode</u>
properties	content simple
used by	element <u>DelayReasonTime</u>
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	<pre><xs:element name="DelayReason" type="DelayCode"> <xs:annotation> <xs:documentation>This element identifies the reason for a delay</xs:documentation> </xs:annotation> </xs:element></pre>

element **DelayReasonDescription**

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

element DelayReasonTime

diagram	
properties	content complex
children	DelayReason ReasonTime DelayReasonDescription
used by	element TrainLocationReport
source	<pre><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></pre>

element DepartureJourneyTrack

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

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<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	<pre><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></pre>

element ELEMENTS_ELEMENTS_ELEMENTS_ELEMENTS_ELEMENTS_ELEMENTS_ELEMENTS_ELEMENTS

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

element eMail

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

element EndDateTime

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

element EstimatedEndDateTime

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

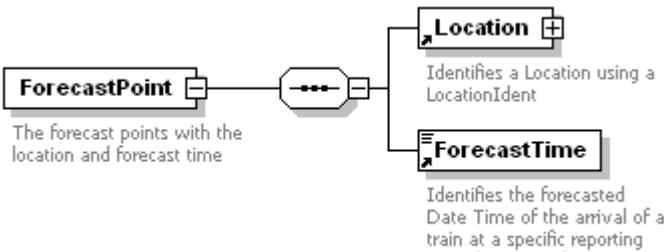
element ExceptionalGaugingInd

diagram	 <p>ExceptionalGaugingInd</p> <p>Indicates that an exceptional Gauging is in the train or for the wagon</p>
type	InfoIndex
properties	content simple
used by	element TrainRunningData
facets	enumeration 10 enumeration 20 enumeration 30
source	<pre><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></pre>

element FaxNumber

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

element ForecastPoint

diagram	 <p>The forecast points with the location and forecast time</p> <p>Location + Identifies a Location using a LocationIdent</p> <p>ForecastTime Identifies the forecasted Date Time of the arrival of a train at a specific reporting point (Train ETA)</p>
properties	content complex

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children	Location ForecastTime
used by	element TrainRunningForecastMessage
source	<pre><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></pre>

element ForecastTime

diagram	 <p>Identifies the forecasted Date Time of the arrival of a train at a specific reporting point (Train ETA)</p>
type	DateTime
properties	content simple
used by	element ForecastPoint
source	<pre><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></pre>

element FreeTextField

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

element GeographicalCoordinates

diagram	 GeographicalCoordinates [TAP MOD] Longitude and latitude as defined in UIC Leafle 920-2
type	xs:string
properties	content simple
used by	elements LocationFileDataset LocationFileDatasetMessage LocationFileDataset/LocationSubsidiaryInformation LocationFileDatasetMessage/LocationSubsidiaryInformation

```

<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	 IntermediateArrivalTime The Date and Time of the train arrival at an Intermediate point on the train path
type	Date
properties	content simple
used by	element JourneySection

```

<xs:element name="IntermediateArrivalTime" type="Date">
  <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	 IntermediateDepartureTime The Date and Time of the train departure at an Intermediate point on the train path
type	Date
properties	content simple
used by	element JourneySection

source	<pre><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></pre>
--------	--

element **IntermediateDestination**

diagram	<pre> classDiagram class IntermediateDestination { "A location on the route of a train" } class LocationIdent class CountryCodeUIC class LocationPrimaryCode class LocationSubsidiaryCode IntermediateDestination --> LocationIdent LocationIdent --> CountryCodeUIC LocationIdent --> LocationPrimaryCode LocationIdent --> LocationSubsidiaryCode </pre>
type	LocationIdent
properties	content complex
children	CountryCodeUIC LocationPrimaryCode LocationSubsidiaryCode
used by	JourneySection
source	<pre><xs:element name="IntermediateDestination" type="LocationIdent"> <xs:annotation> <xs:documentation>A location on the route of a train</xs:documentation> </xs:annotation> </xs:element></pre>

element **InterruptionDescription**

diagram	<pre> classDiagram class InterruptionDescription { "The free text description of an interruption" } class FreeText </pre>
type	FreeText
properties	content simple
used by	InterruptionPoint
source	<pre><xs:element name="InterruptionDescription" type="FreeText"> <xs:annotation> <xs:documentation>The free text description of an interruption</xs:documentation> </xs:annotation> </xs:element></pre>

element InterruptionPoint

diagram	<p>The diagram illustrates the structure of the InterruptionPoint element. It consists of three main components: InterruptionPoint, Location, and InterruptionReason. The InterruptionPoint is connected to both Location and InterruptionReason through association lines. A callout box provides a detailed description of each component: Location identifies a location using a LocationIdent; InterruptionReason identifies the reason for an interruption; and InterruptionDescription is a free text description of an interruption.</p>
properties	content complex
children	Location InterruptionReason InterruptionDescription
used by	element TrainRunningInterruptionMessage
source	<pre><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></pre>

element InterruptionReason

diagram	<p>The diagram illustrates the structure of the InterruptionReason element. It consists of two main components: InterruptionReason and DelayCode. The InterruptionReason is connected to DelayCode through an association line. A callout box provides a detailed description of the InterruptionReason component: it identifies the reason for an interruption of the train running.</p>
type	DelayCode
properties	content simple
used by	element InterruptionPoint
facets	<ul style="list-style-type: none"> 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	<pre><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></pre>

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element JourneySection

diagram	<pre> classDiagram class JourneySection { <<Defines the data provided by the IMm for a journey section>> } class IntermediateDestination { <<A location on the route of a train>> } class IntermediateArrivalTime { <<The Date and Time of the train arrival at an Intermediate point on the train path>> } class IntermediateDepartureTime { <<The Date and Time of the train departure at an Intermediate point on the train path>> } class ResponsibilityActualSection { <<This element identifies the responsible RU or IM for the actual path section>> } class ResponsibilityNextSection { <<This element identifies the responsible RU and IM for the following path section>> } JourneySection "3..4" --> > IntermediateDestination JourneySection "3..4" --> > IntermediateArrivalTime JourneySection "3..4" --> > IntermediateDepartureTime JourneySection "3..4" --> > ResponsibilityActualSection JourneySection "3..4" --> > ResponsibilityNextSection </pre>
properties	content complex
children	IntermediateDestination IntermediateArrivalTime IntermediateDepartureTime ResponsibilityActualSection ResponsibilityNextSection
used by	elements AcceptedJourneySection RequestedJourneySection
source	<pre> <xsd:element name="JourneySection"> <xsd:annotation> <xsd:documentation>Defines the data provided by the IMm for a journey section</xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:sequence> <xsd:element ref="IntermediateDestination"/> <xsd:element ref="IntermediateArrivalTime"/> <xsd:element ref="IntermediateDepartureTime"/> <xsd:element ref="ResponsibilityActualSection"/> <xsd:element ref="ResponsibilityNextSection"/> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>

element **LastModifiedDateTime**

diagram	LastModifiedDateTime
	Date and Time of last update or modification of data
type	<u>DateTime</u>

properties	content simple
used by	elements LocationFileDataset LocationFileDatasetMessage LocationFileDataset/LocationSubsidiaryInformation LocationFileDatasetMessage/LocationSubsidiaryInformation
source	<pre><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></pre>

element LoadingGauge

diagram	 <p>The enlarged reference profile as defined in UIC Leaflet 506.</p>
type	restriction of IdentCode
properties	content simple
facets	enumeration GA enumeration GB enumeration GB1 enumeration GC enumeration G
source	<pre><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></pre>

element **Location**

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

element **LocationFileDataset**

diagram	<pre> classDiagram class LocationFileDataset { <<Data fields for the LocationIdent Reference File>> } class Location class PrimaryLocationName class ResponsibleIM class ValidityPeriod class LastModifiedDateTime class GeographicalCoordinates class LocationSubsidiaryInformation LocationFileDataset "1" --> "1" Location LocationFileDataset "1" --> "1" PrimaryLocationName LocationFileDataset "1" --> "1" ResponsibleIM LocationFileDataset "1" --> "1" ValidityPeriod LocationFileDataset "1" --> "1" LastModifiedDateTime LocationFileDataset "1" --> "1" GeographicalCoordinates LocationFileDataset "*" --> "0..1" LocationSubsidiaryInformation </pre>
properties	content complex
children	Location PrimaryLocationName ResponsibleIM ValidityPeriod LastModifiedDateTime GeographicalCoordinates LocationSubsidiaryInformation
source	<pre> <xsd:element name="LocationFileDataset"> <xsd:annotation> <xsd:documentation>Data fields for the LocationIdent Reference File </xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:sequence> <xsd:element ref="Location"/> <xsd:element ref="PrimaryLocationName"/> <xsd:element ref="ResponsibleIM"/> <xsd:element name="ValidityPeriod"> <xsd:complexType> <xsd:sequence> <xsd:element ref="StartDateTime"/> <xsd:element ref="EndDateTime"/> </xsd:sequence> </xsd:complexType> </xsd:element> <xsd:element ref="LastModifiedDateTime"/> <xsd:element ref="GeographicalCoordinates"/> <xsd:element name="LocationSubsidiaryInformation" minOccurs="0"> <xsd:complexType> <xsd:sequence> <xsd:element ref="LocationSubsidiaryCode"/> </xsd:sequence> </xsd:complexType> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>

	<pre> <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></pre>
--	--

element **LocationFileDataset/ValidityPeriod**

diagram	<pre> classDiagram class ValidityPeriod class StartDate class EndDate ValidityPeriod "0..1" -- "*" StartDate : ValidityPeriod "0..1" -- "*" EndDate : </pre>				
properties	<table border="1"> <tr> <td>isRef</td><td>0</td></tr> <tr> <td>content</td><td>complex</td></tr> </table>	isRef	0	content	complex
isRef	0				
content	complex				
children	StartTime EndTime				
used by	<table border="1"> <tr> <td>elements</td><td> CompanyFileDataset CompanyFileDatasetMessage LocationFileDataset/LocationSubsidiaryInformation LocationFileDatasetMessage/LocationSubsidiaryInformation </td></tr> </table>	elements	CompanyFileDataset CompanyFileDatasetMessage LocationFileDataset / LocationSubsidiaryInformation LocationFileDatasetMessage / LocationSubsidiaryInformation		
elements	CompanyFileDataset CompanyFileDatasetMessage LocationFileDataset / LocationSubsidiaryInformation LocationFileDatasetMessage / LocationSubsidiaryInformation				
source	<pre> <xs:element name="ValidityPeriod"> <xs:complexType> <xs:sequence> <xs:element ref="StartDate"/> <xs:element ref="EndDate"/> </xs:sequence> </xs:complexType> </xs:element></pre>				

element **LocationFileDataset/LocationSubsidiaryInformation**

diagram	<p>LocationSubsidiaryCode 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"</p> <p>LocationSubsidiaryName To be completed in an official language of the Country using the IOS Unicode alphabet</p> <p>AllocationAuthority</p> <p>ValidityPeriod ????? - ToDo</p> <p>LastModifiedDateTime Date and Time of last update or modification of data</p> <p>GeographicalCoordinates [TAP MOD] Longitude and latitude as defined in UIC Leafle 920-2</p>
properties	<p>isRef 0 minOcc 0 maxOcc 1 content complex</p>
children	<p>LocationSubsidiaryCode LocationSubsidiaryName AllocationAuthority ValidityPeriod LastModifiedDateTime GeographicalCoordinates</p>
source	<pre><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></pre>

element **LocationFileDataset/LocationSubsidiaryInformation/AllocationAuthority**

diagram	
type	<p>CompanyCode</p>

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

element **LocationFileDatasetMessage**

diagram	<pre> classDiagram class LocationFileDatasetMessage { <<Data fields for the LocationIdent Reference File>> } class MessageHeader class Location class PrimaryLocationName class ResponsibleIM class ValidityPeriod class LastModifiedDateTime class GeographicalCoordinates class LocationSubsidiaryInformation LocationFileDatasetMessage < -- MessageHeader LocationFileDatasetMessage < -- Location LocationFileDatasetMessage < -- PrimaryLocationName LocationFileDatasetMessage < -- ResponsibleIM LocationFileDatasetMessage < -- ValidityPeriod LocationFileDatasetMessage < -- LastModifiedDateTime LocationFileDatasetMessage < -- GeographicalCoordinates LocationFileDatasetMessage < -- LocationSubsidiaryInformation </pre>
properties	content complex
children	MessageHeader Location PrimaryLocationName ResponsibleIM ValidityPeriod LastModifiedDateTime GeographicalCoordinates LocationSubsidiaryInformation
source	<pre> <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:sequence> </xs:complexType> </xs:element> <xs:element ref="LastModifiedDateTime"/> <xs:element ref="GeographicalCoordinates"/> <xs:element ref="LocationSubsidiaryInformation"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <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> </pre>
--	---

element LocationFileDatasetMessage/ValidityPeriod

diagram	<pre> classDiagram class ValidityPeriod { <<ValidityPeriod>> } class StartDateTime { <<StartDateTime>> } class EndDateTime { <<EndDateTime>> } ValidityPeriod "1" -- "*" StartDateTime : ValidityPeriod "1" -- "*" EndDateTime : </pre> <p>The start of the date/time in effect</p> <p>The end date/time in effect</p>				
properties	<table border="1"> <tr> <td>isRef</td><td>0</td></tr> <tr> <td>content</td><td>complex</td></tr> </table>	isRef	0	content	complex
isRef	0				
content	complex				
children	StartDateTime EndDateTime				
used by	<table border="1"> <tr> <td>elements</td><td> CompanyFileDataset CompanyFileDatasetMessage LocationFileDataset/LocationSubsidiaryInformation LocationFileDatasetMessage/LocationSubsidiaryInformation </td></tr> </table>	elements	CompanyFileDataset CompanyFileDatasetMessage LocationFileDataset / LocationSubsidiaryInformation LocationFileDatasetMessage / LocationSubsidiaryInformation		
elements	CompanyFileDataset CompanyFileDatasetMessage LocationFileDataset / LocationSubsidiaryInformation LocationFileDatasetMessage / LocationSubsidiaryInformation				
source	<pre> <xs:element name="ValidityPeriod"> <xs:complexType> <xs:sequence> <xs:element ref="StartDateTime"/> <xs:element ref="EndDateTime"/> </xs:sequence> </xs:complexType> </xs:element> </pre>				

element **LocationFileDatasetMessage/LocationSubsidiaryInformation**

diagram	<pre> classDiagram class LocationSubsidiaryInformation { LocationSubsidiaryCode LocationSubsidiaryName AllocationAuthority ValidityPeriod LastModifiedDateTime GeographicalCoordinates } class LocationSubsidiaryCode class LocationSubsidiaryName class AllocationAuthority class ValidityPeriod class LastModifiedDateTime class GeographicalCoordinates </pre>								
properties	<table border="1"> <tr> <td>isRef</td><td>0</td></tr> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>complex</td></tr> </table>	isRef	0	minOcc	0	maxOcc	1	content	complex
isRef	0								
minOcc	0								
maxOcc	1								
content	complex								
children	<u>LocationSubsidiaryCode</u> <u>LocationSubsidiaryName</u> <u>AllocationAuthority</u> <u>ValidityPeriod</u> <u>LastModifiedDateTime</u> <u>GeographicalCoordinates</u>								
source	<pre> <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> </pre>								

element **LocationFileDatasetMessage/LocationSubsidiaryInformation/AllocationAuthority**

diagram	<pre> classDiagram class AllocationAuthority { CompanyCode } class CompanyCode </pre>
type	<u>CompanyCode</u>

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

element **LocationSubsidiaryCode**

diagram	<pre> classDiagram class LocationSubsidiaryCode { <<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">> } class LocationSubsidiaryTypeCode LocationSubsidiaryCode "1" -- "0..1" LocationSubsidiaryTypeCode </pre>
type	extension of String1-7
properties	content complex
used by	LocationFileDataset/LocationSubsidiaryInformation LocationFileDatasetMessage/LocationSubsidiaryInformation
source	<pre> <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> </pre>

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
source	<pre><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></pre>

element **LocationSubsidiaryName**

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

element **LocationTrack**

diagram	<p>The track of arrival and the track of departure of a train at a location</p>
	<p>ArrivalTrackAtLocation </p> <p>Identifies the track of the arrival of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode.</p> <p>DepartureTrackAtLocation </p> <p>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.</p>
properties	content complex
children	ArrivalTrackAtLocation DepartureTrackAtLocation

used by element [TrainLocationReport](#)

```
<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 **LcoIdent**

diagram	<p>[TAP MOD] Defines the actual Type, the number and the mode of deployment of a traction unit of the passenger train</p>
	<p>TractionType</p> <p>Identifies the type of a locomotive</p> <p>TractionIdent</p> <p>Identifies a locomotive by its traction unit service number</p> <p>TractionMode</p> <p>Identifies the mode of deployment of a traction within a train</p>
properties	content complex
children	TractionType TractionIdent TractionMode

used by element [TrainRunningTechData](#)

source	<pre><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></pre>
--------	---

element MaxAxeWeight

diagram	 <p>Maximum allowed axle weight for a wagon within a train. Unit in tonnes per axle</p>
type	restriction of xs:int
properties	content simple
used by	element TrainRunningTechData
source	<pre><xs:element name="MaxAxeWeight"> <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></pre>

element MessageHeader

diagram	<pre> classDiagram class MessageHeader { <<Used for all messages>> } class MessageStatus { <<Assigned by the Sender>> } class MessageReference { <<This element identifies the message>> } class Sender { <<The sender of the message>> } class Recipient { <<Receiver of the message>> } MessageHeader < -- MessageStatus MessageHeader < -- MessageReference MessageHeader --> Sender MessageHeader --> Recipient </pre>
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	<pre> <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> </pre>

element MessageIdent

diagram	<pre> classDiagram class MessageIdent { <<Number generated by the sender of the message>> } </pre>
type	Numeric1-6
properties	content simple
source	<pre> <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> </pre>

element **MessageQueue**

diagram	
properties	content complex
children	Company QueueType Direction
used by	elements CompanyFileDataset CompanyFileDatasetMessage
source	<pre> <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></pre>

element **MessageQueue/QueueType**

diagram					
type	restriction of xs:integer				
properties	<table border="1" style="display: inline-table;"> <tr> <td>isRef</td> <td>0</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table>	isRef	0	content	simple
isRef	0				
content	simple				

source	<pre><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></pre>
--------	--

element MessageQueue/Direction

diagram	
type	restriction of xs:string
properties	isRef 0 content simple
facets	enumeration I enumeration O
source	<pre><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></pre>

element MessageReference

diagram	<p>This element identifies the message</p> <p>MessageType + To indicate the message type transmitted or referred to</p> <p>MessageNumber</p> <p>MessageDateTime</p>
properties	content complex
children	MessageType MessageNumber MessageDateTime
used by	MessageHeader TrainReadyMessage
source	<pre><xs:element name="MessageReference"> <xs:annotation> <xs:documentation>This element identifies the message</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence></pre>

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	<pre style="margin: 0;"><code><xs:element ref="MessageType"/> <xs:element name="MessageNumber" type="Numeric1-6"/> <xs:element name="MessageDateTime" type="DateTime"/> </xs:sequence> </xs:complexType> </xs:element></code></pre>
--	---

element **MessageReference/MessageNumber**

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

element **MessageReference/MessageDateTime**

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

element **MESSAGES_MESSAGES_MESSAGES_MESSAGES_MESSAGES_MESSAGES_MESSAGES**

diagram	
source	<pre style="margin: 0;"><code><xs:element name="MESSAGES_MESSAGES_MESSAGES_MESSAGES_MESSAGES_MESSAGES_MESSAGES"> <xs:annotation> <xs:documentation># </xs:documentation> </xs:annotation> </xs:element></code></pre>

element **MessageStatus**

diagram	
type	restriction of IdentCode

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properties	content simple
used by	element MessageHeader
facets	enumeration 1 enumeration 2 enumeration 3
source	<pre><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></pre>

element **MessageType**

diagram	<pre> classDiagram class MessageType class MessageCode { <<attributes>> class MessageTypeCode { <<attributes>> } } MessageType "1" -- "1" MessageCode MessageCode "*" -- "1" MessageTypeCode </pre> <p>To indicate the message type transmitted or referred to</p>
type	MessageCode
properties	content complex
used by	element MessageReference
source	<pre><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></pre>

element **Name**

diagram	
type	FreeText
properties	content simple
used by	element AdministrativeContactInformation

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

element PathCancelledMessage

diagram	<p>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.</p>
properties	content complex
children	MessageHeader RelatedReference PathIdentity
source	<pre><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></pre>

element **PathConfirmedMessage**

diagram	<pre> classDiagram class PathConfirmedMessage { <<This message is used by the RU to confirm the proposed path of the IM (PathDetailsMessage) in response to an RUs Original Request>> } class MessageHeader class RelatedReference class PathIdentity PathConfirmedMessage < -- MessageHeader PathConfirmedMessage < -- RelatedReference PathConfirmedMessage < -- PathIdentity </pre> <p>This message is used by the RU to confirm the proposed path of the IM (PathDetailsMessage) in response to an RUs Original Request</p>
properties	content complex
children	MessageHeader RelatedReference PathIdentity
source	<pre> <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> </pre>

element **PathDeparturePoint**

diagram	<pre> classDiagram class PathDeparturePoint { <<Identifies the location where the proposed train will depart>> } class LocationIdent class CountryCodeUIC class LocationPrimaryCode class LocationSubsidiaryCode PathDeparturePoint < -- LocationIdent LocationIdent < -- CountryCodeUIC LocationIdent < -- LocationPrimaryCode LocationIdent < -- LocationSubsidiaryCode </pre> <p>Identifies the location where the proposed train will depart</p>
type	LocationIdent

properties	content complex
children	CountryCodeUIC LocationPrimaryCode LocationSubsidiaryCode
used by	element PathIdentity
source	<pre><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></pre>

element PathDepartureTime

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

element PathDestinationPoint

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

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

element PathDestinationTime

diagram	<p>The diagram shows a single rectangular box labeled "PathDestinationTime". Below the box is a brief description: "The arrival Date and Time for a train at the destination for which the path is requested at the path end point."</p>
type	DateTime
properties	content simple
used by	element PathIdentity
source	<pre><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></pre>

element PathDetailsMessage

diagram	<p>This diagram illustrates the structure of a PathDetailsMessage. It starts with a box labeled "PathDetailsMessage" connected via a sequence arrow to a "MessageHeader" box. A "RelatedReference" box is connected to the "MessageHeader". From "RelatedReference", a sequence arrow points to a "PathIdentity" box. Finally, a "AcceptedJourneySection" box is connected to the "PathIdentity" box via a sequence arrow with a multiplicity of "1..∞". To the left of the "PathDetailsMessage" box is a note: "This message is used by the IM to the RU confirming details of the path in response to an RU request".</p>
---------	---

properties	content complex
children	MessageHeader RelatedReference PathIdentity AcceptedJourneySection
source	<pre><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></pre>

element PathDetailsRefusedMessage

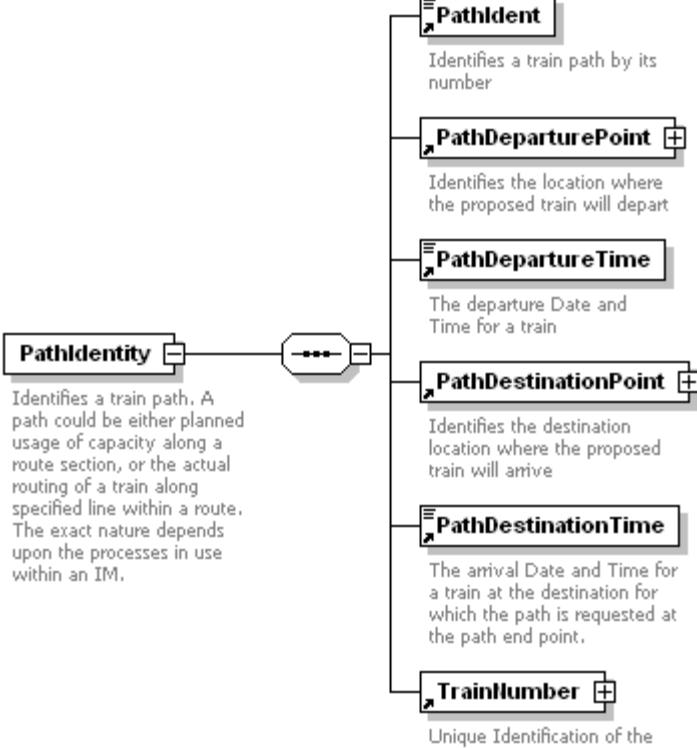
diagram	<pre> classDiagram class PathDetailsRefusedMessage class MessageHeader class RelatedReference class PathIdentity PathDetailsRefusedMessage "..." --> MessageHeader : PathDetailsRefusedMessage "..." --> RelatedReference : PathDetailsRefusedMessage "..." --> PathIdentity : </pre> <p>This message 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</p>
properties	content complex
children	MessageHeader RelatedReference PathIdentity
source	<pre><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></pre>

	<code></xs:complexType></code> <code></xs:element></code>
--	--

element **PathIdent**

diagram	 <p>Identifies a train path by its number</p>
type	restriction of PathIdent
properties	content simple
used by	element PathIdentity
source	<pre><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></pre>

element **PathIdentity**

diagram	 <p>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.</p>
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properties	content complex
children	PathIdent PathDeparturePoint PathDepartureTime PathDestinationPoint PathDestinationTime TrainNumber
used by	elements PathCancelledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage TrainReadyMessage
source	<pre><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></pre>

element PathNotAvailableMessage

diagram	<pre> classDiagram class PathNotAvailableMessage { <<This message is sent from an IM to an RU indicating that the booked path is not available (path cancelled by IM).>> } class MessageHeader class RelatedReference class PathIdentity class CauseDescription PathNotAvailableMessage < -- PathIdentity PathNotAvailableMessage --> MessageHeader PathNotAvailableMessage --> RelatedReference PathNotAvailableMessage --> CauseDescription </pre> <p>This message is sent from an IM to an RU indicating that the booked path is not available (path cancelled by IM).</p>
properties	content complex
children	MessageHeader RelatedReference PathIdentity CauseDescription
source	<pre><xs:element name="PathNotAvailableMessage"> <xs:annotation> <xs:documentation>This message is sent from an IM to an RU indicating that the booked path is</pre>

	<p>not available (path cancelled by IM).</xs:documentation></p> <pre></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></pre>
--	--

element **PathRequestMessage**

diagram	<pre> classDiagram class PathRequestMessage { MessageHeader PathIdentity RequestedJourneySection FreeTextField } RequestedJourneySection < -- FreeTextField RequestedJourneySection *-- "1..∞" RequestedJourneySection </pre>
properties	content complex
children	MessageHeader PathIdentity RequestedJourneySection FreeTextField
source	<pre> <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> </pre>

	</xs:element>
--	---------------

element **PhoneNumber**

diagram	 Generic Phone number in Free text
type	CommunicationRefID
properties	content simple
used by	element AdministrativeContactInformation

```
<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	 The postal code for the postal address
type	restriction of xs:string
properties	content simple
used by	element AddressInformation

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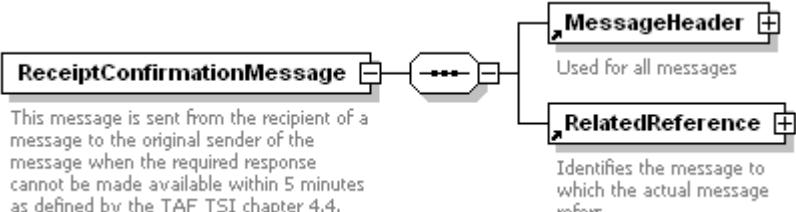
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type	FreeText
properties	content simple
used by	elements LocationFileDataset LocationFileDatasetMessage
source	<pre><xs:element name="PrimaryLocationName" type="FreeText"> <xs:annotation> <xs:documentation>Location Name in an official language of the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

element ReasonTime

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

element ReceiptConfirmationMessage

diagram	 <p>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.</p>
properties	content complex
children	MessageHeader RelatedReference
source	<pre><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></pre>

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

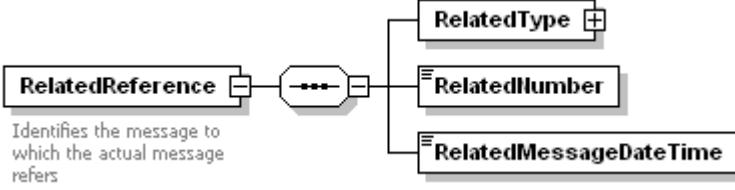
element Recipient

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

element RegistrationDate

diagram	 <p>Date that the equipment is approved for placing into service)</p>
type	xs:date
properties	content simple
source	<pre><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></pre>

element RelatedReference

diagram	 <p>Identifies the message to which the actual message refers</p>
properties	content complex

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children	RelatedType RelatedNumber RelatedMessageDateTime
used by	elements PathCancelledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage ReceiptConfirmationMessage TrainRunningInformationMessage
source	<pre><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></pre>

element RelatedReference/RelatedType

diagram	<pre> classDiagram class RelatedType { <<RelatedReference>> } class MessageCode { <<MessageCode>> <<attributes>> class MessageTypeCode { <<MessageTypeCode>> } } RelatedType "1" -- "0..1" MessageCode MessageCode "*" -- "1..*" MessageCode "1" -- "1..1" MessageTypeCode </pre>
type	MessageCode
properties	isRef 0 content complex
source	<xs:element name="RelatedType" type="MessageCode"/>

element RelatedReference/RelatedNumber

diagram	<pre> classDiagram class RelatedNumber { <<RelatedNumber>> } class RelatedNumber { <<Numeric1-6>> } RelatedNumber "1" -- "1..1" RelatedNumber </pre>
type	Numeric1-6
properties	isRef 0 content simple
source	<xs:element name="RelatedNumber" type="Numeric1-6"/>

element RelatedReference/RelatedMessageDateTime

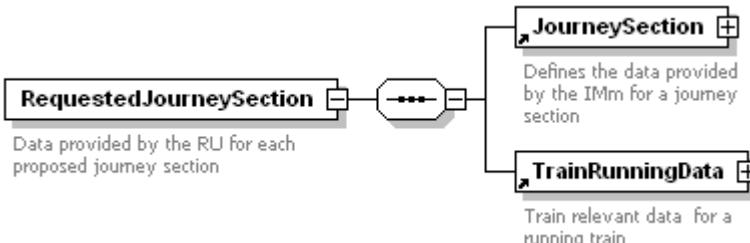
diagram	<pre> classDiagram class RelatedMessageDateTime { <<RelatedMessageDateTime>> } class RelatedMessageDateTime { <<DateTime>> } RelatedMessageDateTime "1" -- "1..1" RelatedMessageDateTime </pre>
type	DateTime

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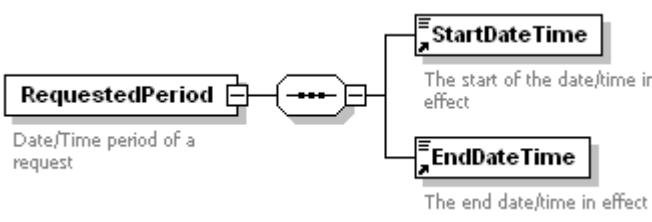
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properties	isRef 0 content simple
source	<xs:element name="RelatedMessageDateTime" type="DateTime"/>

element RequestedJourneySection

diagram	 <p>The diagram illustrates the structure of the RequestedJourneySection element. It is a composite element (indicated by a hollow rectangle) containing two other elements: JourneySection and TrainRunningData. JourneySection is described as defining data provided by the IIM for a journey section, while TrainRunningData is described as train relevant data for a running train.</p>
properties	content complex
children	JourneySection TrainRunningData
used by	PathRequestMessage
source	<pre><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></pre>

element RequestedPeriod

diagram	 <p>The diagram illustrates the structure of the RequestedPeriod element. It is a composite element (indicated by a hollow rectangle) containing two other elements: StartDateTime and EndDateTime. StartDateTime is described as the start of the date/time in effect, and EndDateTime is described as the end date/time in effect.</p>
properties	content complex
children	StartDateTime EndDateTime
source	<pre><xs:element name="RequestedPeriod"> <xs:annotation> <xs:documentation>Date/Time period of a request</xs:documentation> </xs:annotation> <xs:complexType></pre>

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

element ResponsibilityActualSection

diagram	<p>This element identifies the responsible RU or IM for the actual path section</p>
properties	content complex
children	ResponsibleRU ResponsibleIM
used by	element JourneySection
source	<pre> <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> </pre>

element ResponsibilityNextSection

diagram	<p>This element identifies the responsible RU and IM for the following path section</p>
properties	content complex
children	ResponsibleRU ResponsibleIM
used by	element JourneySection
source	<pre> <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> </pre>

	<pre> <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> </pre>
--	---

element ResponsibleIM

diagram	<p>The diagram shows a rectangular box with a double border. Inside, the text "ResponsibleIM" is written in a bold, black, sans-serif font. Below the box, the text "IM Responsible for reporting" is displayed in a smaller, gray font.</p>
type	CompanyCode
properties	content simple
used by	elements LocationFileDataset LocationFileDatasetMessage ResponsibilityActualSection ResponsibilityNextSection
source	<pre> <xs:element name="ResponsibleIM" type="CompanyCode"> <xs:annotation> <xs:documentation>IM Responsible for reporting</xs:documentation> </xs:annotation> </xs:element> </pre>

element ResponsibleRU

diagram	<p>The diagram shows a rectangular box with a double border. Inside, the text "ResponsibleRU" is written in a bold, black, sans-serif font. Below the box, the text "RU Responsible for the physical operation of the train or wagon" is displayed in a smaller, gray font.</p>
type	CompanyCode
properties	content simple
used by	elements ResponsibilityActualSection ResponsibilityNextSection
source	<pre> <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> </pre>

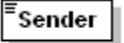
element **ScheduledLocationTime**

diagram	 ScheduledLocationTime Scheduled Date and Time of a train at a specified location
type	DateTime
properties	content simple
used by	element TrainLocationReport
source	<pre><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></pre>

element **ScheduledTimeAtHandover**

diagram	 ScheduledTimeAtHandover The scheduled departure date and time or the scheduled handover date and time at the border between two different IMs.
type	DateTime
properties	content simple
used by	element TrainIdentifier
source	<pre><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></pre>

element **Sender**

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

	</xs:element>
--	---------------

element **SIMPLE_TYPES_SIMPLE_TYPES_SIMPLE_TYPES_SIMPLE_TYPES_SIMPLE_TYPES_SIMPLE_TYPES**

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

element **StartDateTime**

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

element **TractionIdent**

diagram	<p>Identifies a locomotive by its traction unit service number</p>
type	WagonIdent
properties	content simple
used by	element LocIdent
source	<pre><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></pre>

element TractionMode

diagram	 <p>TractionMode Identifies the mode of deployment of a traction within a train</p>
type	restriction of IdentCode
properties	content simple
used by	element Locoldent
facets	enumeration 1 enumeration 2 enumeration 3 enumeration 4 enumeration 5 enumeration 6
source	<pre><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></pre>

element TractionType

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

element TrainAtLocation

diagram	<pre> classDiagram class TrainAtLocation { TrainNumber Location ArrivalTimeAtLocationActual } class TrainNumber { "Unique Identification of the Train" } class Location { "Identifies a Location using a LocationIdent" } class ArrivalTimeAtLocationActual { "The actual arrival date and time at the defined location" } TrainAtLocation < -- TrainNumber TrainAtLocation < -- Location TrainAtLocation < -- ArrivalTimeAtLocationActual </pre>
properties	content complex
children	TrainNumber Location ArrivalTimeAtLocationActual
source	<pre> <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> </pre>

element TrainCC_System

diagram	<pre> classDiagram class TrainCC_System { TrainRunningTechData } class TrainRunningTechData { "Type of Train Control System by code (UIC 407-1)" } </pre>
type	TrainCC_Syst
properties	content simple
used by	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	<pre><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></pre>

element **TrainContactIdent**

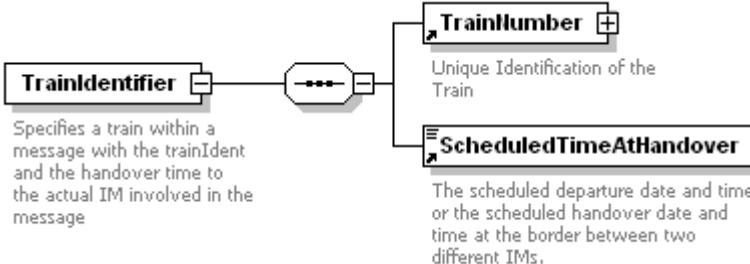
diagram	<p>The diagram shows the TrainContactIdent element. It consists of a rectangular box labeled TrainContactIdent with a small icon above it. A line connects this box to a larger rectangular box containing the element's documentation.</p> <p>TrainContactIdent Contact identity of the train to be used for all ship to shore communication with the train</p>
type	CommunicationRefID
properties	content simple
used by	TrainReadyMessage
source	<pre><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></pre>

element **TrainDelay**

diagram	<p>The diagram shows the TrainDelay element. It has a rectangular box labeled TrainDelay. A line connects this box to two other boxes: AgainstBooked and AgainstScheduled. Both of these boxes have small icons above them.</p> <p>TrainDelay Identifies the Delta delay time of a train against the booked schedule as well as against the re-scheduled time (against current schedule of multiple re-schedules)</p> <p>AgainstBooked Identifies the Delta delay time against the booked schedule in minutes</p> <p>AgainstScheduled Identifies the Delta delay time against re-scheduled time respectively against current schedule if multiple re-schedules</p>
properties	content complex
children	AgainstBooked AgainstScheduled
used by	TrainLocationReport
source	<pre><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-scheduled time (against current schedule of multiple re-schedules)</xs:documentation> </xs:annotation></pre>

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

element TrainIdentifier

diagram	 <p>The diagram illustrates the structure of the TrainIdentifier element. It is represented as a composite element with two parts: TrainNumber and ScheduledTimeAtHandover. TrainNumber is described as providing a unique identification of the train, while ScheduledTimeAtHandover is described as the scheduled departure date and time or the scheduled handover date and time at the border between two different IMs.</p>
properties	content complex
children	TrainNumber ScheduledTimeAtHandover
used by	elements TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage
source	<pre><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></pre>

element TrainJourneyStartTime

diagram	 <p>The diagram shows the TrainJourneyStartTime element as a simple element, represented by a rectangle with a single compartment.</p>
type	DateTime
properties	content simple
source	<pre><xs:element name="TrainJourneyStartTime" type="DateTime"> <xs:annotation> <xs:documentation>The precise time at which the train should present itself on the network</pre>

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

element TrainLength

diagram	<p>The calculated Length of a train (sum of all length over buffer of the wagons and traction units). Expressed in Metres</p>
type	Numeric4-4
properties	content simple
used by	element TrainRunningTechData
source	<pre><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></pre>

element TrainList

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

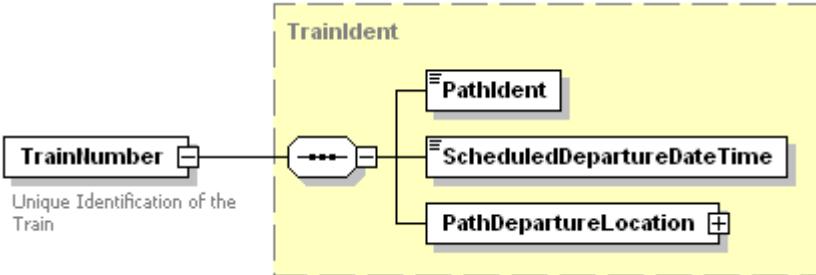
element **TrainLocationReport**

diagram	<pre> classDiagram class TrainLocationReport { <<Specifies the relevant running data of a train related to a specific location>> } class Location { <<Identifies a Location using a LocationIdent>> } class ActualLocationTime { <<Identifies the actual Date / Time at a specific reporting point>> } class ScheduledLocationTime { <<Scheduled Date and Time of a train at a specified location>> } class LocationTrack { <<The track of arrival and the track of departure of a train at a location>> } class TrainDelay { <<Identifies the Delta delay time of a train against the booked schedule as well as against the re-scheduled time (against current schedule of multiple re-schedules)>> } class DelayReasonTime { <<Identifies the delay of a train due to a specified reason. In addition it allows to put in a more detailed description>> } TrainLocationReport < -- Location TrainLocationReport --> ActualLocationTime TrainLocationReport --> ScheduledLocationTime TrainLocationReport --> LocationTrack TrainLocationReport --> TrainDelay TrainLocationReport --> DelayReasonTime *{0..∞} </pre>
properties	content complex
children	Location ActualLocationTime ScheduledLocationTime LocationTrack TrainDelay DelayReasonTime
used by	element TrainRunningInformationMessage
source	<pre> <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> </pre>

element TrainMaxSpeed

diagram	 <p>The max. possible speed of a train in km/h</p>
type	Speed
properties	content simple
used by	element TrainRunningTechData
source	<pre><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></pre>

element TrainNumber

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

element TrainRadioSystem

diagram	 <p>The on board radio system of the train in coded format</p>
type	restriction of IdentCode

properties	content simple
used by	element TrainRunningTechData
facets	enumeration 1 enumeration 2
source	<pre><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></pre>

element TrainReadyMessage

diagram	<p>This message is sent from an RLU to an IM indicating that the train is ready for access to the network.</p>
properties	content complex

children	MessageHeader MessageReference TrainContactIdent PathIdentity ControlContactIdent TrainStartTime
source	<pre><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></pre>

element TrainRunningData

diagram	<pre> classDiagram class TrainRunningData { <<Train relevant data for a running train>> } class TrainRunningTechData { <<Shows the relevant technical data for a running train>> } class ExceptionalGaugingInd { <<Indicates that an exceptional Gauging is in the train or for the wagon>> } class DangerousGoodsIndication { <<Identifies the Dangerous Goods by code>> } class ActivityType { <<[TAP MOD] Indicates certain treatments or operations required for a train, a wagon or a load>> } TrainRunningData --> TrainRunningTechData TrainRunningData --> ExceptionalGaugingInd TrainRunningData --> DangerousGoodsIndication TrainRunningData --> ActivityType </pre>
properties	content complex
children	TrainRunningTechData ExceptionalGaugingInd DangerousGoodsIndication ActivityType
used by	elements AcceptedJourneySection RequestedJourneySection
source	<pre><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"/></pre>

	<pre><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></pre>
--	---

element **TrainRunningForecastMessage**

diagram	<p>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</p>
properties	content complex
children	MessageHeader TrainIdentifier ForecastPoint
source	<pre><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></pre>

element TrainRunningInformationMessage

diagram	<p>This message is issued upon 1) Arrival, 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.</p>
properties	content complex
children	MessageHeader TrainIdentifier TrainLocationReport RelatedReference
source	<pre><xs:element name="TrainRunningInformationMessage"> <xs:annotation> <xs:documentation>This message is issued upon 1) Arrival, 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></pre>

element TrainRunningInterruptionMessage

diagram	<pre> classDiagram class TrainRunningInterruptionMessage class MessageHeader class TrainIdentifier class InterruptionPoint TrainRunningInterruptionMessage < -- MessageHeader TrainRunningInterruptionMessage < -- TrainIdentifier TrainRunningInterruptionMessage < -- InterruptionPoint </pre> <p>This message is issued from the IM to the neighbouring IM and to the path contracted RU if the train is cancelled due to a train related service disruption.</p>
properties	content complex
children	MessageHeader TrainIdentifier InterruptionPoint
source	<pre> <xs:element name="TrainRunningInterruptionMessage"> <xs:annotation> <xs:documentation>This message is issued from 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> </pre>

element **TrainRunningTechData**

diagram	<pre> graph TD TrainRunningTechData[TrainRunningTechData] --- TrainWeight[TrainWeight] TrainRunningTechData --- TrainLength[TrainLength] TrainRunningTechData --- LocIdent[LocIdent] TrainRunningTechData --- TrainCC_System[TrainCC_System] TrainRunningTechData --- TrainRadioSystem[TrainRadioSystem] TrainRunningTechData --- TrainMaxSpeed[TrainMaxSpeed] TrainRunningTechData --- MaxAxeWeight[MaxAxeWeight] TrainRunningTechData --- BrakeType[BrakeType] TrainRunningTechData --- BrakeWeight[BrakeWeight] TrainRunningTechData --- doc["Shows the relevant technical data for a running train"] </pre> <p>The diagram illustrates the structure of the TrainRunningTechData element. It is a complex type composed of several simple types and a documentation string. The components are:</p> <ul style="list-style-type: none"> TrainWeight: The sum of all weights of wagons and traction units. TrainLength: The calculated Length of a train (sum of all length over buffer of the wagons and traction units). Expressed in Metres. LocIdent: [TAP MOD] Defines the actual Type, the number and the mode of deployment of a traction unit of the passenger train. This field is marked with a multiplicity of 1..∞. TrainCC_System: Type of Train Control System by code (UIC 407-1). TrainRadioSystem: The on board radio system of the train in coded format. TrainMaxSpeed: The max. possible speed of a train in km/h. MaxAxeWeight: Maximum allowed axle weight for a wagon within a train. Unit in tonnes per axle. BrakeType: Type of braking system. BrakeWeight: Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes. <p>TrainRunningTechData also contains the following documentation string:</p> <p>Shows the relevant technical data for a running train</p>
properties	content complex
children	TrainWeight TrainLength LocIdent TrainCC_System TrainRadioSystem TrainMaxSpeed MaxAxeWeight BrakeType BrakeWeight
used by	element TrainRunningData
source	<pre> <xs:element name="TrainRunningTechData"> <xs:annotation> <xs:documentation>Shows the relevant technical data for a running train</xs:documentation> </xs:annotation> </xs:element> </pre>

	<pre> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TrainWeight"/> <xs:element ref="TrainLength"/> <xs:element ref="Locoldent" maxOccurs="unbounded"/> <xs:element ref="TrainCC_System"/> <xs:element ref="TrainRadioSystem"/> <xs:element ref="TrainMaxSpeed"/> <xs:element ref="MaxAxeWeight"/> <xs:element ref="BrakeType"/> <xs:element ref="BrakeWeight"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **TrainStartTime**

diagram	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> TrainStartTime </div> <p>The Date and Time at which the train actually started the journey</p>
type	<u>DateTime</u>
properties	content simple
used by	element <u>TrainReadyMessage</u>
source	<pre> <xs:element name="TrainStartTime" type="DateTime"> <xs:annotation> <xs:documentation>The Date and Time at which the train actually started the journey</xs:documentation> </xs:annotation> </xs:element> </pre>

element **TrainWeight**

diagram	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> TrainWeight </div> <p>The sum of all weights of wagons and traction units</p>
type	<u>WeightValueTonne</u>
properties	content simple
used by	element <u>TrainRunningTechData</u>
source	<pre> <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> </pre>

element ValidityPeriod

diagram	<pre> classDiagram class ValidityPeriod { <<ValidityPeriod>> <<????? - ToDo>> } class StartDateTime { <<StartDateTime>> <<The start of the date/time in effect>> } class EndDateTime { <<EndDateTime>> <<The end date/time in effect>> } ValidityPeriod "1" -- "*" StartDateTime : ValidityPeriod "1" -- "*" EndDateTime : </pre>
properties	content complex
children	StartDateTime EndDateTime
used by	elements CompanyFileDataset CompanyFileDatasetMessage LocationFileDataset / LocationSubsidiaryInformation LocationFileDatasetMessage / LocationSubsidiaryInformation
source	<pre> <xsd:element name="ValidityPeriod"> <xsd:annotation> <xsd:documentation>????? - ToDo </xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:sequence> <xsd:element ref="StartDateTime"/> <xsd:element ref="EndDateTime"/> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>

complexType DanGoodsType

diagram	<pre> classDiagram class DanGoodsType { <<DanGoodsType>> <<This element indicates the type of a dangerous load>> } class HazardNumber { <<HazardNumber>> } class UN_MaterialNumber { <<UN_MaterialNumber>> } class RID_Classification { <<RID_Classification>> } DanGoodsType "1" -- "*" HazardNumber : DanGoodsType "1" -- "*" UN_MaterialNumber : DanGoodsType "1" -- "*" RID_Classification : </pre>
children	HazardNumber UN_MaterialNumber RID_Classification
used by	element DangerousGoodsIndication
source	<pre> <xsd:complexType name="DanGoodsType"> <xsd:annotation> <xsd:documentation>This element indicates the type of a dangerous load</xsd:documentation> </xsd:annotation> <xsd:sequence> <xsd:element name="HazardNumber"> <xsd:simpleType> <xsd:restriction base="xs:string"> <xsd:length value="4"/> </xsd:restriction> </xsd:simpleType> </xsd:element> </xsd:sequence> </xsd:complexType> </pre>

	<pre> </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> </pre>
--	--

element DanGoodsType/HazardNumber

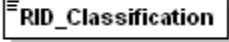
diagram					
type	restriction of xs:string				
properties	<table> <tr> <td>isRef</td> <td>0</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table>	isRef	0	content	simple
isRef	0				
content	simple				
source	<pre> <xs:element name="HazardNumber"> <xs:simpleType> <xs:restriction base="xs:string">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

element DanGoodsType/UN_MaterialNumber

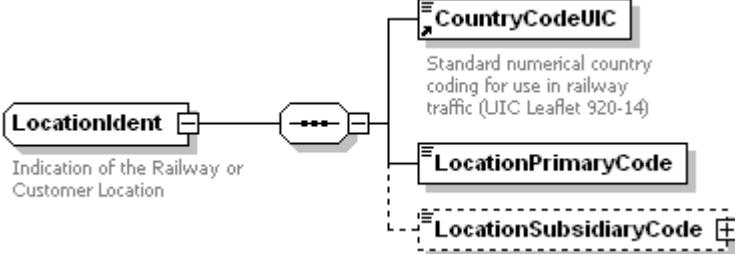
diagram					
type	restriction of xs:integer				
properties	<table> <tr> <td>isRef</td> <td>0</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table>	isRef	0	content	simple
isRef	0				
content	simple				
source	<pre> <xs:element name="UN_MaterialNumber"> <xs:simpleType> <xs:restriction base="xs:integer">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

	</xs:element>
--	---------------

element **DanGoodsType/RID_Classification**

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

complexType **LocationIdent**

diagram	
children	CountryCodeUIC LocationPrimaryCode LocationSubsidiaryCode
used by	elements ArrivalTrackAtLocation DepartureJourneyTrack DepartureTrackAtLocation IntermediateDestination Location TrainIdent/Path DepartureLocation PathDeparturePoint PathDestinationPoint
source	<pre><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:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType></pre>

	<pre> <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> </pre>
--	--

element LocationIdent/LocationPrimaryCode

diagram	
type	Numeric1-5
properties	isRef 0 minOcc 0 maxOcc 1 content simple
source	<pre><xs:element name="LocationPrimaryCode" type="Numeric1-5"/></pre>

element LocationIdent/LocationSubsidiaryCode

diagram	
type	extension of String1-7
properties	isRef 0 minOcc 0 maxOcc 1 content complex
used by	LocationFileDataset/LocationSubsidiaryInformation LocationFileDatasetMessage/LocationSubsidiaryInformation
source	<pre> <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"/> </pre>

	<pre> <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></pre>
--	---

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	<pre> <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></pre>

complexType MessageCode

diagram	<p>MessageCode Identifies the type of message</p>
used by	elements MessageType RelatedReference/RelatedType
source	<pre><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></pre>

attribute MessageCode/@MessageTypeCode

type	restriction of IdentCode
properties	isRef 0 use required
facets	enumeration 01 enumeration 02
source	<pre><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></pre>

complexType TrainIdnt

diagram	<p>TrainIdnt Unique identification of a contracted train. This is not the Train Service Number.</p>
children	PathIdnt ScheduledDepartureDateTime PathDepartureLocation
used by	elements TrainList TrainNumber

source	<pre><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></pre>
--------	---

element TrainIdent/PathIdent

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

element TrainIdent/ScheduledDepartureDateTime

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

element **TrainIdent/PathDepartureLocation**

diagram	<pre> classDiagram class PathDepartureLocation class LocationIdent { <<LocationIdent>> <<CountryCodeUIC>> <<LocationPrimaryCode>> <<LocationSubsidiaryCode>> } PathDepartureLocation --> LocationIdent LocationIdent < -- CountryCodeUIC LocationIdent < -- LocationPrimaryCode LocationIdent < -- LocationSubsidiaryCode </pre>
type	LocationIdent
properties	isRef 0 content complex
children	CountryCodeUIC LocationPrimaryCode LocationSubsidiaryCode
source	<xs:element name="PathDepartureLocation" type="LocationIdent"/>

complexType **YesNoIndicator**

diagram	<pre> classDiagram class YesNoIndicator { <<YesNoIndicator>> <<attributes>> <<YesNo>> } YesNoIndicator < -- attributes YesNoIndicator < -- YesNo </pre>
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

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	enumeration Unknown
source	<pre><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></pre>

simpleType **ActivityCode**

type	IdentCode
used by	element ActivityType
source	<pre><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></pre>

simpleType **CommunicationRefID**

type	restriction of xs:string
used by	elements ControlContactIdent eMail FaxNumber PhoneNumber TrainContactIdent
source	<pre><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></pre>

simpleType **CompanyCode**

type	restriction of Numeric4-4
used by	elements LocationFileDataset/LocationSubsidiaryInformation/AllocationAuthority LocationFileDatasetMessage/LocationSubsidiaryInformation/AllocationAuthority Company Recipient ResponsibleIM ResponsibleRU Sender
source	<pre><xs:simpleType name="CompanyCode"> <xs:annotation> <xs:documentation>Identifies the RU, IM or other company involved in the Rail Transport Chain</xs:documentation></pre>

	<pre></xs:annotation> <xs:restriction base="Numeric4-4"> <xs:minInclusive value="0001"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType></pre>
--	---

simpleType **CountryIdentISO**

type	restriction of xs:string
used by	element CountryCodeISO
source	<pre><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></pre>

simpleType **DateTime**

type	xs:dateTime
used by	elements ActualEndTime ActualLocationTime ArrivalTimeAtLocationActual CreateDateTime EndDateTime EstimatedEndDateTime ForecastTime IntermediateArrivalTime IntermediateDepartureTime LastModifiedDateTime MessageReference/MessageDateTime PathDepartureTime PathDestinationTime RelatedReference/RelatedMessageDateTime TrainIdent/ScheduledDepartureDateTime ScheduledLocationTime ScheduledTimeAtHandover StartDateTime TrainJourneyStartTime TrainStartTime
source	<pre><xs:simpleType name="DateTime"> <xs:annotation> <xs:documentation>All dates/times are in UTC, time differences according the time zones must be handled in the individual systems</xs:documentation> </xs:annotation> <xs:restriction base="xs:dateTime"/> </xs:simpleType></pre>

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	<pre><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"/></pre>

	<pre><xs:enumeration value="16"/> <xs:enumeration value="17"/> <xs:enumeration value="18"/> <xs:enumeration value="19"/> <xs:enumeration value="20"/> <xs:enumeration value="21"/> <xs:enumeration value="22"/> <xs:enumeration value="24"/> <xs:enumeration value="25"/> <xs:enumeration value="26"/> <xs:enumeration value="27"/> <xs:enumeration value="28"/> <xs:enumeration value="29"/> <xs:enumeration value="31"/> <xs:enumeration value="30"/> <xs:enumeration value="32"/> <xs:enumeration value="33"/> <xs:enumeration value="34"/> <xs:enumeration value="39"/> <xs:enumeration value="40"/> <xs:enumeration value="41"/> <xs:enumeration value="42"/> <xs:enumeration value="43"/> <xs:enumeration value="49"/> <xs:enumeration value="50"/> <xs:enumeration value="51"/> <xs:enumeration value="52"/> <xs:enumeration value="53"/> <xs:enumeration value="54"/> <xs:enumeration value="59"/> <xs:enumeration value="60"/> <xs:enumeration value="61"/> <xs:enumeration value="62"/> <xs:enumeration value="63"/> <xs:enumeration value="64"/> <xs:enumeration value="65"/> <xs:enumeration value="66"/> <xs:enumeration value="70"/> <xs:enumeration value="69"/> <xs:enumeration value="71"/> <xs:enumeration value="72"/> <xs:enumeration value="73"/> <xs:enumeration value="74"/> <xs:enumeration value="75"/> <xs:enumeration value="76"/> <xs:enumeration value="79"/> <xs:enumeration value="80"/> <xs:enumeration value="81"/> <xs:enumeration value="82"/> <xs:enumeration value="83"/> <xs:enumeration value="84"/> <xs:enumeration value="85"/> <xs:enumeration value="86"/></pre>
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	<pre><xs:enumeration value="89"/> </xs:restriction> </xs:simpleType></pre>
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simpleType **DeltaTime**

type	restriction of xs:string
used by	elements AgainstBooked AgainstScheduled ReasonTime
source	<pre><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></pre>

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	<pre><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></pre>

simpleType **IdentCode**

type	xs:string
used by	elements BrakeType LoadingGauge MessageStatus TractionMode TrainRadioSystem ActivityCode DelayCode TrainCC Syst simpleTypes LocationSubsidiaryCode/@LocationSubsidiaryTypeCode attributes LocationIdent/LocationSubsidiaryCode/@LocationSubsidiaryTypeCode MessageCode/@MessageTypeCode YesNoIndicator/@YesNo
source	<pre><xs:simpleType name="IdentCode"> <xs:annotation> <xs:documentation>Enumerated value</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"/></pre>

	<code></xs:simpleType></code>
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simpleType **InfoIndex**

type	restriction of xs:string
used by	element ExceptionalGaugingInd
facets	enumeration 10 enumeration 20 enumeration 30
source	<pre><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></pre>

simpleType **Name**

type	restriction of xs:string
used by	elements CompanyFileDataset/CompanyName CompanyFileDatasetMessage/CompanyName
source	<pre><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></pre>

simpleType **Numeric1-5**

type	restriction of xs:positiveInteger
used by	element LocationIdent/LocationPrimaryCode
source	<pre><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></pre>

simpleType Numeric1-6

type	restriction of xs:int
used by	elements MessageIdent MessageReference/MessageNumber RelatedReference/RelatedNumber
source	<pre><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></pre>

simpleType Numeric2-2

type	restriction of xs:integer
used by	elements CountryCodeUIC TractionType
source	<pre><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></pre>

simpleType Numeric3-3

type	restriction of xs:integer
used by	simpleType Speed
source	<pre><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></pre>

simpleType Numeric4-4

type	restriction of xs:integer
used by	element TrainLength

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	<p>simpleType CompanyCode</p>
source	<pre><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></pre>

simpleType [PathIdent](#)

type	restriction of String5-6
used by	elements PathIdent TrainIdent/PathIdent
source	<pre><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></pre>

simpleType [Speed](#)

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

simpleType [String1-14](#)

type	restriction of xs:string
source	<pre><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></pre>

	<code></xs:simpleType></code>
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simpleType String1-5

type	restriction of xs:string
source	<pre><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></pre>

simpleType String1-7

type	restriction of xs:string
used by	elements LocationSubsidiaryCode LocationIdent/LocationSubsidiaryCode
source	<pre><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></pre>

simpleType String1-8

type	restriction of xs:string
source	<pre><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></pre>

simpleType String5-5

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

	<pre> <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> </pre>
--	---

simpleType String5-6

type	restriction of xs:string
used by	simpleType PathIdent
source	<pre> <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> </pre>

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

	<pre> <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></pre>
--	--

simpleType **WagonIdent**

type	restriction of xs:string
used by	element TractionIdent
source	<pre> <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></pre>

simpleType **WeightValueTonne**

type	restriction of xs:int
used by	element TrainWeight
source	<pre> <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></pre>

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