

Technical document

TAF TSI — ANNEX D.2: APPENDIX F — TAF TSI DATA AND MESSAGE MODEL

*In the Document History table, version are identified as x.n where
“x” is a correlative number assigned to an approved version when reaching a main milestones
“n” is a correlative number assigned to draft versions, starting by 1. “n”=0 means version approved
Information related to previous draft versions (i.e. 0.1, 0.2 etc.) shall be deleted from the table when a subsequent approved version is issued.*

Document History

Version	Date	Comments
1.0	25.01.2011	Initial version
1.1	15.05.2012	New TAF TSI baseline 5.2
2.0	08.08.2013	All the chapters were revised due to the TAF TSI Revision Process and the TAF TSI CCM WP cycle 2012 – 2013. New TAF TSI baseline 5.3.
2.0	17.10.2013	Validated by the ERA TAF CCB on 11.09.2013

2.1	10.02.2015	All the chapters were revised due to the TAF TSI CCM WP cycle 2013 – 2014. Validated by the ERA TAF CCB on 10.02.2015. New TAF TSI baseline 2.1
2.2	18.03.2018	New TAF TSI baseline 2.2
2.2.2	16.06.2018	Validated by the ERA TAF CCB on 31.05.2018.
2.3.0	30.11.2018	Validated by the ERA TAF CCB on 28.11.2018.
2.3.1	16.04.2020	Hotfix 2.3.1
2.4.0	27.05.2020	Validated by the ERA TAF CCB on 27.05.2020
2.4.1	03.09.2020	Hotfix 2.4.1
2.5.0	15.12.2020	Validated by the ERA TAF CCB on 25.11.2020
3.0.0	15.06.2021	Validated by the ERA TAF CCB on 26.05.2021
3.1.0	15.12.2021	Validated by the ERA TAF CCB on 24.11.2021

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Application:

With effect from 08 March 2012.

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

1. Summary

The following document is a complete list of data elements and messages defined in the TAF-TSI data catalogue. It is represented in XML format.

This catalogue shall be used as a basis for message development. During the course of the technical specifications and the implementation phase, this catalogue may be modified and/or amended.

All the elements listed in appendixes B, C and D are contained within this catalogue and described in detail.

The TAF TSI data catalogue is split into two documents:

- › The schema TAF_CAT_COMPLETE.XSD, containing the messages and the main data elements of the TAF TSI
- › The schema TAF_CAT_CODELIST.XSD, containing the code lists of the TAF TSI

In accordance with Commission Regulation (EU) 2015/302 of 25 February 2015 amending Regulation (EU) No 454/2011 on the technical specification for interoperability relating to the subsystem ‘telematics applications for passenger services’, the technical document TAP TSI Technical Document B.30 attached to TAP TSI refers to the TAF TSI data catalogue. Therefore, for TAF TSI and TAP TSI there will share a unique RU/IM communication catalogue.

2. Schema taf_cat_complete.xsd

schema location:

[C:\Users\jugelst\OneDrive - European Union Agency for Railways \(ERA\)\Documents\Projects\TAF-TSI\taf_cat_complete.xsd](C:\Users\jugelst\OneDrive - European Union Agency for Railways (ERA)\Documents\Projects\TAF-TSI\taf_cat_complete.xsd)

attributeFormDefault:

unqualified

elementFormDefault:

qualified

targetNamespace:

<http://www.era.europa.eu/schemes/TAFTSI/3.1>

Elements	Complex types	Simple types	Attributes
ActualEndDateTime	CargoCodeType	CommunicationRefID	CI_InstanceNumber
ActualIETA	CompositeIdentifierOperationalType	CompanyCode	
ActualETI	CompositeIdentifierPlannedType	CountryIdentISO	
AdditionalInstruction	ConsignmentIdent	DeltaTime	
Address	CustomerCode	DerailmentDetectionDevice	
AdministrativeContactInformation	DanGoodsType	EquipmentNumberType	
AffectedSection	DimensionValue	EquipmentTypeType	
AgainstBooked	LocationIdent	ForwardingRestrictionType	
AgainstReferenced	TrainActivityType	FreeText	
AgreedTimeOfDelivery	ValidityPeriod	Name	
AirBrake	WagonTelematics	NHMCodeType	

AirBrakedMass	Numeric1-5
AlertMessage	Numeric1-6
AllocationCompany	Numeric2-2
ArrivalAtDestination	Numeric3-3
ArrivalInterchangeReport	Numeric4-4
ArrivalTimeAtDestination	Percentage
ArrivalTimeAtLocation	Speed
ArrivalTimeAtLocationActual	String1-10
ArrivalTrackAtLocation	String1-14
AssociatedAttachedOTN	String1-5
AssociatedAttachedTimingAtLocation	String1-7
AssociatedAttachedTrainID	String1-8
AssociatedAttachedTrainServiceNumber	String4-4
BitmapDays	String5-5
BogiePitch	String5-8
BookedLocationDateTime	Time
BookedLocationTime	VolumeValue
BrakeWeight	WagonIdent
BrakingRatio	WeightValueKilo
ChangeofTrackMessage	WeightValueTonne
CityTown	
ClosingTime	
Coasting	
Comments	
CommitmentETA	
Company	
ConsignmentNumber	
ConsignmentOrderMessage	
ContainerHandlingFlag	
ContractNumber	
ContractNumberMovement	
CoordinatingIM	
Core	
CountryCodeISO	
CreateDateTime	
Customer	
CustomerNumber	
Customers	
DangerousGoodsIndication	
DangerousGoodsIndicator	
DangerousGoodsVolume	
DangerousGoodsWeight	
Date	
DateLastOverhaul	
DateNextOverhaul	
DatePutIntoService	
DeclarationText	
DelayCause	

[DelayCauseTime](#)
[DelayCodingDateTime](#)
[DelayEventDateTime](#)
[DelayEventReport](#)
[DelayLocation](#)
[DelayMinutes](#)
[DeliveryAtDestination](#)
[DeliveryReference](#)
[DeliveryTimeAtDestination](#)
[DeliveryTimeAtInterchange](#)
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[DepartureJourneyTrack](#)
[DepartureTimeAtLocation](#)
[DepartureTrackAtLocation](#)
[Destination](#)
[Dimensions](#)
[DwellTime](#)
[eMail](#)
[EmergencyBrakeOverride](#)
[EndDate](#)
[EndDateTime](#)
[EndLocation](#)
[ErrorMessage](#)
[EstimatedEndDateDateTime](#)
[ExceptionalGaugingCode](#)
[ExceptionalGaugingIdent](#)
[ExceptionalGaugingInd](#)
[ExceptionalGaugingProfile](#)
[ExceptionPoint](#)
[ExceptionReason](#)
[ExceptionTimeAtLocation](#)
[FaxNumber](#)
[FerryPermittedFlag](#)
[FreeTextField](#)
[FreightFlag](#)
[GeographicalCoordinates](#)
[GeographicCoordinates](#)
[GeoLocalisation](#)
[GeoLocalisationOnNetwork](#)
[GNSS_DynamicPosition](#)
[Goods](#)
[GoodsDescription](#)
[GoodsInWagon](#)
[GrossWeight](#)
[HandBrake](#)
[HandlingInstruction](#)
[HandoverPointFlag](#)
[Height](#)

[HighestPlannedSpeed](#)[Identifiers](#)[IM_Partner](#)[ImpactedRU](#)[IntermediateDestination](#)[InternalReferenceIdentifier](#)[InterruptionDateTime](#)[InterruptionDescription](#)[InterruptionInformation](#)[InterruptionPoint](#)[InterruptionReason](#)[ITU](#)[ITU_Details](#)[ITU_Type](#)[JourneySection](#)[JourneySectionDestination](#)[JourneySectionOrigin](#)[KeeperShortNameVKM](#)[LastModifiedDateTime](#)[Latitude](#)[LeadRU](#)[Length](#)[LengthOfSetOfCarriages](#)[LengthOverBuffers](#)[LoadArea](#)[LoadingCapacity](#)[LoadingFacility](#)[LoadingStatus](#)[LoadingTackles](#)[Location](#)[LocationActualTrack](#)[LocationDateTime](#)[LocationFileDatasetMessage](#)[LocationModified](#)[LocationPlannedTrack](#)[LocationPrimaryCode](#)[LocationPrimaryInformation](#)[LocationPrimaryName](#)[LocationSubsidiaryCode](#)[LocationSubsidiaryIdentification](#)[LocationSubsidiaryInformation](#)[LocationSubsidiaryName](#)[LocationValidityPeriod](#)[LocoNumber](#)[LocoTypeNumber](#)[Longitude](#)[MaxAxeWeight](#)[MaxDesignSpeed](#)

[MaxGrossWeight](#)
[MaxLengthOfLoad](#)
[MaxTemp](#)
[Measure](#)
[MessageDateTimeCreated](#)
[MessageHeader](#)
[MessageIdentifier](#)
[MessageReference](#)
[MessageRoutingID](#)
[MessageType](#)
[MessageTypeVersion](#)
[MinBrakedWeightPercent](#)
[MinCurveRadius](#)
[MinTemp](#)
[MinVerticalRadiusYardHump](#)
[ModificationReason](#)
[ModificationStatusIndicator](#)
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[NetworkSpecificParameter](#)
[NextIntermediateDestination](#)
[NextResponsibleRU](#)
[NHM Code](#)
[Noise](#)
[NoiseByPassLimit](#)
[NumberOfAxles](#)
[NumberOfBogies](#)
[NumberOfVehicles](#)
[ObjectType](#)
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[OffsetToReference](#)
[OnDemandPath](#)
[OperationalTrainNumber](#)
[OperationalTrainNumberIdentifier](#)
[OriginCountry](#)
[OverhaulValidityPeriod](#)
[ParkingBrakeForce](#)
[PassengerFlag](#)
[PathCanceledMessage](#)
[PathConfirmedMessage](#)
[PathDetailsMessage](#)
[PathDetailsRefusedMessage](#)
[PathInformation](#)
[PathNotAvailableMessage](#)
[PathRequestMessage](#)
[PermittedTolerance](#)
[PhoneNumber](#)
[PickupTimeAtLocation](#)

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[PlannedDateNextOverhaul](#)
[PlannedJourneyLocation](#)
[PlannedSpeed](#)
[PlannedTrainData](#)
[PlannedTrainTechnicalData](#)
[PlannedTransportIdentifiers](#)
[PostalCode](#)
[PreArrangedPath](#)
[PreviousConsignmentNumber](#)
[PreviousResponsibleRU](#)
[PrimaryLocationName](#)
[ProductionStation](#)
[PushPullTrain](#)
[Quantity](#)
[ReceiptConfirmationMessage](#)
[Recipient](#)
[ReferencedLocationDateTime](#)
[ReferenceNumbers](#)
[ReferenceOTN](#)
[ReferenceTrainIDSubCalendar](#)
[RelatedIdentifier](#)
[RelatedPlannedTransportIdentifiers](#)
[RelatedReference](#)
[RelatedSenderReference](#)
[RelatedTransportOperationalIdentifiers](#)
[Remarks](#)
[RequestedCalendar](#)
[RequestedPeriod](#)
[RequestedTimeframe](#)
[ResponsibilityActualSection](#)
[ResponsibilityNextSection](#)
[ResponsibleApplicant](#)
[ResponsibleIM](#)
[ResponsibleRU](#)
[RestrictionsDueToLoadOrDamage](#)
[RevisedRequest](#)
[RID](#)
[RollingRoadUnit](#)
[RollingStockDataset](#)
[RollingStockDatasetMessage](#)
[RollingStockDatasetQueryMessage](#)
[RouteInformation](#)
[Routing](#)
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[RU Partner](#)
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[ScheduledTimeAtHandover](#)

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[TrainActivityType](#)
[TrainAtLocation](#)
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[TrainCompositionJourneySection](#)
[TrainCompositionMessage](#)
[TrainContactDetails](#)
[TrainDelay](#)
[TrainDelayCauseMessage](#)
[TrainForecastAtReportingLocationMessage](#)
[TrainID](#)
[TrainInformation](#)
[TrainJourneyModification](#)
[TrainJourneyModificationIndicator](#)
[TrainJourneyModificationMessage](#)
[TrainJourneyModificationTime](#)
[TrainJourneyStartTime](#)
[TrainLength](#)
[TrainLocationReport](#)
[TrainLocationStatus](#)
[TrainMaxSpeed](#)
[TrainNotAtInterruptionPoint](#)
[TrainOperationalIdentification](#)
[TrainReadyMessage](#)
[TrainReadyStatus](#)
[TrainRunningData](#)
[TrainRunningForecastMessage](#)

[TrainRunningInformationMessage](#)[TrainRunningInterruptionMessage](#)[TrainRunningTechData](#)[TrainStartTime](#)[TrainWeight](#)[TransfereeIM](#)[TransferPoint](#)[TransportInstruction](#)[TransportOperationalIdentifiers](#)[TypeOfIMHarmonization](#)[TypeOfInformation](#)[TypeOfRequest](#)[TypeOfRUHarmonization](#)[TypeofService](#)[UltimateDestinationCountry](#)[UN_Number](#)[ValidityPeriod](#)[Value](#)[Variant](#)[VesselIndication](#)[VesselName](#)[Volume](#)[WagonArrivalNoticeMessage](#)[WagonAtDeparture](#)[WagonData](#)[WagonDeliveryNoticeMessage](#)[WagonDepartureNoticeMessage](#)[WagonDeviationMessage](#)[WagonETI ETA Message](#)[WagonEventInformation](#)[WagonExceptionMessage](#)[WagonExceptionReasonMessage](#)[WagonExceptionReport](#)[WagonInformation](#)[WagonLength](#)[WagonLocationStatus](#)[WagonMaxSpeed](#)[WagonNumberFreight](#)[WagonNumberOfAxles](#)[WagonOperationalData](#)[WagonPickupAtOrigin](#)[WagonReleaseNoticeMessage](#)[Wagons](#)[WagonTechData](#)[WagonTrainPosition](#)[WagonWeightEmpty](#)[WagonYardArrivalMessage](#)[WagonYardDepartureMessage](#)

[WeightOfSetOfCarriages](#)[WheelDiameter](#)[WheelsetGauge](#)[Width](#)[WIMO Dataset](#)[YardArrival](#)[YardDeparture](#)

element **ActualEndTime**

diagram	 ActualEndTime Identifies the actual date and time of arrival of the Wagon or Unit on the final destination of the customer siding.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
annotation	documentation Identifies the actual date and time of arrival of the Wagon or Unit on the final destination of the customer siding.
source	<pre><xs:element name="ActualEndTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Identifies the actual date and time of arrival of the Wagon or Unit on the final destination of the customer siding.</xs:documentation> </xs:annotation> </xs:element></pre>

element **ActualETA**

diagram	 ActualETA Identifies the actual ETA date and time of arrival of the Wagon or Unit on the final destination of the customer siding.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element AlertMessage
annotation	documentation Identifies the actual ETA date and time of arrival of the Wagon or Unit on the final destination of the customer siding.
source	<pre><xs:element name="ActualETA" type="xs:dateTime"> <xs:annotation> <xs:documentation>Identifies the actual ETA date and time of arrival of the Wagon or Unit on the final destination of the customer siding.</xs:documentation> </xs:annotation> </xs:element></pre>

element **ActualETI**

diagram	 ActualETI Identifies the actual valid estimated date and time of interchange of the Wagon or Unit at an interchange point
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element WagonDeviationMessage
annotation	documentation Identifies the actual valid estimated date and time of interchange of the Wagon or Unit at an interchange point
source	<pre><xs:element name="ActualETI" type="xs:dateTime"> <xs:annotation> <xs:documentation>Identifies the actual valid estimated date and time of interchange of the Wagon or Unit at an interchange point</xs:documentation> </xs:annotation> </xs:element></pre>

element **AdditionalInstruction**

diagram	 AdditionalInstruction Additional instructions regarding the wagon or shipment in free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Additional instructions regarding the wagon or shipment in free text
source	<pre><xs:element name="AdditionalInstruction" type="FreeText"> <xs:annotation> <xs:documentation>Additional instructions regarding the wagon or shipment in free text</xs:documentation> </xs:annotation> </xs:element></pre>

element **Address**

diagram	 Address Generic postal address in clear text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple

used by	element AdministrativeContactInformation
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Generic postal address in clear text
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 [AdministrativeContactInformation](#)

diagram	<p>The diagram illustrates the structure of the <code>AdministrativeContactInformation</code> element. It is a complex type composed of a sequence of six elements: <code>Name</code>, <code>Address</code>, <code>eMail</code>, <code>PhoneNumber</code>, <code>FaxNumber</code>, and <code>FreeTextField</code>. Each child element is associated with a specific annotation describing its purpose.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Name Address eMail PhoneNumber FaxNumber FreeTextField
used by	elements Customers ErrorMessage LoadingFacility PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage
annotation	documentation Used to define administrative contact information
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 **AffectedSection**

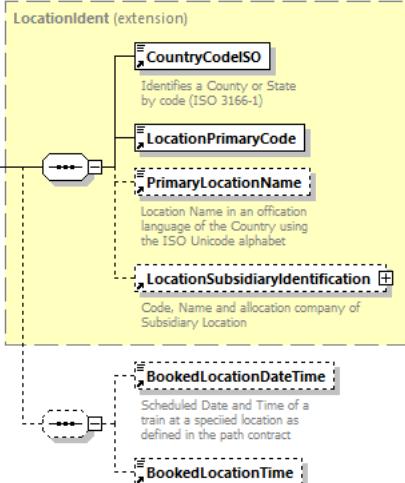
diagram	<p>The diagram illustrates the structure of the AffectedSection element. It is a central node connected to five other nodes: StartOfSection, EndOfSection, OperationalTrainNumberIdentifier, PlannedCalendar, and NetworkSpecificParameter. StartOfSection and EndOfSection are simple boxes. OperationalTrainNumberIdentifier is enclosed in a dashed box. PlannedCalendar has a small icon next to it. NetworkSpecificParameter is also enclosed in a dashed box and includes a multiplicity of "0..oo". Below the diagram, there is explanatory text for each associated element.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	StartOfSection EndOfSection OperationalTrainNumberIdentifier PlannedCalendar NetworkSpecificParameter
used by	elements PathCanceledMessage PathConfirmedMessage PathDetailsRefusedMessage PathNotAvailableMessage ReceiptConfirmationMessage
annotation	<p>documentation</p> <p>Indication for the recipient if not the entire path is affected, e.g. in case of a partial cancelation for the last part of the path</p>
source	<pre> <xs:element name="AffectedSection"> <xs:annotation> <xs:documentation>Indication for the recipient if not the entire path is affected, e.g. in case of a partial cancelation for the last part of the path</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="StartOfSection"> <xs:complexType> <xs:complexContent> <xs:extension base="LocationIdent"> <xs:sequence> <xs:element ref="BookedLocationDateTime" minOccurs="0"/> <xs:element ref="BookedLocationTime" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> <xs:element name="EndOfSection"> <xs:complexType> <xs:complexContent> <xs:extension base="LocationIdent"> <xs:sequence> <xs:element ref="BookedLocationDateTime" minOccurs="0"/> <xs:element ref="BookedLocationTime" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> <xs:element ref="OperationalTrainNumberIdentifier" minOccurs="0"/> <xs:element ref="PlannedCalendar"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:element ref="NetworkSpecificParameter" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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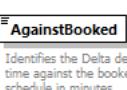
element **AffectedSection/StartOfSection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification BookedLocationDateTime BookedLocationTime
source	<pre> <xs:element name="StartOfSection"> <xs:complexType> <xs:complexContent> <xs:extension base="LocationIdent"> <xs:sequence minOccurs="0"> <xs:element ref="BookedLocationDateTime" /> <xs:element ref="BookedLocationTime" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>

element **AffectedSection/EndOfSection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification BookedLocationDateTime BookedLocationTime
source	<pre> <xs:element name="EndOfSection"> <xs:complexType> <xs:complexContent> <xs:extension base="LocationIdent"> <xs:sequence minOccurs="0"> <xs:element ref="BookedLocationDateTime" /> <xs:element ref="BookedLocationTime" /> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>

element **AgainstBooked**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	DeltaTime
properties	content simple
used by	element TrainDelay
facets	Kind Value Annotation length 5
annotation	documentation Identifies the Delta delay time against the booked schedule in minutes
source	<pre> <xs:element name="AgainstBooked" type="DeltaTime"> <xs:annotation></pre>

	<pre><xs:documentation>Identifies the Delta delay time against the booked schedule in minutes</xs:documentation> </xs:annotation> </xs:element></pre>
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element AgainstReferenced

diagram	AgainstReferenced <small>Delay compared to the referenced Date/Time</small>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	DeltaTime
properties	content simple
used by	element TrainDelay
facets	Kind Value Annotation length 5
annotation	documentation Delay compared to the referenced Date/Time
source	<pre><xs:element name="AgainstReferenced" type="DeltaTime"> <xs:annotation> <xs:documentation>Delay compared to the referenced Date/Time</xs:documentation> </xs:annotation> </xs:element></pre>

element AgreedTimeOfDelivery

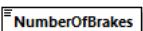
diagram	AgreedTimeOfDelivery <small>The requested Date and Time for the delivery of a wagon/Shipment or Intermodal units at customer...</small>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	elements ConsignmentOrderMessage/COMS/COM_WIMO Dataset/ConsignmentLevelData
annotation	documentation The requested Date and Time for the delivery of a wagon/Shipment or Intermodal units at customer sidings
source	<pre><xs:element name="AgreedTimeOfDelivery" type="xs:dateTime"> <xs:annotation> <xs:documentation>The requested Date and Time for the delivery of a wagon/Shipment or Intermodal units at customer sidings</xs:documentation> </xs:annotation> </xs:element></pre>

element **AirBrake**

diagram	<pre> classDiagram class AirBrake class NumberOfBrakes class BrakeSystem class AirBrakeType class BrakingPowerVariationDevice class AirBrakedMass class LoadChangeDevice class BrakeSpecialCharacteristics AirBrake --> NumberOfBrakes : Characteristics of Air Brakes AirBrake --> BrakeSystem AirBrake --> AirBrakeType AirBrake --> BrakingPowerVariationDevice AirBrake --> AirBrakedMass AirBrake --> LoadChangeDevice [multiplicity 0..∞] AirBrake --> BrakeSpecialCharacteristics </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	NumberOfBrakes BrakeSystem AirBrakeType BrakingPowerVariationDevice AirBrakedMass LoadChangeDevice BrakeSpecialCharacteristics
used by	element RollingStockDataset/DesignDataSet
annotation	documentation Characteristics of Air Brakes
source	<pre> <xs:element name="AirBrake"> <xs:annotation> <xs:documentation>Characteristics of Air Brakes</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="NumberOfBrakes" type="Numeric2-2"> <xs:annotation> <xs:documentation>Number of air brakes</xs:documentation> </xs:annotation> </xs:element> <xs:element name="BrakeSystem" minOccurs="0"> <xs:annotation> <xs:documentation>Abbreviation of air brake system. Following values are examples: Kk; Dr; Bo; Hik; Bd; Ch; O; KE; WE; DK; WU; WA; DM; MH, SW; KE 435; through pipe</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

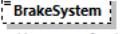
	<pre> <xs:element ref="BrakingPowerVariationDevice"/> <xs:element ref="AirBrakedMass"> <xs:annotation> <xs:documentation> General braked weight for wagon without any variation device or braked weight in position "empty" for wagons with a variation device or maximum brake weight for wagons with a linear auto continuous brake weight device "0" for wagons without brake system (in tons)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="LoadChangeDevice" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Specific weights for change over air brake systems</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ChangeOverWeight" type="Numeric3-3"> <xs:annotation> <xs:documentation>Change over weight of braked weight in tons device</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AirBrakedMassLoaded" type="Numeric3-3"> <xs:annotation> <xs:documentation>Braked weight in tons loaded for change weight</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="BrakeSpecialCharacteristics"/> </xs:complexType> </xs:element> </pre>
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element **AirBrake/NumberOfBrakes**

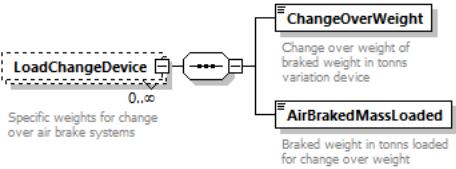
diagram	 NumberOfBrakes Number of air brakes
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric2-2
properties	content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
annotation	documentation Number of air brakes
source	<pre> <xs:element name="NumberOfBrakes" type="Numeric2-2"> <xs:annotation> <xs:documentation>Number of air brakes</xs:documentation> </xs:annotation> </pre>

	</xs:element>
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element **AirBrake/BrakeSystem**

diagram	 <p>Abbreviation of air brake system. Following values are examples: Kk; Dr; Bo; Hik; Bd; Ch; O; KE; WE; DK; WU; WA; DM; MH, SW; KE 435; through brake pipe</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Abbreviation of air brake system. Following values are examples: Kk; Dr; Bo; Hik; Bd; Ch; O; KE; WE; DK; WU; WA; DM; MH, SW; KE 435; through brake pipe
source	<pre> <xs:element name="BrakeSystem" minOccurs="0"> <xs:annotation> <xs:documentation>Abbreviation of air brake system. Following values are examples: Kk; Dr; Bo; Hik; Bd; Ch; O; KE; WE; DK; WU; WA; DM; MH, SW; KE 435; through brake pipe</xs:documentation> <xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:annotation> </xs:annotation> </xs:element> </pre>

element **AirBrake/LoadChangeDevice**

diagram	 <p>Change over weight of braked weight in tonnes variation device 0..oo Specific weights for change over air brake systems</p> <p>Braked weight in tonnes loaded for change over weight</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc unbounded content complex
children	ChangeOverWeight AirBrakedMassLoaded
annotation	documentation Specific weights for change over air brake systems
source	<pre> <xs:element name="LoadChangeDevice" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Specific weights for change over air brake systems</xs:documentation> </xs:annotation> </xs:element> </pre>

	<pre> <xs:complexType> <xs:sequence> <xs:element name="ChangeOverWeight" type="Numeric3-3"> <xs:annotation> <xs:documentation>Change over weight of braked weight in tonns variation device</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AirBrakedMassLoaded" type="Numeric3-3"> <xs:annotation> <xs:documentation>Braked weight in tonns loaded for change over weight</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element AirBrake/LoadChangeDevice/ChangeOverWeight

diagram	<div style="border: 1px solid black; padding: 2px;"> ChangeOverWeight </div> <p>Change over weight of braked weight in tonns variation device</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	Numeric3-3									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>001</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	001		maxInclusive	999	
Kind	Value	Annotation								
minInclusive	001									
maxInclusive	999									
annotation	<p>documentation</p> <p>Change over weight of braked weight in tonns variation device</p>									
source	<pre> <xs:element name="ChangeOverWeight" type="Numeric3-3"> <xs:annotation> <xs:documentation>Change over weight of braked weight in tonns variation device</xs:documentation> </xs:annotation> </xs:element> </pre>									

element AirBrake/LoadChangeDevice/AirBrakedMassLoaded

diagram	<div style="border: 1px solid black; padding: 2px;"> AirBrakedMassLoaded </div> <p>Braked weight in tonns loaded for change over weight</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	Numeric3-3									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>001</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	001		maxInclusive	999	
Kind	Value	Annotation								
minInclusive	001									
maxInclusive	999									
annotation	<p>documentation</p> <p>Braked weight in tonns loaded for change over weight</p>									

source	<pre><xs:element name="AirBrakedMassLoaded" type="Numeric3-3"> <xs:annotation> <xs:documentation>Braked weight in tonns loaded for change over weight</xs:documentation> </xs:annotation> </xs:element></pre>
--------	---

element **AirBrakedMass**

diagram	 <p>General braked weight for wagon without a variation device; Braked weight empty for wagons with a variation device; maximum braked weight for wagons with linear auto continuous device; "0" for wagons without air brake (in tons).</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	content simple									
used by	element AirBrake									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	999	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	999									
annotation	<p>documentation</p> <p>General braked weight for wagon without a variation device; Braked weight empty for wagons with a variation device; maximum braked weight for wagons with linear auto continuous device; "0" for wagons without air brake (in tons).</p>									
source	<pre><xs:element name="AirBrakedMass"> <xs:annotation> <xs:documentation>General braked weight for wagon without a variation device; Braked weight empty for wagons with a variation device; maximum braked weight for wagons with linear auto continuous device; "0" for wagons without air brake (in tons).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive>0</xs:minInclusive> <xs:maxInclusive>999</xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element **AlertMessage**

diagram	<pre> classDiagram class AlertMessage { <<Following the comparison between the actual ETA and the commitment to the customer, the Lead RU sends this Alert Message to the actual RU in charge and to all following RUs involved in the transport chain>> } class MessageHeader { <<Used for all messages>> } class CommitmentETA { <<Identifies the commitment to the customer regarding date and time of the arrival date and time of the Wagon or Unit on the final destination of the customer siding.>> } class ActualETA { <<Identifies the actual ETA date and time of arrival of the Wagon or Unit on the final destination of the customer siding.>> } class WagonNumberFreight { <<Identifies uniquely the freight wagon by its number>> } AlertMessage < -- MessageHeader AlertMessage --> CommitmentETA AlertMessage --> ActualETA AlertMessage --> WagonNumberFreight </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader CommitmentETA ActualETA WagonNumberFreight
annotation	<p>documentation</p> <p>Following the comparison between the actual ETA and the commitment to the customer, the Lead RU sends this Alert Message to the actual RU in charge and to all following RUs involved in the transport chain</p>
source	<pre> <xs:element name="AlertMessage"> <xs:annotation> <xs:documentation>Following the comparison between the actual ETA and the commitment to the customer, the Lead RU sends this Alert Message to the actual RU in charge and to all following RUs involved in the transport chain</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="CommitmentETA"/> <xs:element ref="ActualETA"/> <xs:element ref="WagonNumberFreight"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **AllocationCompany**

diagram	<pre> classDiagram class AllocationCompany { <<Name of company who is responsible for allocation and maintenance of codes>> } </pre>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	CompanyCode												
properties	content simple												
used by	elements LocationSubsidiaryIdentification LocationSubsidiaryInformation												
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												

annotation	documentation Name of company who is responsible for allocation and maintenance of codes
source	<pre><xs:element name="AllocationCompany" type="CompanyCode"> <xs:annotation> <xs:documentation>Name of company who is responsible for allocation and maintenance of codes</xs:documentation> </xs:annotation> </xs:element></pre>

element ArrivalAtDestination

diagram	
namespace	http://www.era.europa.eu/schemas/TAFTSI/3.1
properties	content complex
children	Destination ArrivalTimeAtDestination
used by	WagonArrivalNoticeMessage
annotation	documentation Arrival of a wagon at its destination point with Date and Time. The location is not the final destination at customer sidings, but the location of the last RU which has to organise the final delivery of the wagon to customer sidings
source	<pre><xs:element name="ArrivalAtDestination"> <xs:annotation> <xs:documentation>Arrival of a wagon at its destination point with Date and Time. The location is not the final destination at customer sidings, but the location of the last RU which has to organise the final delivery of the wagon to customer sidings</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Destination"/> <xs:element ref="ArrivalTimeAtDestination"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element ArrivalInterchangeReport

diagram	
namespace	http://www.era.europa.eu/schemas/TAFTSI/3.1

properties	content complex
children	Source Location ArrivalTimeAtLocation TrainID
used by	element WagonETI ETA Message
annotation	documentation The arrival or interchange station where ETI end
source	<pre> <xs:element name="ArrivalInterchangeReport"> <xs:annotation> <xs:documentation>The arrival or interchange station where ETI end</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Source"> <xs:annotation> <xs:documentation>Source of information</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Experienced time of arrival"/> <xs:enumeration value="Real Time Train Situation"/> <xs:enumeration value="Estimated time of arrival"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Location"/> <xs:element ref="ArrivalTimeAtLocation"/> <xs:element ref="TrainID" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **ArrivalInterchangeReport/Source**

diagram	 Source Source of information												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	restriction of xs:string												
properties	content simple												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Experienced time of arrival</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Real Time Train Situation</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Estimated time of arrival</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	Experienced time of arrival		enumeration	Real Time Train Situation		enumeration	Estimated time of arrival	
Kind	Value	Annotation											
enumeration	Experienced time of arrival												
enumeration	Real Time Train Situation												
enumeration	Estimated time of arrival												
annotation	documentation Source of information												
source	<pre> <xs:element name="Source"> <xs:annotation> <xs:documentation>Source of information</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Experienced time of arrival"/> <xs:enumeration value="Real Time Train Situation"/> </xs:restriction> </xs:simpleType> </xs:element></pre>												

	<pre> <xs:enumeration value="Estimated" time of arrival"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	--

element ArrivalTimeAtDestination

diagram	ArrivalTimeAtDestination The actual Date and Time of the arrival of wagons by train at its final destination yard
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element ArrivalAtDestination
annotation	documentation The actual Date and Time of the arrival of wagons by train at its final destination yard
source	<pre> <xs:element name="ArrivalTimeAtDestination" type="xs:dateTime"> <xs:annotation> <xs:documentation>The actual Date and Time of the arrival of wagons by train at its final destination yard</xs:documentation> </xs:annotation> </xs:element> </pre>

element ArrivalTimeAtLocation

diagram	ArrivalTimeAtLocation The actual arrival date and time at the defined location
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element ArrivalInterchangeReport
annotation	documentation The actual arrival date and time at the defined location
source	<pre> <xs:element name="ArrivalTimeAtLocation" type="xs:dateTime"> <xs:annotation> <xs:documentation>The actual arrival date and time at the defined location</xs:documentation> </xs:annotation> </xs:element> </pre>

element ArrivalTimeAtLocationActual

diagram	ArrivalTimeAtLocationActual The actual arrival date and time at the defined location
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime

properties	content simple
used by	element YardArrival
annotation	documentation The actual arrival date and time at the defined location
source	<pre><xs:element name="ArrivalTimeAtLocationActual" type="xs: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	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	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.
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 AssociatedAttachedOTN

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	String1-8
properties	content simple
used by	complexType TrainActivityType

facets	Kind Value Annotation minLength 1 maxLength 8
annotation	documentation Identifies the associated train for the activity for traffic management purposes by the Dispatcher, GSMR services, etc.
source	<pre><xs:element name="AssociatedAttachedOTN" type="String1-8"> <xs:annotation> <xs:documentation>Identifies the associated train for the activity for traffic management purposes by the Dispatcher, GSMR services, etc.</xs:documentation> </xs:annotation> </xs:element></pre>

element AssociatedAttachedTimingAtLocation

diagram	<p>The diagram shows a sequence of three objects: 'AssociatedAttachedTimingAtLoc...' (represented by a rounded rectangle), 'TimingAtLocation' (represented by a rounded rectangle with a small circle on top), and 'TrainActivityType' (represented by a rounded rectangle with a small circle on top). Arrows indicate a sequence from the first object to the second, and from the second to the third. The multiplicity '1..oo' is shown next to the arrow from 'TimingAtLocation' to 'TrainActivityType'.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	TimingAtLocation
used by	complexType TrainActivityType
annotation	documentation Identifies the time at location of the associated attached train or train service number given by AssociatedAttachedTrainID or AssociatedAttachedOTN or AssociatedAttachedTrainServiceNumber. In general, the Dwell Time element of structure TimingAtLocation is not provided when using TrainActivityType
source	<pre><xs:element name="AssociatedAttachedTimingAtLocation"> <xs:annotation> <xs:documentation>Identifies the time at location of the associated attached train or train service number given by AssociatedAttachedTrainID or AssociatedAttachedOTN or AssociatedAttachedTrainServiceNumber. In general, the Dwell Time element of structure TimingAtLocation is not provided when using TrainActivityType</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TimingAtLocation" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **AssociatedAttachedTrainID**

diagram	<pre> classDiagram class CompositIdentifierPlannedType { <<Provides a possibility for differentiation between the objects Train (TR), Route (RO), Path (PA), Case Reference (CR) and Path Request (PR)>> <<ObjectType>> <<Company>> <<Core>> <<Variant>> <<TimetableYear>> <<StartDate>> } class AssociatedAttachedTrainID { <<TrainID of the Associated Train in an Attach Activity>> } AssociatedAttachedTrainID --> CompositIdentifierPlannedType CompositIdentifierPlannedType < -- ObjectType CompositIdentifierPlannedType < -- Company CompositIdentifierPlannedType < -- Core CompositIdentifierPlannedType < -- Variant CompositIdentifierPlannedType < -- TimetableYear CompositIdentifierPlannedType < -- StartDate </pre> <p>The diagram illustrates the structure of the AssociatedAttachedTrainID element. It is defined as a CompositIdentifierPlannedType, which is a subtype of ObjectType. The ObjectType is further divided into Company, Core, Variant, TimetableYear, and StartDate. The AssociatedAttachedTrainID itself is described as the TrainID of the Associated Train in an Attach Activity.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CompositIdentifierPlannedType
properties	content complex
children	ObjectType Company Core Variant TimetableYear StartDate
used by	complexType TrainActivityType
annotation	documentation TrainID of the Associated Train in an Attach Activity
source	<pre> <xs:element name="AssociatedAttachedTrainID" type="CompositIdentifierPlannedType"> <xs:annotation> <xs:documentation>TrainID of the Associated Train in an Attach Activity</xs:documentation> </xs:annotation> </xs:element> </pre>

element **AssociatedAttachedTrainServiceNumber**

diagram	<pre> classDiagram class AssociatedAttachedTrainServiceN... <<Identifies the associated train service line number for the train activity connecting service>> </pre>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	String1-8									
properties	content simple									
used by	complexType TrainActivityType									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>8</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	8	
Kind	Value	Annotation								
minLength	1									
maxLength	8									

annotation	documentation Identifies the associated train service line number for the train activity connecting service
source	<pre><xs:element name="AssociatedAttachedTrainServiceNumber" type="String1-8"> <xs:annotation> <xs:documentation>Identifies the associated train service line number for the train activity connecting service</xs:documentation> </xs:annotation> </xs:element></pre>

element BitmapDays

diagram																
	Bitmapstream must be provided for the trains that are running more than one day in timetable period; it is optional otherwise.															
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1															
type	restriction of xs:string															
properties	content simple															
used by	elements PlannedCalendar ReferenceTrainIDSubCalendar RequestedCalendar															
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>740</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>collapse</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-1]{1,740}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	740		whiteSpace	collapse		pattern	[0-1]{1,740}	
Kind	Value	Annotation														
minLength	1															
maxLength	740															
whiteSpace	collapse															
pattern	[0-1]{1,740}															
annotation	documentation Bitmapstream must be provided for the trains that are running more than one day in timetable period; it is optional otherwise.															
source	<pre><xs:element name="BitmapDays"> <xs:annotation> <xs:documentation>Bitmapstream must be provided for the trains that are running more than one day in timetable period; it is optional otherwise.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="740"/> <xs:whiteSpace value="collapse"/> <xs:pattern value="[0-1]{1,740}"/> </xs:restriction> </xs:simpleType> </xs:element></pre>															

element BogiePitch

diagram	
	Bogie Wheelbase measured in mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer

properties	content simple
used by	element RollingStockDataset/DesignDataSet
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Bogie Wheelbase measured in mm
source	<pre><xs:element name="BogiePitch"> <xs:annotation> <xs:documentation>Bogie Wheelbase measured in mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive base="xs:integer"> value="1"/> <xs:maxInclusive value="99999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element BookedLocationDateTime

diagram	<p>Scheduled Date and Time of a train at a specified location as defined in the path contract</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	elements ChangeofTrackMessage DelayEventReport AffectedSection/EndOfSection InterruptionPoint JourneySectionDestination JourneySectionOrigin LocationModified AffectedSection/StartOfSection TimingAtLocation/Timing TrainAtLocation TrainLocationReport
annotation	documentation Scheduled Date and Time of a train at a specified location as defined in the path contract
source	<pre><xs:element name="BookedLocationDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Scheduled Date and Time of a train at a specified location as defined in the path contract</xs:documentation> </xs:annotation> </xs:element></pre>

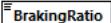
element BookedLocationTime

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:time
properties	content simple
used by	elements AffectedSection/EndOfSection AffectedSection/StartOfSection
source	<pre><xs:element name="BookedLocationTime" type="xs:time"/></pre>

element **BrakeWeight**

diagram	 BrakeWeight Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:int
properties	content simple
used by	elements PlannedTrainTechnicalData TrainRunningTechData WagonOperationalData
facets	Kind Value Annotation minInclusive 0 maxInclusive 99999
annotation	documentation Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes
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> <xs:minInclusive value="0"/> <xs:maxInclusive value="99999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **BrakingRatio**

diagram	 BrakingRatio Minimum percentage of braking. Expressed as an integer value (no percent sign should be added).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
used by	element PlannedTrainTechnicalData
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Minimum percentage of braking. Expressed as an integer value (no percent sign should be added).
source	<pre> <xs:element name="BrakingRatio"> <xs:annotation> <xs:documentation>Minimum percentage of braking. Expressed as an integer value (no percent sign should be added).</xs:documentation> </xs:annotation> <xs:simpleType></pre>

	<pre> <xs:restriction> <xs:maxInclusive> <xs:minInclusive> </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:integer"> value="999"/> value="1"/> </pre>
--	--	--

element **ChangeofTrackMessage**

diagram	<p>This message is issued to show that the train is arriving at another platform to the one that was scheduled.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader MessageStatus TrainOperationalIdentification OperationalTrainNumberIdentifier ReferenceOTN LocationPlannedTrack LocationActualTrack BookedLocationDateTime TrainLocationStatus InterruptionReason InterruptionDescription TransferPoint TransfereeIM
annotation	<p>documentation</p> <p>This message is issued to show that the train is arriving at another platform to the one that was scheduled</p>
source	<pre> <xs:element name="ChangeofTrackMessage"> <xs:annotation> <xs:documentation> This message is issued to show that the train is arriving at another platform to the one that was scheduled</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> </pre>

	<pre> <xs:element ref="MessageStatus"> <xs:annotation> <xs:documentation>Assigned by the Sender 1=Creation, 2=Modification, 3=deletion</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="TrainOperationalIdentification" minOccurs="0"/> <xs:element ref="OperationalTrainNumberIdentifier"/> <xs:element ref="ReferenceOTN" minOccurs="0"/> <xs:element ref="LocationPlannedTrack" minOccurs="0"/> <xs:element ref="LocationActualTrack"/> <xs:element ref="BookedLocationDateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Scheduled Date and Time of a train at a specified location as defined in the path contract</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="TrainLocationStatus" minOccurs="0"/> <xs:element ref="InterruptionReason" minOccurs="0"/> <xs:element ref="InterruptionDescription" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="TransferPoint" minOccurs="0"> <xs:annotation> <xs:documentation>Transfer point or station of destination in the considered network where the Reference Train Numbers refers to</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="TransfereeIM" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element **CityTown**

diagram	<p>CityTown</p> <p>Name of the City or Town in Clear Text</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>35</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	35	
Kind	Value	Annotation								
minLength	1									
maxLength	35									
annotation	<p>documentation</p> <p>Name of the City or Town in Clear Text</p>									
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:restriction> </xs:simpleType> </xs:element> </pre>									

	<pre><xs:minLength </xs:restriction> </xs:simpleType> </xs:element></pre>	value="1"/>
--	--	-----------------------

element ClosingTime

diagram	 ClosingTime The closing Date and Time of the port for the delivery of the shipment by rail to a vessel.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element VesselIndication
annotation	documentation The closing Date and Time of the port for the delivery of the shipment by rail to a vessel.
source	<pre><xs:element name="ClosingTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The closing Date and Time of the port for the delivery of the shipment by rail to a vessel.</xs:documentation> </xs:annotation> </xs:element></pre>

element Coasting

diagram	 Coasting IM indicates to the RU whether the driver can rely on coasting. This is of both economic and ecological interest, as in many parts of the journey the trains may have enough inertia to be able to match the calculated time of the next location relying on coasting only.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element PlannedTrainTechnicalData
annotation	documentation IM indicates to the RU whether the driver can rely on coasting. This is of both economic and ecological interest, as in many parts of the journey the trains may have enough inertia to be able to match the calculated time of the next location relying on coasting only.
source	<pre><xs:element name="Coasting" type="xs:boolean"> <xs:annotation> <xs:documentation>IM indicates to the RU whether the driver can rely on coasting. This is of both economic and ecological interest, as in many parts of the journey the trains may have enough inertia to be able to match the calculated time of the next location relying on coasting only.</xs:documentation> </xs:annotation> </xs:element></pre>

element **Comments**

diagram	 Comments
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
used by	elements LocationPrimaryInformation LocationSubsidiaryInformation
facets	Kind Value Annotation minLength 1 maxLength 255
source	< xs:element name="Comments" type="FreeText"/>

element **CommitmentETA**

diagram	 CommitmentETA Identifies the commitment to the customer regarding date and time of the arrival date and time of the Wagon or Unit on the final destination of the customer siding.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element AlertMessage
annotation	documentation Identifies the commitment to the customer regarding date and time of the arrival date and time of the Wagon or Unit on the final destination of the customer siding.
source	< xs:element name="CommitmentETA" type="xs:dateTime"/><xs:annotation> <xs:documentation>Identifies the commitment to the customer regarding date and time of the arrival date and time of the Wagon or Unit on the final destination of the customer siding.<xs:documentation> <xs:annotation> </xs:element>

element **Company**

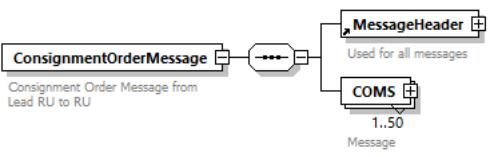
diagram	 Company Identifies a railway company (RU or IM)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CompanyCode
properties	content simple
used by	complexTypes CompositIdentifierOperationalType CompositIdentifierPlannedType
facets	Kind Value Annotation minLength 4

	maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Identifies a railway company (RU or IM)
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 ConsignmentNumber

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	ConsignmentIdent
properties	content complex
used by	element WIMO Dataset/ConsignmentLevelData
annotation	documentation Reference number assigned to a consignment by a lead RU
source	<pre><xs:element name="ConsignmentNumber" type="ConsignmentIdent"> <xs:annotation> <xs:documentation>Reference number assigned to a consignment by a lead RU</xs:documentation> </xs:annotation> </xs:element></pre>

element ConsignmentOrderMessage

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader COMS
annotation	documentation Consignment Order Message from Lead RU to RU
source	<pre><xs:element name="ConsignmentOrderMessage"> <xs:annotation> <xs:documentation>Consignment Order Message from Lead RU to RU</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="MessageHeader" ref="MessageHeader"/> <xs:element name="COMS" maxOccurs="50" type="Message" /> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> <xs:annotation> <xs:documentation>Message</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="COM_Header"> <xs:annotation> <xs:documentation>Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="SendingRU" type="CompanyCode"> <xs:annotation> <xs:documentation>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which created/amended the message (like 2185).</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ReceivingRU" type="CompanyCode"> <xs:annotation> <xs:documentation>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the recipient of the message (like 2185).</xs:documentation> </xs:annotation> </xs:element> <xs:element name="MessageReferenceNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Message Reference NumberThis identification is being generated during creation of the message. This allows the tracing of the message.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="18"> <xs:annotation> <xs:documentation>Use here a counter, any system.</xs:documentation> </xs:annotation> </xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ShipmentType" minOccurs="0"> <xs:annotation> <xs:documentation>Classification of the wagon order as or 'CIM'.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="CIM"> <xs:annotation> <xs:documentation>Regular transport, according in basic to the CIM consignment note.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </pre>
'CUV'	

	<pre> <xs:enumeration value="CUV"> <xs:annotation> <xs:documentation>Transport of empty wagons. If loaded and empty wagons are withing the same shipment, then the ShipmentType has to be set to CIM. For the empty wagons the loading status has to be set in the WagonDetails.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="ConsignmentOrderType"/> <xs:element name="COM_PreparationDatetime"> <xs:annotation> <xs:documentation>Date and Time of preparation of the COM</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:dateTime"> <xs:pattern value=".*\[+-]\d{2}:\d{2}"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="DossierNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRRYYYYMMDDNNNNNN Where RRRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNN = running number.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="19"/> <xs:pattern value="\d{4}20\d{2}[0-1][0-9][0-3]\d{8}"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="VersionNumber"> <xs:annotation> <xs:documentation>Message version number. This number hast to be incremented after each modification. On creation this value has to be set to 0.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="0"/> <xs:maxInclusive value="100"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ChangeLog" minOccurs="0" maxOccurs="100"> <xs:annotation> <xs:documentation>Log of changes made by the LeadRU / contractual carrier during the transport.</xs:documentation> </xs:annotation> </xs:complexType></pre>
--	--

	<pre> <xs:sequence> <xs:element name="DateTime"> <xs:annotation> <xs:documentation>DateTime, when the changes were applied.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:dateTime"/> </xs:simpleType> </xs:element> <xs:element name="NumberOfModifiedVersion"> <xs:annotation> <xs:documentation>Version number of the modified message (as also written into COMHeader/COMVersionNumber).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"/> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="COM"> <xs:annotation> <xs:documentation>Consignment order message</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="AcceptancePoint"> <xs:annotation> <xs:documentation>Description of location and time for the take over of the consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Station"/> <xs:element ref="ProductionStation" minOccurs="0"/> <xs:element ref="PreviousResponsibleRU" minOccurs="0"> <xs:annotation> <xs:documentation>This element identifies the RU, which was responsible for the train operation on the journey section before an interchange point</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AcceptanceDate" minOccurs="0"> <xs:annotation> <xs:documentation>Date and time (month, day and hour) at which the goods were accepted. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:dateTime"> <xs:pattern value=".*00:00[+-]\d{2}:\d{2}"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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	<pre> </xs:simpleType> </xs:element> <xs:element ref="ResponsibleRU"/> <xs:element name="COM_ConsignmentNumber"> <xs:annotation> <xs:documentation>Running number and check digit of the consignment between Lead RU and Responsible RU. Format: NNNNNC The number consists of NNNNN = running number C = check digit, </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="6"/> <xs:pattern value="\d*[1-9]\d*"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ForwardingTrainNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Train number at shipping</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="6"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="LoadingFacility" minOccurs="0"/> </xs:sequence> </xs:complexType> <xs:element name="DeliveryPoint"> <xs:annotation> <xs:documentation>Description of location and time for over of the consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Station"/> <xs:element ref="ProductionStation" minOccurs="0"/> <xs:element ref="NextResponsibleRU" minOccurs="0"/> <xs:element ref="LoadingFacility" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="Customers" maxOccurs="2"/> <xs:element name="ConsignorDeclarations" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Consignors declarartions, this element contains either declarations of the original consignor or declarations of the LeadRU as consignor</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ConsignorDeclarationsCode"> </pre>
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	<pre> type="xs:string"> <xs:annotation> <xs:documentation>Coded consignor declaration</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DeclarationText" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="GeneralInformation" minOccurs="0"> <xs:annotation> <xs:documentation>General information about the consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ConsignorReference" minOccurs="0"> <xs:annotation> <xs:documentation>Consignor's reference for the complete consignment</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="WagonGroupInfo" minOccurs="0"> <xs:annotation> <xs:documentation>Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="500"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="AttachedDocuments" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Paper documents accompanying the transport</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DocumentType"> <xs:annotation> <xs:documentation>Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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```

      </xs:annotation>
      <xs:simpleType>
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          <xs:minInclusive value="1"/>
          <xs:maxInclusive value="999"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="DocumentInformation"
minOccurs="0">
      <xs:annotation>
        <xs:documentation>Additional information regarding the attached document may be entered here.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction>
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          <xs:maxLength value="35"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element ref="Quantity" minOccurs="0"/>
    <xs:element name="DocumentTypeDescription"
minOccurs="0">
      <xs:annotation>
        <xs:documentation>Description of document type, when it is not in the UN/EDIFACT 1001 list included.</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
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        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="CommercialSpecifications" minOccurs="0"
maxOccurs="5">
  <xs:annotation>
    <xs:documentation>Commercial Specification</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Code">
        <xs:annotation>
          <xs:documentation>Commercial specifications code</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:token"/>
        </xs:simpleType>
      </xs:element>
      <xs:element name="SpecificationText" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional Text for codes with

```

	free	<pre> text</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="ContractNumber"/> <xs:element ref="Routing" minOccurs="0"/> <xs:element ref="SpecialTreatments" minOccurs="0" maxOccurs="30"/> <xs:element name="CustomsProcedures" minOccurs="0"> <xs:annotation> <xs:documentation>Customs procedures</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="RU_Partner" minOccurs="0"> <xs:annotation> <xs:documentation>Code of the RU entrusted of procedures.</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="Location"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="CustomsData" minOccurs="0"> <xs:annotation> <xs:documentation>Customs Data</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="SimplifiedTransportProcedure" minOccurs="0"> <xs:annotation> <xs:documentation>Simplified transport procedure used (STP).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:boolean"/> </xs:simpleType> </xs:element> <xs:element name="PrincipalRU" type="CompanyCode" minOccurs="0"> <xs:annotation> <xs:documentation>Code for the principal RU</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CustomsSurveillance"> <xs:annotation></pre>
--	------	---

	<pre> <xs:documentation>Good under customs surveillance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:boolean"/> </xs:simpleType> </xs:element> <xs:element name="CustomsEndorsements" minOccurs="0"> <xs:annotation> <xs:documentation>Reserved for endorsements by customs or a consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="RU_Declarations" minOccurs="0"> <xs:annotation> <xs:documentation>Carriers declaration</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="RU_Declaration" minOccurs="0" maxOccurs="30"> <xs:annotation> <xs:documentation>Details of the carriers declaration.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DeclaringRU" type="CompanyCode"> <xs:annotation> <xs:documentation>Code of carrier, who added the code.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RU_DeclarationCode"> <xs:annotation> <xs:documentation>Carrier declaration packing</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="1"/> <xs:annotation> <xs:documentation>Without packing</xs:documentation> </xs:annotation> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

		<pre> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>Unsatisfactory details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Insufficient details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4.1"> <xs:annotation> <xs:documentation>Goods clearly in (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4.2"> <xs:annotation> <xs:documentation>Goods details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4.3"> <xs:annotation> <xs:documentation>Goods wet: ... details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4.4"> <xs:annotation> <xs:documentation>Goods frozen: ... details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>Loaded by the consignor</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="6"> <xs:annotation> <xs:documentation>Loaded by the carrier in inclement weather at the request of the consignor </xs:annotation> </xs:enumeration> <xs:enumeration value="7"> <xs:annotation> <xs:documentation>Unloaded by the consignee</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="8"> <xs:annotation> <xs:documentation> ... </xs:annotation> </xs:enumeration> </pre>
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carrier in
at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of inclement weather
`</xs:documentation>`

at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of sealing of the wagon or ITU
`</xs:documentation>`

at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of load in the wagon or ITU inaccessible
`</xs:documentation>`

examination in accordance with CIM Article 11 section 3 presented late by the consignor
`</xs:documentation>`

made because of a shortage of resources: ... (give details)
`</xs:annotation>`

... (give details)
`</xs:annotation>`

declarations, which are no reservations. This code is not included in the official CIT code list and is not to be printed on the paper consignment note.
`</xs:documentation>`

	<pre> <xs:element ref="DeclarationText" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="DifferentAcceptance" minOccurs="0"> <xs:annotation> <xs:documentation>Details of the changes of the acceptance point given by the consignor.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DifferentAcceptancePoint" type="LocationIdent" minOccurs="0"> <xs:annotation> <xs:documentation>Variance of acceptance point given in structure AcceptancePoint.</xs:documentation> </xs:annotation> <xs:element name="DifferentAcceptanceDate" minOccurs="0"> <xs:annotation> <xs:documentation>Variance of acceptance date given structure AcceptancePoint.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:dateTime"> <xs:pattern value=". *00:00[+-]]\d{2}:\d{2}"> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="Wagons" maxOccurs="99"> <xs:annotation> <xs:documentation>Contains list of transported Goods, and ITU etc.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="WagonPreviousNumberFreight" minOccurs="0" maxOccurs="20"> <xs:annotation> <xs:documentation>Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="12"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	---

```
        <xs:element name="ReferenceOriginalCN" minOccurs="0">
            <xs:annotation>
                <xs:documentation>Reference to the original consignment note between lead RU/contractual carrier and consignor</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
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                    <xs:minLength value="1"/>
                    <xsmaxLength value="150"/>
                </xs:restriction>
            </xs:simpleType>
        </xs:element>
        <xs:element ref="AgreedTimeOfDelivery" minOccurs="0"/>
    </xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

```

element **ConsignmentOrderMessage/COMS**

diagram	 <p>COMS 1..50 Message</p> <p>COM Consignment order message</p> <p>COM_Header</p> <p>Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	<p>minOcc 1</p> <p>maxOcc 50</p> <p>content complex</p>
children	COM Header COM
annotation	<p>documentation</p> <p>Message</p>
source	<pre> <xs:element name="COMS" maxOccurs="50"> <xs:annotation> <xs:documentation>Message</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="COM_Header"> <xs:annotation> <xs:documentation>Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="SendingRU" type="CompanyCode"> <xs:annotation> <xs:documentation>Use here the 4 digit code according to UIC</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

leaflet 920-1 of the railway, which created/amended the message (like 2185).</xs:documentation>

```

        </xs:annotation>
    </xs:element>
    <xs:element name="ReceivingRU" type="CompanyCode">
        <xs:annotation>
            <xs:documentation>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the recipient of the message (like 2185).</xs:documentation>
        </xs:annotation>
    </xs:element>
    <xs:element name="MessageReferenceNumber" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Message Reference NumberThis identification is being generated during creation of the message. This allows the tracing of the message.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction>
                <xs:minLength value="1"/>
                <xs:maxLength value="18">
                    <xs:annotation>
                        <xs:documentation>Use here a counter, any system.</xs:documentation>
                    </xs:annotation>
                </xs:maxLength>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="ShipmentType" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Classification of the wagon order as 'CUV' or 'CIM'.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction>
                <xs:enumeration base="xs:token" value="CIM">
                    <xs:annotation>
                        <xs:documentation>Regular transport, according in basic to the CIM consignment note.</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
                <xs:enumeration value="CUV">
                    <xs:annotation>
                        <xs:documentation>Transport of empty wagons. If loaded and empty wagons are withing the same shipment, then the ShipmentType has to be set to CIM. For the empty wagons the loading status has to be set in the WagonDetails.</xs:documentation>
                    </xs:annotation>
                </xs:enumeration>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element ref="ConsignmentOrderType"/>
    <xs:element name="COM_PreparationDatetime">
        <xs:annotation>
            <xs:documentation>Date and Time of preparation of the COM</xs:documentation>
        </xs:annotation>
    </xs:element>

```

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:pattern value=".*[+-]\d{2}:\d{2}" /> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="DossierNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRYYYYYMMDDNNNNNN Where RRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNN = running number.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length value="19"/> <xs:pattern value="\d{4}20\d{2}[0-1][0-9]\d{8}" /> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="VersionNumber"> <xs:annotation> <xs:documentation>Message version number. This number has to be incremented after each modification. On creation this value has to be set to 0.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive value="0"/> <xs:maxInclusive value="100"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ChangeLog" minOccurs="0" maxOccurs="100"> <xs:annotation> <xs:documentation>Log of changes made by the LeadRU / carrier during the transport.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DateTime"> <xs:annotation> <xs:documentation>DateTime, when the changes were applied.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:dateTime" /> </xs:simpleType> </xs:element> <xs:element name="NumberOfModifiedVersion"> <xs:annotation> <xs:documentation>Version number of the modified message (as also written into COMHeader/COMVersionNumber).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int" /> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </pre>
--	--

	<pre> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="COM"> <xs:annotation> <xs:documentation>Consignment order message</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="AcceptancePoint"> <xs:annotation> <xs:documentation>Description of location and time for the over of the consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Station"/> <xs:element ref="ProductionStation" minOccurs="0"/> <xs:element ref="PreviousResponsibleRU" minOccurs="0"/> <xs:annotation> <xs:documentation>This element identifies the RU, which was responsible for the train operation on the journey section before an interchange point</xs:documentation> </xs:annotation> </xs:sequence> </xs:complexType> <xs:element name="AcceptanceDate" minOccurs="0"> <xs:annotation> <xs:documentation>Date and time (month, day and hour) at which the goods were accepted.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:dateTime"> <xs:pattern value=". *00:00[+-]\d{2}:\d{2}"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="ResponsibleRU"/> <xs:element name="COM_ConsignmentNumber"> <xs:annotation> <xs:documentation>Running number and check digit of the consignment between Lead RU and Responsible RU. Format: NNNNNC The number consists of NNNNN = running number C = check digit, </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="6"/> <xs:pattern value="\d*[1-9]\d*"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ForwardingTrainNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Train number at shipping </xs:documentation> </pre>
--	---

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="6"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="LoadingFacility" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="DeliveryPoint"> <xs:annotation> <xs:documentation>Description of location and time for the over of the consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Station" /> <xs:element ref="ProductionStation" minOccurs="0"/> <xs:element ref="NextResponsibleRU" minOccurs="0"/> <xs:element ref="LoadingFacility" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="Customers" maxOccurs="2"/> <xs:element name="ConsignorDeclarations" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Consignors declarartions, this element contains either declarations of the original consignor or declarations of the LeadRU as consignor</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ConsignorDeclarationsCode" type="xs:string"> <xs:annotation> <xs:documentation>Coded declaration</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DeclarationText" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="GeneralInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Genearal information about the complete consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ConsignorReference" minOccurs="0"> <xs:annotation> <xs:documentation>Consignor's reference concerning the complete consignment</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="WagonGroupInfo" minOccurs="0"> <xs:annotation> <xs:documentation>Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength <xs:minLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="AttachedDocuments" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Paper documents accompanying the transport</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:annotation> <xs:documentation>Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="DocumentInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information regarding the document may be entered here.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Quantity" minOccurs="0"/> </xs:annotation> </xs:element> </xs:complexType> </xs:sequence> </xs:complexType> </xs:element> </xs:annotation> </pre>
--	--

```

                <xs:element name="DocumentTypeDescription" minOccurs="0">
                    <xs:annotation>
                        <xs:documentation>Description of document type, when it
is not in the UN/EDIFACT 1001 list included.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="xs:string">
                            <xs:minLength value="1"/>
                            <xs:maxLength value="35"/>
                        </xs:restriction>
                    </xs:simpleType>
                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>
<xs:element name="CommercialSpecifications" minOccurs="0"
maxOccurs="5">
    <xs:annotation>
        <xs:documentation>Commercial
Specification</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Code">
                <xs:annotation>
                    <xs:documentation>Commercial
specifications
code</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:token"/>
                </xs:simpleType>
            </xs:element>
            <xs:element name="SpecificationText" minOccurs="0">
                <xs:annotation>
                    <xs:documentation>Additional Text for codes with free
text</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:minLength value="1"/>
                        <xs:maxLength value="350"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element ref="ContractNumber" />
<xs:element ref="Routing" minOccurs="0" />
<xs:element ref="SpecialTreatments" minOccurs="0"
maxOccurs="30" />
<xs:element name="CustomsProcedures" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Customs
procedures</xs:documentation>
    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element ref="RU_Partner" minOccurs="0">

```

	<pre> <xs:annotation> <xs:documentation>Code of the RU entrusted of customs procedures. </xs:documentation> </xs:annotation> </xs:element> <xs:element ref="Location"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="CustomsData" minOccurs="0"> <xs:annotation> <xs:documentation>Customs Data</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="SimplifiedTransportProcedure" minOccurs="0"> <xs:annotation> <xs:documentation>Simplified transport procedure is (STP).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:boolean"/> </xs:simpleType> </xs:element> <xs:element name="PrincipalRU" type="CompanyCode" minOccurs="0"> <xs:annotation> <xs:documentation>Code for the principal RU</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CustomsSurveillance"> <xs:annotation> <xs:documentation>Good under customs surveillance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:boolean"/> </xs:simpleType> </xs:element> <xs:element name="CustomsEndorsements" minOccurs="0"> <xs:annotation> <xs:documentation>Reserved for endorsements by customs or a consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="RU_Declarations" minOccurs="0"> </pre>
--	---

```

<xs:annotation>
    <xs:documentation>Carriers     declaration</xs:documentation>
</xs:annotation>
<xs:complexType>
    <xs:sequence>
        <xs:element      name="RU_Declaration"      minOccurs="0"
maxOccurs="30">
            <xs:annotation>
                <xs:documentation>Details      of      the      carriers
declaration.</xs:documentation>
            </xs:annotation>
            <xs:complexType>
                <xs:sequence>
                    <xs:element  name="DeclaringRU"  type="CompanyCode">
                        <xs:annotation>
                            <xs:documentation>Code of carrier, who added the
declaration.</xs:documentation>
                        </xs:annotation>
                    </xs:element>
                    <xs:element      name="RU_DeclarationCode">
                        <xs:annotation>
                            <xs:documentation>Carrier     declaration     code.
</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction          base="xs:string">
                            <xs:enumeration
                                value="1">
                                <xs:annotation>
                                    <xs:documentation>Without
packing</xs:documentation>
                                </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration
                                value="2">
                                <xs:annotation>
                                    <xs:documentation>Unsatisfactory
packaging:
...<give      details)</xs:documentation>
                                </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration
                                value="3">
                                <xs:annotation>
                                    <xs:documentation>Insufficient packaging:
...<give      details)</xs:documentation>
                                </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration
                                value="4.1">
                                <xs:annotation>
                                    <xs:documentation>Goods clearly in poor
condition:
...<give      details)</xs:documentation>
                                </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration
                                value="4.2">
                                <xs:annotation>
                                    <xs:documentation>Goods      damaged:<give
details)</xs:documentation>
                                </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration
                                value="4.3">
                                <xs:annotation>

```

	<pre> <xs:documentation>Goods wet: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4.4"> <xs:annotation> <xs:documentation>Goods frozen: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>Loaded by the consignor</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="6"> <xs:annotation> <xs:documentation>Loaded by the carrier in inclement weather at the request of the consignor </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="7"> <xs:annotation> <xs:documentation>Unloaded by the consignee</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="8"> <xs:annotation> <xs:documentation>Unloaded by the carrier in ...</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9.1"> <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of inclement weather </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9.2"> <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of sealing of the wagon or ITU </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9.3"> <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of load in the wagon or ITU inaccessible </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="10"></pre>
--	--

```
<xs:annotation>
  <xs:documentation>Request for examination in accordance with CIM Article 11 section 3 presented late by the consignor</xs:documentation>
    </xs:annotation>
  </xs:enumeration>
  <xs:enumeration value="11">
    <xs:annotation>
      <xs:documentation>Examination not made because of a shortage of resources: ... (give details)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="12">
        <xs:annotation>
          <xs:documentation>Other reserves: ... (give details)</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration value="13">
            <xs:annotation>
              <xs:documentation>Code used for declarations, which are no reservations. This code is not included in the official CIT code list and is not to be printed on the paper consignment note.</xs:documentation>
                </xs:annotation>
              </xs:enumeration>
              </xs:restriction>
            </xs:simpleType>
            </xs:element>
            <xs:element ref="DeclarationText" minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:enumeration>
      <xs:element name="DifferentAcceptance" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Details of the changes of the acceptance point given by the consignor.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="DifferentAcceptancePoint" type="LocationIdent" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Variance of acceptance point structure AcceptancePoint.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="DifferentAcceptanceDate" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Variance of acceptance date structure AcceptancePoint.</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:enumeration>
  </xs:enumeration>
</xs:annotation>
```

	<pre> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="Wagons" maxOccurs="99"> <xs:annotation> <xs:documentation>Contains list of transported Goods, Wagons and ITU etc.</xs:documentation> <xs:annotation> <xs:documentation>Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey</xs:documentation> <xs:annotation> <xs:simpleType> <xs:restriction> <xs:length base="xs:string" value="12"/> </xs:restriction> </xs:simpleType> </xs:annotation> <xs:element name="ReferenceOriginalCN" minOccurs="0"> <xs:annotation> <xs:documentation>Reference to the original consignment note between lead RU/contractual carrier and consignor</xs:documentation> <xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength base="xs:string" value="1"/> <xs:maxLength value="150"/> </xs:restriction> </xs:simpleType> </xs:annotation> <xs:element ref="AgreedTimeOfDelivery" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **ConsignmentOrderMessage/COMS/COM_Header**

diagram	<pre> classDiagram class COM_Header { <<Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications>> } class SendingRU class ReceivingRU class MessageReferenceNumber class ShipmentType class ConsignmentOrderType class COM_PreparationDatetime class DossierNumber class VersionNumber class ChangeLog { <<Log of changes made by the LeadRU / contractual carrier during the transport.>> 0..100 } COM_Header "1" -- "1" SendingRU COM_Header "1" -- "1" ReceivingRU COM_Header "1" -- "1" MessageReferenceNumber COM_Header "1" -- "1" ShipmentType COM_Header "1" -- "1" ConsignmentOrderType COM_Header "1" -- "1" COM_PreparationDatetime COM_Header "1" -- "1" DossierNumber COM_Header "1" -- "1" VersionNumber COM_Header "1" -- "1" ChangeLog </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	SendingRU ReceivingRU MessageReferenceNumber ShipmentType ConsignmentOrderType COM_PreparationDatetime DossierNumber VersionNumber ChangeLog
annotation	<p>documentation</p> <p>Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications</p>
source	<pre> <xss:element name="COM_Header"> <xss:annotation> <xss:documentation>Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element name="SendingRU" type="CompanyCode"> <xss:annotation> <xss:documentation>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which created/amended the message (like 2185).</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </xss:element> </pre>

```

<xs:element name="ReceivingRU" type="CompanyCode">
  <xs:annotation>
    <xs:documentation>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the recipient of the message (like 2185).</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="MessageReferenceNumber" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Message Reference NumberThis identification is being generated during creation of the message. This allows the tracing of the message.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction>
      <xs:minLength value="1"/>
      <xs:maxLength value="18">
        <xs:annotation>
          <xs:documentation>Use here a counter, any system.</xs:documentation>
        </xs:annotation>
      </xs:maxLength>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="ShipmentType" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Classification of the wagon order as 'CUV' or 'CIM'.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction>
      <xs:enumeration value="CIM">
        <xs:annotation>
          <xs:documentation>Regular transport, according in basic to the CIM consignment note.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="CUV">
        <xs:annotation>
          <xs:documentation>Transport of empty wagons. If loaded and empty wagons are withing the same shipment, then the ShipmentType has to be set to CIM. For the empty wagons the loading status has to be set in the WagonDetails.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element ref="ConsignmentOrderType"/>
<xs:element name="COM_PreparationDatetime">
  <xs:annotation>
    <xs:documentation>Date and Time of preparation of the COM</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction>
      <xs:pattern base="xs:dateTime">
        <xs:annotation>
          <xs:documentation>.*[+-]\d{2}:\d{2}</xs:documentation>
        </xs:annotation>
      </xs:pattern>
    </xs:restriction>
  </xs:simpleType>
</xs:element>

```

```

        </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="DossierNumber" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRRYYYYMMDDNNNNNN Where RRRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNN = running number.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:string">
                <xs:length value="19"/>
                <xs:pattern value="\d{4}20\d{2}[0-1][0-9][0-3]\d{8}"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="VersionNumber">
        <xs:annotation>
            <xs:documentation>Message version number. This number has to be incremented after each modification. On creation this value has to be set to 0.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction base="xs:int">
                <xs:minInclusive value="0"/>
                <xs:maxInclusive value="100"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element name="ChangeLog" minOccurs="0" maxOccurs="100">
        <xs:annotation>
            <xs:documentation>Log of changes made by the LeadRU / contractual carrier during the transport.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
            <xs:sequence>
                <xs:element name="DateTime">
                    <xs:annotation>
                        <xs:documentation>DateTime, when the changes were applied.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="xs:dateTime"/>
                    </xs:simpleType>
                </xs:element>
                <xs:element name="NumberOfModifiedVersion">
                    <xs:annotation>
                        <xs:documentation>Version number of the modified message (as also written into COMHeader/COMVersionNumber).</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                        <xs:restriction base="xs:int"/>
                    </xs:simpleType>
                </xs:element>
            </xs:sequence>
        </xs:complexType>
    </xs:element>

```

	<pre></xs:sequence> </xs:complexType> </xs:element></pre>
--	---

element **ConsignmentOrderMessage/COMS/COM_Header/SendingRU**

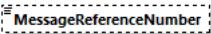
diagram	<p>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which created/amended the message (like 2185).</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	CompanyCode												
properties	content simple												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												
annotation	<p>documentation</p> <p>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which created/amended the message (like 2185).</p>												
source	<pre><xs:element name="SendingRU" type="CompanyCode"> <xs:annotation> <xs:documentation>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which created/amended the message (like 2185).</xs:documentation> </xs:annotation> </xs:element></pre>												

element **ConsignmentOrderMessage/COMS/COM_Header/ReceivingRU**

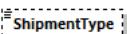
diagram	<p>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the recipient of the message (like 2185).</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	CompanyCode												
properties	content simple												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												
annotation	<p>documentation</p> <p>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the recipient of the message (like 2185).</p>												
source	<pre><xs:element name="ReceivingRU" type="CompanyCode"> <xs:annotation> <xs:documentation>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the recipient of the message (like 2185).</xs:documentation> </xs:annotation> </xs:element></pre>												

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

element **ConsignmentOrderMessage/COMS/COM_Header/MessageReferenceNumber**

diagram	 <p>Message Reference NumberThis identification is being generated during creation of the message. This allows the tracing of the message.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 18 documentation Use here a counter, any system.
annotation	documentation Message Reference NumberThis identification is being generated during creation of the message. This allows the tracing of the message.
source	<pre> <xs:element name="MessageReferenceNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Message Reference NumberThis identification is being generated during creation of the message. This allows the tracing of the message.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="18"> <xs:annotation> <xs:documentation>Use here a counter, any system.</xs:documentation> </xs:annotation> </xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **ConsignmentOrderMessage/COMS/COM_Header/ShipmentType**

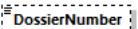
diagram	 <p>Classification of the wagon order as 'CUV' or 'CIM'.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:token
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation enumeration CIM documentation Regular transport, according in basic to the CIM consignment note. enumeration CUV documentation Transport of empty wagons. If loaded and empty wagons are withing the same shipment,

	then the ShipmentType has to be set to CIM. For the empty wagons the loading status has to be set in the WagonDetails.
annotation	documentation Classification of the wagon order as 'CUV' or 'CIM'.
source	<pre> <xs:element name="ShipmentType" minOccurs="0"> <xs:annotation> <xs:documentation>Classification of the wagon order as 'CUV' or 'CIM'.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration base="xs:token"> <xs:annotation> <xs:documentation>Regular transport, according in basic to the CIM note.</xs:documentation> </xs:annotation> <xs:enumeration value="CUV"> <xs:annotation> <xs:documentation>Transport of empty wagons. If loaded and empty wagons are withing the same shipment, then the ShipmentType has to be set to CIM. For the empty wagons the loading status has to be set in the WagonDetails.</xs:documentation> </xs:annotation> <xs:enumeration value="CIM"> <xs:annotation> <xs:documentation>If loaded and empty wagons are withing the same shipment, then the ShipmentType has to be set to CIM. For the empty wagons the loading status has to be set in the WagonDetails.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>

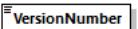
element **ConsignmentOrderMessage/COMS/COM_Header/COM_PreparationDatetime**

diagram	<p>COM_PreparationDatetime</p> <p>Date and Time of preparation of the COM</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1						
type	restriction of xs:dateTime						
properties	content simple						
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>pattern</td> <td>.*[+-]\d{2}:\d{2}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	pattern	.*[+-]\d{2}:\d{2}	
Kind	Value	Annotation					
pattern	.*[+-]\d{2}:\d{2}						
annotation	documentation Date and Time of preparation of the COM						
source	<pre> <xs:element name="COM_PreparationDatetime"> <xs:annotation> <xs:documentation>Date and Time of preparation of the COM</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:dateTime"> <xs:pattern value=".*[+-]\d{2}:\d{2}" /> </xs:restriction> </xs:simpleType> </xs:element> </pre>						

element **ConsignmentOrderMessage/COMS/COM_Header/DossierNumber**

diagram	 DossierNumber Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRRYYYYMMDDNNNNNN Where RRRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNNN = running number.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 19 pattern \d{4}20\d{2}[0-1][0-9][0-3]\d{8}
annotation	documentation Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRRYYYYMMDDNNNNNN Where RRRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNNN = running number.
source	<pre> <xs:element name="DossierNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRRYYYYMMDDNNNNNN Where RRRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNNN = running number.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length value="19"/> <xs:pattern value="\d{4}20\d{2}[0-1][0-9][0-3]\d{8}"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **ConsignmentOrderMessage/COMS/COM_Header/VersionNumber**

diagram	 VersionNumber Message version number. This number has to be incremented after each modification. On creation this value has to be set to 0.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:int
properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 100
annotation	documentation Message version number. This number has to be incremented after each modification. On creation this value has to be set to 0.
source	<pre> <xs:element name="VersionNumber"> <xs:annotation> </pre>

	<pre> <xs:documentation>Message version number. This number has to be incremented after each modification. On creation this value has to be set to 0.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element></pre>	<code>base="xs:int"></code> <code>value="0"/></code> <code>value="100"/></code>
--	---	--

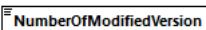
element **ConsignmentOrderMessage/COMS/COM_Header/ChangeLog**

diagram	<p>The diagram shows a class named ChangeLog with a multiplicity of 0..100. It has two associations: one to DateTime and one to NumberOfModifiedVersion.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 100 content complex
children	DateTime NumberOfModifiedVersion
annotation	<p>documentation</p> <p>Log of changes made by the LeadRU / contractual carrier during the transport.</p>
source	<pre> <xs:element name="ChangeLog" minOccurs="0" maxOccurs="100"> <xs:annotation> <xs:documentation>Log of changes made by the LeadRU / contractual carrier during the transport.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:annotation> <xs:documentation>DateTime, when the changes were applied.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:baseType> <code>base="xs:dateTime"</code> </xs:baseType> </xs:restriction> </xs:simpleType> </xs:element> <xs:element <xs:annotation> <xs:documentation>Version number of the modified message (as also written into COMHeader/COMVersionNumber).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:baseType> <code>base="xs:int"</code> </xs:baseType> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element **ConsignmentOrderMessage/COMS/COM_Header/ChangeLog/DateTime**

diagram	 DateTime DateTime, when the changes were applied.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:dateTime
properties	content simple
annotation	documentation DateTime, when the changes were applied.
source	<pre> <xs:element name="DateTime"> <xs:annotation> <xs:documentation>DateTime, when the changes were applied.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:dateTime"/> </xs:simpleType> </xs:element></pre>

element **ConsignmentOrderMessage/COMS/COM_Header/ChangeLog/NumberOfModifiedVersion**

diagram	 NumberOfModifiedVersion Version number of the modified message (as also written into COMHeader/COMVersionNumber).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:int
properties	content simple
annotation	documentation Version number of the modified message (as also written into COMHeader/COMVersionNumber).
source	<pre> <xs:element name="NumberOfModifiedVersion"> <xs:annotation> <xs:documentation>Version number of the modified message (as also written into COMHeader/COMVersionNumber).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"/> </xs:simpleType> </xs:element></pre>

element **ConsignmentOrderMessage/COMS/COM**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	AcceptancePoint DeliveryPoint Customers ConsignorDeclarations GeneralInformation AttachedDocuments CommercialSpecifications ContractNumber Routing SpecialTreatments CustomsProcedures CustomsData RU Declarations Wagons WagonPreviousNumberFreight ReferenceOriginalCN AgreedTimeOfDelivery
annotation	documentation Consignment order message
source	<pre> <xs:element name="COM"> <xs:annotation> <xs:documentation>Consignment order message</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="AcceptancePoint"> <xs:annotation> <xs:documentation>Description of location and time for the take over the consignment</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:sequence> <xs:element ref="Station"/> <xs:element ref="ProductionStation" minOccurs="0"/> <xs:element ref="PreviousResponsibleRU" minOccurs="0"> <xs:annotation> <xs:documentation>This element identifies the RU, which was responsible for the train operation on the journey section before an interchange point</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AcceptanceDate" minOccurs="0"> <xs:annotation> <xs:documentation>Date and time (month, day and hour) at which the goods were accepted.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:dateTime"> <xs:pattern value=".*00:00[+-]\d{2}:\d{2}"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="ResponsibleRU"/> <xs:element name="COM_ConsignmentNumber"> <xs:annotation> <xs:documentation>Running number and check digit of the consignment between Lead RU and Responsible RU. Format: NNNNNC The number consists of NNNNN = running number C = check digit, </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="6"/> <xs:pattern value="\d*[1-9]\d*"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ForwardingTrainNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Train number at shipping</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="6"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="LoadingFacility" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="DeliveryPoint"> <xs:annotation> <xs:documentation>Description of location and time for the hand over of the consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> </pre>
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	<pre> <xs:element ref="Station" /> <xs:element ref="ProductionStation" minOccurs="0" /> <xs:element ref="NextResponsibleRU" minOccurs="0" /> <xs:element ref="LoadingFacility" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="Customers" maxOccurs="2" /> <xs:element name="ConsignorDeclarations" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Consignors declarartions, this element contains either declarations of the original consignor or declarations of the LeadRU as consignor</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ConsignorDeclarationsCode" type="xs:string"> <xs:annotation> <xs:documentation>Coded consignor declaration</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DeclarationText" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="GeneralInformation" minOccurs="0" /> <xs:annotation> <xs:documentation>Genearal information about the complete consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ConsignorReference" minOccurs="0" /> <xs:annotation> <xs:documentation>Consignor's reference concerning the consignment</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1" /> <xs:maxLength value="35" /> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="WagonGroupInfo" minOccurs="0" /> <xs:annotation> <xs:documentation>Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="500" /> <xs:minLength value="1" /> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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	<pre> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="AttachedDocuments" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Paper documents accompanying the transport</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DocumentType"> <xs:annotation> <xs:documentation>Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="DocumentInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information regarding the document may be entered here.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Quantity" minOccurs="0"/> <xs:element name="DocumentTypeDescription" minOccurs="0"> <xs:annotation> <xs:documentation>Description of document type, when it is not in the UN/EDIFACT 1001 list included.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="CommercialSpecifications" minOccurs="0" maxOccurs="5"> <xs:annotation> <xs:documentation>Commercial Specification</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> </pre>
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	<pre> <xs:element name="Code"> <xs:annotation> <xs:documentation>Commercial specifications code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"/> </xs:simpleType> </xs:element> <xs:element name="SpecificationText" minOccurs="0"> <xs:annotation> <xs:documentation>Additional Text for codes with free text</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="ContractNumber"/> <xs:element ref="Routing" minOccurs="0"/> <xs:element ref="SpecialTreatments" minOccurs="0" maxOccurs="30"/> <xs:element name="CustomsProcedures" minOccurs="0"> <xs:annotation> <xs:documentation>Customs procedures</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="RU_Partner" minOccurs="0"> <xs:annotation> <xs:documentation>Code of the RU entrusted of customs procedures.</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="Location"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="CustomsData" minOccurs="0"> <xs:annotation> <xs:documentation>Customs Data</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="SimplifiedTransportProcedure" minOccurs="0"> <xs:annotation> <xs:documentation>Simplified transport procedure is used (STP).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:boolean"/> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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	<pre> <xs:element name="PrincipalRU" type="CompanyCode" minOccurs="0"> <xs:annotation> <xs:documentation>Code for the principal RU</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CustomsSurveillance"> <xs:annotation> <xs:documentation>Good under customs surveillance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:boolean"/> </xs:simpleType> </xs:element> <xs:element name="CustomsEndorsements" minOccurs="0"> <xs:annotation> <xs:documentation>Reserved for endorsements by customs or a consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="RU_Declarations" minOccurs="0"> <xs:annotation> <xs:documentation>Carriers declaration</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="RU_Declaration" minOccurs="0" maxOccurs="30"> <xs:annotation> <xs:documentation>Details of the carriers declaration.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DeclaringRU" type="CompanyCode"> <xs:annotation> <xs:documentation>Code of carrier, who added the declaration.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RU_DeclarationCode"> <xs:annotation> <xs:documentation>Carrier declaration code. </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration </pre>
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```

<xs:annotation>
  <xs:documentation>Without
packing</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="2">
  <xs:annotation>
    <xs:documentation>Unsatisfactory packaging: details)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="3">
  <xs:annotation>
    <xs:documentation>Insufficient packaging: ... details)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="4.1">
  <xs:annotation>
    <xs:documentation>Goods clearly in poor condition: ... (give details)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="4.2">
  <xs:annotation>
    <xs:documentation>Goods damaged: (give details)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="4.3">
  <xs:annotation>
    <xs:documentation>Goods wet: ... (give details)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="4.4">
  <xs:annotation>
    <xs:documentation>Goods frozen: ... (give details)</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="5">
  <xs:annotation>
    <xs:documentation>Loaded by the consignor</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="6">
  <xs:annotation>
    <xs:documentation>Loaded by the carrier in inclement weather at the request of the consignor </xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="7">
  <xs:annotation>
    <xs:documentation>Unloaded by the consignee</xs:documentation>
  </xs:annotation>

```

```
</xs:enumeration>
<xs:enumeration value="8">
    <xs:annotation>
        <xs:documentation>Unloaded by the carrier in
...</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="9.1">
    <xs:annotation>
        <xs:documentation>Inclement weather, at the
request of the consignee Impossible to make the examination in accordance with
CIM Article 11 section 3, because of inclement weather </xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="9.2">
    <xs:annotation>
        <xs:documentation>Inclement weather, at the
request of the consignee Impossible to make the examination in accordance with
CIM Article 11 section 3, because of sealing of the wagon or ITU
</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="9.3">
    <xs:annotation>
        <xs:documentation>Inclement weather, at the
request of the consignee Impossible to make the examination in accordance with
CIM Article 11 section 3, because of load in the wagon or ITU inaccessible
</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="10">
    <xs:annotation>
        <xs:documentation>Request for examination in
accordance with CIM Article 11 section 3 presented late by the
consignor</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="11">
    <xs:annotation>
        <xs:documentation>Examination not made because of
a shortage of resources: ... (give details)</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="12">
    <xs:annotation>
        <xs:documentation>Other reserves: ... (give
details)</xs:documentation>
    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="13">
    <xs:annotation>
        <xs:documentation>Code used for declarations,
which are no reservations. This code is not included in the official CIT code
list and is not to be printed on the paper consignment note.</xs:documentation>
    </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
```

	<pre> </xs:element> <xs:element ref="DeclarationText" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="DifferentAcceptance" minOccurs="0"> <xs:annotation> <xs:documentation>Details of the changes of the acceptance point given by the consignor.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DifferentAcceptancePoint" type="LocationIdent" minOccurs="0"> <xs:annotation> <xs:documentation>Variance of acceptance point given in structure AcceptancePoint.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="DifferentAcceptanceDate" minOccurs="0"> <xs:annotation> <xs:documentation>Variance of acceptance date given structure AcceptancePoint.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:pattern base="xs:dateTime" value=".*00:00[+-]\d{2}:\d{2}"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="Wagons" maxOccurs="99"> <xs:annotation> <xs:documentation>Contains list of transported Goods, Wagons and etc.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="WagonPreviousNumberFreight" minOccurs="0" maxOccurs="20"> <xs:annotation> <xs:documentation>Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length base="xs:string" value="12"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ReferenceOriginalCN" minOccurs="0"> <xs:annotation> <xs:documentation>Reference to the original consignment note </pre>
--	---

	<p>between lead RU/contractual carrier and consignor</p> <pre></xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="AgreedTimeOfDelivery" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>
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element **ConsignmentOrderMessage/COMS/COM/AcceptancePoint**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Station ProductionStation PreviousResponsibleRU AcceptanceDate ResponsibleRU COM_ConsignmentNumber ForwardingTrainNumber LoadingFacility
annotation	<p>documentation</p> <p>Description of location and time for the take over of the consignment</p>
source	<pre><xs:element name="AcceptancePoint"> <xs:annotation> <xs:documentation>Description of location and time for the take over of the consignment</xs:documentation> </xs:annotation> </xs:element></pre>

	<pre> <xs:sequence> <xs:element ref="Station" /> <xs:element ref="ProductionStation" minOccurs="0" /> <xs:element ref="PreviousResponsibleRU" minOccurs="0" /> <xs:annotation> <xs:documentation>This element identifies the RU, which was responsible for the train operation on the journey section before an interchange point</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AcceptanceDate" minOccurs="0" /> <xs:annotation> <xs:documentation>Date and time (month, day and hour) at which the goods were accepted.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:pattern value=".*00:00[+-]\d{2}:\d{2}" /> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="ResponsibleRU" /> <xs:element name="COM_ConsignmentNumber" /> <xs:annotation> <xs:documentation>Running number and check digit of the consignment between Lead RU and Responsible RU. Format: NNNNNC The number consists of NNNNN = running number C = check digit, </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length value="6" /> <xs:pattern value="\d*[1-9]\d*"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ForwardingTrainNumber" minOccurs="0" /> <xs:annotation> <xs:documentation>Train number at shipping </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1" /> <xs:maxLength value="6" /> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="LoadingFacility" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **ConsignmentOrderMessage/COMS/COM/AcceptancePoint/AcceptanceDate**

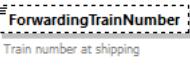
diagram	<p>AcceptanceDate Date and time (month, day and hour) at which the goods were accepted.</p>
---------	---

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:dateTime		
properties	minOcc 0 maxOcc 1 content simple		
facets	Kind Value Annotation pattern .*00:00[+-]\d{2}:\d{2}		
annotation	documentation Date and time (month, day and hour) at which the goods were accepted.		
source	<pre> <xs:element name="AcceptanceDate" minOccurs="0"> <xs:annotation> <xs:documentation>Date and time (month, day and hour) at which the goods were accepted. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:dateTime"> <xs:pattern value=".*00:00[+-]\d{2}:\d{2}" /> </xs:restriction> </xs:simpleType> </xs:element> </pre>		

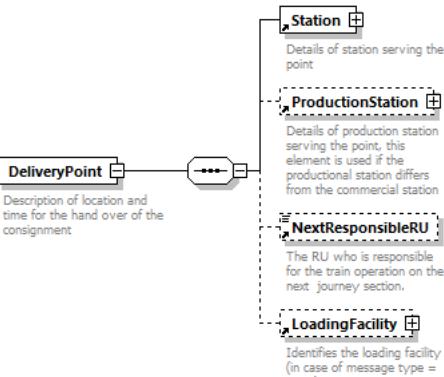
element **ConsignmentOrderMessage/COMS/COM/AcceptancePoint/COM_ConsignmentNumber**

diagram	 <p>Running number and check digit of the consignment between Lead RU and Responsible RU. Format: NNNNNC The number consists of NNNNN = running number C = check digit.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple
facets	Kind Value Annotation length 6 pattern \d*[1-9]\d*
annotation	documentation Running number and check digit of the consignment between Lead RU and Responsible RU. Format: NNNNNC The number consists of NNNNN = running number C = check digit,
source	<pre> <xs:element name="COM_ConsignmentNumber"> <xs:annotation> <xs:documentation>Running number and check digit of the consignment between Lead RU and Responsible RU. Format: NNNNNC The number consists of NNNNN = running number C = check digit, </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="6"/> <xs:pattern value="\d*[1-9]\d*"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **ConsignmentOrderMessage/COMS/COM/AcceptancePoint/ForwardingTrainNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 6
annotation	documentation Train number at shipping
source	<pre><xs:element name="ForwardingTrainNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Train number at shipping</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="6"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **ConsignmentOrderMessage/COMS/COM/DeliveryPoint**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Station ProductionStation NextResponsibleRU LoadingFacility
annotation	documentation Description of location and time for the hand over of the consignment
source	<pre><xs:element name="DeliveryPoint"> <xs:annotation> <xs:documentation>Description of location and time for the hand over of the consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence></pre>

	<pre> <xs:element <xs:element ref="ProductionStation" minOccurs="0"/> <xs:element ref="NextResponsibleRU" minOccurs="0"/> <xs:element ref="LoadingFacility" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>	
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element ConsignmentOrderMessage/COMS/COM/ConsignorDeclarations

diagram	<pre> classDiagram class ConsignorDeclarations { *--> ConsignorDeclarationsCode *--> DeclarationText } class ConsignorDeclarationsCode { Coded consignor declaration } class DeclarationText { Additional Text for codes with free text } </pre> <p>Consignors declarations, this element contains either declarations of the original consignor or declarations of the LeadRU as consignor</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 10 content complex
children	ConsignorDeclarationsCode DeclarationText
annotation	documentation Consignors declarartions, this element contains either declarations of the original consignor or declarations of the LeadRU as consignor
source	<pre> <xs:element name="ConsignorDeclarations" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Consignors declarartions, this element contains either declarations of the original consignor or declarations of the LeadRU as consignor</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ConsignorDeclarationsCode" type="xs:string"> <xs:annotation> <xs:documentation>Coded consignor declaration</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DeclarationText" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element ConsignmentOrderMessage/COMS/COM/ConsignorDeclarations/ConsignorDeclarationsCode

diagram	<pre> classDiagram class ConsignorDeclarationsCode { Coded consignor declaration } </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:string
properties	content simple
annotation	documentation Coded consignor declaration
source	<pre><xs:element name="ConsignorDeclarationsCode" type="xs:string"></pre>

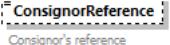
	<pre> <xs:annotation> <xs:documentation>Coded consignor declaration</xs:documentation> </xs:annotation> </xs:element> </pre>
--	--

element **ConsignmentOrderMessage/COMS/COM/GeneralInformation**

diagram	<pre> classDiagram class GeneralInformation { <<General information about the complete consignment>> } class ConsignorReference { <<Consignor's reference concerning the complete consignment>> } class WagonGroupInfo { <<Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.>> } GeneralInformation "2" --> "1" ConsignorReference GeneralInformation "2" --> "1" WagonGroupInfo </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	ConsignorReference WagonGroupInfo
annotation	<p>documentation</p> <p>Genearal information about the complete consignment</p>
source	<pre> <xs:element name="GeneralInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Genearal information about the complete consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ConsignorReference" minOccurs="0"> <xs:annotation> <xs:documentation>Consignor's reference concerning the complete consignment</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xsmaxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="WagonGroupInfo" minOccurs="0"> <xs:annotation> <xs:documentation>Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="500"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<code></xs:element></code>
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element ConsignmentOrderMessage/COMS/COM/GeneralInformation/ConsignorReference

diagram										
namespace	http://www.era.europa.eu/schemas/TAFTSI/3.1									
type	restriction of <code>xs:string</code>									
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>simple</td></tr> </table>	minOcc	0	maxOcc	1	content	simple			
minOcc	0									
maxOcc	1									
content	simple									
facets	<table> <tr> <td>Kind</td><td>Value</td><td>Annotation</td></tr> <tr> <td>minLength</td><td>1</td><td></td></tr> <tr> <td>maxLength</td><td>35</td><td></td></tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	35	
Kind	Value	Annotation								
minLength	1									
maxLength	35									
annotation	<p>documentation</p> <p>Consignor's reference concerning the complete consignment</p>									
source	<pre> <xs:element name="ConsignorReference" minOccurs="0"> <xs:annotation> <xs:documentation>Consignor's reference concerning the complete consignment</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element ConsignmentOrderMessage/COMS/COM/GeneralInformation/WagonGroupInfo

diagram										
namespace	http://www.era.europa.eu/schemas/TAFTSI/3.1									
type	restriction of <code>xs:string</code>									
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>simple</td></tr> </table>	minOcc	0	maxOcc	1	content	simple			
minOcc	0									
maxOcc	1									
content	simple									
facets	<table> <tr> <td>Kind</td><td>Value</td><td>Annotation</td></tr> <tr> <td>minLength</td><td>1</td><td></td></tr> <tr> <td>maxLength</td><td>500</td><td></td></tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	500	
Kind	Value	Annotation								
minLength	1									
maxLength	500									
annotation	<p>documentation</p> <p>Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.</p>									
source	<pre> <xs:element name="WagonGroupInfo" minOccurs="0"> <xs:annotation> <xs:documentation>Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.</xs:documentation> </xs:annotation> </xs:element> </pre>									

	<pre> </xs:annotation> <xss:simpleType> <xs:restriction> <xs:maxLength <xs:minLength </xs:restriction> </xss:simpleType> </xs:element> </pre>	<pre> base="xs:string"> value="500"/> value="1"/> </pre>
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element **ConsignmentOrderMessage/COMS/COM/AttachedDocuments**

diagram	<pre> classDiagram class AttachedDocuments { <<AttachedDocuments>> 0..10 Paper documents accompanying the transport } class DocumentType { <<DocumentType>> Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents. } class DocumentInformation { <<DocumentInformation>> Additional information regarding the attached document may be entered here. } class Quantity { <<Quantity>> Amount of the loading tackles of the specified type. } class DocumentTypeDescription { <<DocumentTypeDescription>> Description of document type, when it is not in the UN/EDIFACT 1001 list included. } AttachedDocuments "0..10" --> DocumentInformation AttachedDocuments --> DocumentType AttachedDocuments --> DocumentTypeDescription AttachedDocuments --> Quantity </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 10 content complex
children	DocumentType DocumentInformation Quantity DocumentTypeDescription
annotation	documentation Paper documents accompanying the transport
source	<pre> <xs:element name="AttachedDocuments" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Paper documents accompanying the transport</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DocumentType"> <xs:annotation> <xs:documentation>Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive value="1"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="DocumentInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information regarding the attached document may be entered here.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Quantity" minOccurs="0"/> <xs:element name="DocumentTypeDescription" minOccurs="0"> <xs:annotation> <xs:documentation>Description of document type, when it is not in UN/EDIFACT 1001 list included.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>	<pre> base="xs:string"> value="1"/> value="35"/> </pre>
the	<pre> <xs:annotation> <xs:documentation>Description of document type, when it is not in UN/EDIFACT 1001 list included.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>	<pre> minOccurs="0"/> minOccurs="0"/> base="xs:string"> value="1"/> value="35"/> </pre>

element **ConsignmentOrderMessage/COMS/COM/AttachedDocuments/DocumentType**

diagram	 DocumentType Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:int									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	999	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	999									
annotation	documentation Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.									
source	<pre> <xs:element name="DocumentType"> <xs:annotation> <xs:documentation>Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element **ConsignmentOrderMessage/COMS/COM/AttachedDocuments/DocumentInformation**

diagram	 DocumentInformation Additional information regarding the attached document may be entered here.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Additional information regarding the attached document may be entered here.
source	<pre><xs:element name="DocumentInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information regarding the attached document may be entered here.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength> <xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **ConsignmentOrderMessage/COMS/COM/AttachedDocuments/DocumentTypeDescription**

diagram	 DocumentTypeDescription Description of document type, when it is not in the UN/EDIFACT 1001 list included.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Description of document type, when it is not in the UN/EDIFACT 1001 list included.
source	<pre><xs:element name="DocumentTypeDescription" minOccurs="0"> <xs:annotation> <xs:documentation>Description of document type, when it is not in the UN/EDIFACT 1001 list included.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength> <xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element></pre>

	<code></xs:simpleType></code> <code></xs:element></code>
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element **ConsignmentOrderMessage/COMS/COM/CommercialSpecifications**

diagram	<pre> classDiagram class CommercialSpecifications { <<Commercial Specification>> } class Code { <<Commercial specifications code>> } class SpecificationText { <<Additional Text for codes with free text>> } CommercialSpecifications "0..5" --> Code CommercialSpecifications "*" --> SpecificationText </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 5 content complex
children	Code SpecificationText
annotation	documentation Commercial Specification
source	<pre> <xs:element name="CommercialSpecifications" minOccurs="0" maxOccurs="5"> <xs:annotation> <xs:documentation>Commercial Specification</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Code"> <xs:annotation> <xs:documentation>Commercial specifications</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"/> </xs:simpleType> </xs:element> <xs:element name="SpecificationText" minOccurs="0"> <xs:annotation> <xs:documentation>Additional Text for codes with free text</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xsmaxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **ConsignmentOrderMessage/COMS/COM/CommercialSpecifications/Code**

diagram	<pre> classDiagram class Code { <<Commercial specifications code>> } </pre>
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namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:token
properties	content simple
annotation	documentation Commercial specifications code
source	<pre> <xs:element name="Code"> <xs:annotation> <xs:documentation>Commercial specifications code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"/> </xs:simpleType> </xs:element> </pre>

element **ConsignmentOrderMessage/COMS/COM/CommercialSpecifications/SpecificationText**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Additional Text for codes with free text
source	<pre> <xs:element name="SpecificationText" minOccurs="0"> <xs:annotation> <xs:documentation>Additional Text for codes with free text</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **ConsignmentOrderMessage/COMS/COM/CustomsProcedures**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

properties	minOcc 0 maxOcc 1 content complex
children	RU_Partner_Location
annotation	documentation Customs procedures
source	<pre> <xs:element name="CustomsProcedures" minOccurs="0"> <xs:annotation> <xs:documentation>Customs procedures</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="RU_Partner" minOccurs="0"> <xs:annotation> <xs:documentation>Code of the RU entrusted of customs procedures.</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="Location"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **ConsignmentOrderMessage/COMS/COM/CustomsData**

diagram	<pre> classDiagram class CustomsData class SimplifiedTransportProcedure class PrincipalRU class CustomsSurveillance class CustomsEndorsements CustomsData --> SimplifiedTransportProcedure : CustomsData --> PrincipalRU : CustomsData --> CustomsSurveillance : CustomsData --> CustomsEndorsements : </pre> <p>Detailed description: The diagram shows a class named 'CustomsData' with four associations. The first association points to 'SimplifiedTransportProcedure' with the note 'Simplified transport procedure is used (STP)'. The second association points to 'PrincipalRU' with the note 'Code for the principal RU'. The third association points to 'CustomsSurveillance' with the note 'Good under customs surveillance'. The fourth association points to 'CustomsEndorsements' with the note 'Reserved for endorsements by customs or a consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006.'</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	SimplifiedTransportProcedure PrincipalRU CustomsSurveillance CustomsEndorsements
annotation	documentation Customs Data
source	<pre> <xs:element name="CustomsData" minOccurs="0"> <xs:annotation> <xs:documentation>Customs Data</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="SimplifiedTransportProcedure" minOccurs="0"> <xs:annotation> <xs:documentation>Simplified transport procedure is used (STP).</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

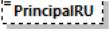
	<pre> <xs:simpleType> <xs:restriction> </xs:simpleType> </xs:element> <xs:element name="PrincipalRU" type="CompanyCode" minOccurs="0"> <xs:annotation> <xs:documentation>Code for the principal RU</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CustomsSurveillance" type="CompanyCode" minOccurs="0"> <xs:annotation> <xs:documentation>Good under customs surveillance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> </xs:simpleType> </xs:element> <xs:element name="CustomsEndorsements" type="CompanyCode" minOccurs="0"> <xs:annotation> <xs:documentation>Reserved for endorsements by customs or a consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element **ConsignmentOrderMessage/COMS/COM/CustomsData/SimplifiedTransportProcedure**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:boolean
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Simplified transport procedure is used (STP).
source	<pre> <xs:element name="SimplifiedTransportProcedure" minOccurs="0"> <xs:annotation> <xs:documentation>Simplified transport procedure is used (STP).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:base value="xs:boolean"/> </xs:restriction> </xs:simpleType> </pre>

	<code></xs:element></code>
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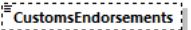
element **ConsignmentOrderMessage/COMS/COM/CustomsData/PrincipalRU**

diagram	 Code for the principal RU
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CompanyCode
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Code for the principal RU
source	<pre><xs:element name="PrincipalRU" type="CompanyCode" minOccurs="0"> <xs:annotation> <xs:documentation>Code for the principal RU</xs:documentation> </xs:annotation> </xs:element></pre>

element **ConsignmentOrderMessage/COMS/COM/CustomsData/CustomsSurveillance**

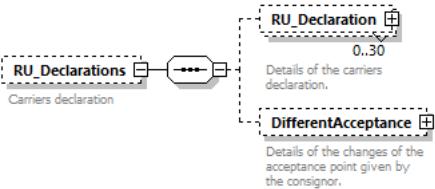
diagram	 Good under customs surveillance
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:boolean
properties	content simple
annotation	documentation Good under customs surveillance
source	<pre><xs:element name="CustomsSurveillance"> <xs:annotation> <xs:documentation>Good under customs surveillance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:boolean"/> </xs:simpleType> </xs:element></pre>

element **ConsignmentOrderMessage/COMS/COM/CustomsData/CustomsEndorsements**

diagram	 Reserved for endorsements by customs or a consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Reserved for endorsements by customs or a consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006.
source	<pre><xs:element name="CustomsEndorsements" minOccurs="0"> <xs:annotation> <xs:documentation>Reserved for endorsements by customs or a consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength> <xs:maxLength> </xs:restriction> </xs:simpleType> </xs:minLength> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **ConsignmentOrderMessage/COMS/COM/RU_Declarations**

diagram	 <pre> classDiagram class RU_Declarations { <<Carriers declaration>> } class RU_Declaration { <<0..30 Details of the carriers declaration.>> } class DifferentAcceptance { <<Details of the changes of the acceptance point given by the consignor.>> } RU_Declarations "0..30" *-- "1" RU_Declaration RU_Declarations "0..30" *-- "1" DifferentAcceptance </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	RU Declaration DifferentAcceptance
annotation	documentation Carriers declaration
source	<pre><xs:element name="RU_Declarations" minOccurs="0"> <xs:annotation> <xs:documentation>Carriers declaration</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="RU_Declaration" minOccurs="0" maxOccurs="30"> <xs:annotation> <xs:documentation>Details of the carriers declaration.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DeclaringRU" type="CompanyCode"> <xs:annotation></pre>

	<pre> <xs:documentation>Code of carrier, who added the declaration.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RU_DeclarationCode"> <xs:annotation> <xs:documentation>Carrier declaration code.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Without packing</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>Unsatisfactory packaging: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Insufficient packaging: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4.1"> <xs:annotation> <xs:documentation>Goods clearly in poor condition: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4.2"> <xs:annotation> <xs:documentation>Goods damaged: (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4.3"> <xs:annotation> <xs:documentation>Goods wet: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4.4"> <xs:annotation> <xs:documentation>Goods frozen: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>Loaded by the consignor</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	---

	<pre> <xs:enumeration value="6"> <xs:annotation> <xs:documentation>Loaded by the carrier in inclement weather at the request of the consignor </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="7"> <xs:annotation> <xs:documentation>Unloaded by the consignee</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="8"> <xs:annotation> <xs:documentation>Unloaded by the carrier in ...</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9.1"> <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of inclement weather </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9.2"> <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of sealing of the wagon or ITU </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9.3"> <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of load in the wagon or ITU inaccessible </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="10"> <xs:annotation> <xs:documentation>Request for examination in accordance with CIM Article 11 section 3 presented late by the consignor</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="11"> <xs:annotation> <xs:documentation>Examination not made because of a shortage of resources: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="12"> <xs:annotation> <xs:documentation>Other reserves: ... (give details)</xs:documentation> </xs:annotation> </pre>
--	---

```

        </xs:enumeration>
        <xs:enumeration value="13">
            <xs:annotation>
                <xs:documentation>Code used for declarations, which are no reservations. This code is not included in the official CIT code list and is not to be printed on the paper consignment note.</xs:documentation>
            </xs:annotation>
        </xs:enumeration>
        </xs:restriction>
    </xs:simpleType>
</xs:element>
<xs:element ref="DeclarationText" minOccurs="0"/>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="DifferentAcceptance" minOccurs="0">
    <xs:annotation>
        <xs:documentation>Details of the changes of the acceptance point given by the consignor.</xs:documentation>
    </xs:annotation>
</xs:complexType>
<xs:sequence>
    <xs:element name="DifferentAcceptancePoint" type="LocationIdent" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Variance of acceptance point given in AcceptancePoint.</xs:documentation>
        </xs:annotation>
    </xs:element>
    <xs:element name="DifferentAcceptanceDate" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Variance of acceptance date given structure AcceptancePoint.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction>
                <xs:pattern value=".*00:00[+-]\d{2}:\d{2}"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>

```

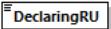
element **ConsignmentOrderMessage/COMS/COM/RU_Declarations/RU_Declaration**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 30 content complex
children	DeclaringRU RU_DeclarationCode DeclarationText
annotation	documentation Details of the carriers declaration.
source	<pre> <xs:element name="RU_Declaration" minOccurs="0" maxOccurs="30"> <xs:annotation> <xs:documentation>Details of the carriers declaration.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DeclaringRU" type="CompanyCode"> <xs:annotation> <xs:documentation>Code of carrier, who added the declaration.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RU_DeclarationCode"> <xs:annotation> <xs:documentation>Carrier declaration code. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:enumeration <xs:annotation> <xs:documentation>Without packing</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Unsatisfactory packaging: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Insufficient packaging: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Goods clearly in poor condition: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Goods damaged: (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Goods wet: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Goods frozen: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Loaded by the consignor</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Loaded by the carrier in inclement weather at the request of the consignor </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Unloaded by the the consignee</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Unloaded by the carrier in ...</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of inclement weather </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of sealing of the wagon or ITU </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of load in the wagon or ITU inaccessible </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Request for examination in accordance with CIM Article 11 section 3 presented late by the consignor</xs:documentation> </pre>
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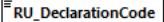
	<pre> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Examination not made because of a shortage of resources: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Other reserves: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Code used for declarations, which are no reservations. This code is not included in the official CIT code list and is not to be printed on the paper consignment note.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="DeclarationText" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **ConsignmentOrderMessage/COMS/COM/RU_Declarations/RU_Declaration/DeclaringRU**

diagram	 <p>Code of carrier, who added the declaration.</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	CompanyCode												
properties	content simple												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												
annotation	documentation Code of carrier, who added the declaration.												
source	<pre> <xs:element name="DeclaringRU" type="CompanyCode"> <xs:annotation> <xs:documentation>Code of carrier, who added the declaration.</xs:documentation> </xs:annotation> </xs:element> </pre>												

element

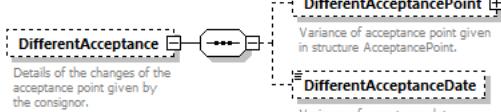
ConsignmentOrderMessage/COMS/COM/RU_Declarations/RU_DeclarationCode

diagram	 RU_DeclarationCode Carrier declaration code.		
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:string		
properties	content simple		
facets	Kind	Value	Annotation
	enumeration	1	documentation Without packing
	enumeration	2	documentation Unsatisfactory packaging: ...(give details)
	enumeration	3	documentation Insufficient packaging: ... (give details)
	enumeration	4.1	documentation Goods clearly in poor condition: ... (give details)
	enumeration	4.2	documentation Goods damaged:(give details)
	enumeration	4.3	documentation Goods wet: ... (give details)
	enumeration	4.4	documentation Goods frozen: ... (give details)
	enumeration	5	documentation Loaded by the consignor
	enumeration	6	documentation Loaded by the carrier in inclement weather at the request of the consignor
	enumeration	7	documentation Unloaded by the consignee
	enumeration	8	documentation Unloaded by the carrier in ...
	enumeration	9.1	documentation Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of inclement weather
	enumeration	9.2	documentation Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of sealing of the wagon or ITU
	enumeration	9.3	documentation Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of load in the wagon or ITU inaccessible
	enumeration	10	documentation Request for examination in accordance with CIM Article 11 section 3 presented late by the consignor
	enumeration	11	documentation Examination not made because of a shortage of resources: ... (give details)
	enumeration	12	documentation Other reserves: ... (give details)
	enumeration	13	documentation Code used for declarations, which are no reservations. This code is not included in the official CIT code list and is not to be printed on the paper consignment note.
annotation	documentation Carrier declaration code.		
source	<pre> <xs:element name="RU_DeclarationCode"> <xs:annotation> <xs:documentation>Carrier declaration code. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="1"> <xs:annotation> </pre>		

	<pre> <xs:documentation>Without </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Unsatisfactory details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Insufficient details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Goods clearly in poor condition: ... details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Goods damaged:(give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Goods wet: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Goods details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Loaded by the consignor</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Loaded by the carrier in inclement weather at the request of the consignor </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Unloaded by the consignee</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Unloaded by the carrier in ... </xs:documentation> </xs:annotation> </xs:enumeration></pre>	<p>packing</xs:documentation> value="2"> packaging: ... (give details) value="3"> packaging: ... (give details) value="4.1"> Goods clearly in poor condition: ... (give details) value="4.2"> Goods damaged:(give details)</xs:documentation> value="4.3"> Goods wet: ... (give details)</xs:documentation> value="4.4"> Goods frozen: ... (give details) value="5"> Loaded by the consignor</xs:documentation> value="6"> Loaded by the carrier in inclement weather at the request of the consignor </xs:documentation> value="7"> Unloaded by the consignee</xs:documentation> value="8"> Unloaded by the carrier in ... </xs:documentation></p>
--	--	--

	<pre> <xs:enumeration value="9.1"> <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of inclement weather </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9.2"> <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of sealing of the wagon or ITU </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9.3"> <xs:annotation> <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of load in the wagon or ITU inaccessible </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="10"> <xs:annotation> <xs:documentation>Request for examination in accordance with CIM Article 11 section 3 presented late by the consignor</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="11"> <xs:annotation> <xs:documentation>Examination not made because of a shortage of resources: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="12"> <xs:annotation> <xs:documentation>Other reserves: ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="13"> <xs:annotation> <xs:documentation>Code used for declarations, which are no reservations. This code is not included in the official CIT code list and is not to be printed on the paper consignment note.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element></pre>
--	--

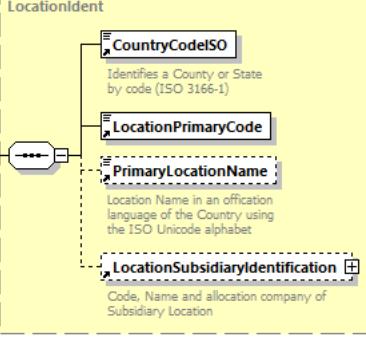
element **ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	DifferentAcceptancePoint DifferentAcceptanceDate
annotation	documentation Details of the changes of the acceptance point given by the consignor.
source	<pre> <xs:element name="DifferentAcceptance" minOccurs="0"> <xs:annotation> <xs:documentation>Details of the changes of the acceptance point given by the consignor.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DifferentAcceptancePoint" type="LocationIdent" minOccurs="0"> <xs:annotation> <xs:documentation>Variance of acceptance point given in structure AcceptancePoint.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="DifferentAcceptanceDate" minOccurs="0"> <xs:annotation> <xs:documentation>Variance of acceptance date given structure AcceptancePoint.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:pattern value=".*00:00[+-]\d{2}:\d{2}"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element

ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance/DifferentAcceptanceP

oint

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	minOcc 0 maxOcc 1 content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	documentation Variance of acceptance point given in structure AcceptancePoint.
source	<pre><xs:element name="DifferentAcceptancePoint" type="LocationIdent" minOccurs="0"> <xs:annotation> <xs:documentation>Variance of acceptance point given in structure AcceptancePoint.</xs:documentation> </xs:annotation> </xs:element></pre>

element**ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance/DifferentAcceptanceDate**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:dateTime
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern .*00:00[+-]\d{2}:\d{2}
annotation	documentation Variance of acceptance date given structure AcceptancePoint.
source	<pre><xs:element name="DifferentAcceptanceDate" minOccurs="0"> <xs:annotation> <xs:documentation>Variance of acceptance date given structure AcceptancePoint.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:dateTime"> <xs:pattern value=".*00:00[+-]\d{2}:\d{2}" /> </xs:restriction> </xs:simpleType> </xs:element></pre>

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

element **ConsignmentOrderMessage/COMS/COM/WagonPreviousNumberFreight**

diagram	<p>Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 20 content simple
facets	Kind Value Annotation length 12
annotation	documentation Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey
source	<pre> <xs:element name="WagonPreviousNumberFreight" minOccurs="0" maxOccurs="20"> <xs:annotation> <xs:documentation>Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **ConsignmentOrderMessage/COMS/COM/ReferenceOriginalCN**

diagram	<p>Reference to the original consignment note between lead RU/contractual carrier and consignor</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 150
annotation	documentation Reference to the original consignment note between lead RU/contractual carrier and consignor
source	<pre> <xs:element name="ReferenceOriginalCN" minOccurs="0"> <xs:annotation> <xs:documentation>Reference to the original consignment note between lead RU/contractual carrier and consignor</xs:documentation> </xs:annotation> <xs:simpleType> </pre>

	<pre> <xs:restriction> <xs:minLength value="1"/> <xsmaxLength value="150"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	---

element **ContainerHandlingFlag**

diagram	<p>This establishment is able to handle container traffic</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element LocationPrimaryInformation
annotation	documentation This establishment is able to handle container traffic
source	<pre> <xs:element name="ContainerHandlingFlag" type="xs:boolean"> <xs:annotation> <xs:documentation>This establishment is able to handle container traffic</xs:documentation> </xs:annotation> </xs:element> </pre>

element **ContractNumber**

diagram	<p>Number of agreement between LeadRU and Responsible RU</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	restriction of xs:string												
properties	content simple												
used by	elements ConsignmentOrderMessage/COMS/COM_WIMO Dataset/ConsignmentLevelData												
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>1</td> <td>documentation</td> </tr> <tr> <td></td> <td></td> <td>has to be sent as n6 (with leading zeros if necessary)</td> </tr> <tr> <td>maxLength</td> <td>6</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1	documentation			has to be sent as n6 (with leading zeros if necessary)	maxLength	6	
Kind	Value	Annotation											
minLength	1	documentation											
		has to be sent as n6 (with leading zeros if necessary)											
maxLength	6												
annotation	documentation Number of agreement between LeadRU and Responsible RU												
source	<pre> <xs:element name="ContractNumber"> <xs:annotation> <xs:documentation>Number of agreement between LeadRU and Responsible RU</xs:documentation> </xs:annotation> </xs:element> </pre> <pre> <xs:restriction> <xs:minLength value="1"/> </xs:restriction> </pre> <pre> <xs:annotation> <xs:documentation>has to be sent as n6 (with leading zeros if necessary)</xs:documentation> </xs:annotation> </pre>												

	<pre>necessary)</xs:documentation> </xs:annotation> </xs:minLength> <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element></pre>	<code>value="6"/></code>
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element ContractNumberMovement

diagram	<p>Identifies the contract between LeadRU and RU involved in the transport</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	FreeText									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>255</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	255	
Kind	Value	Annotation								
minLength	1									
maxLength	255									
annotation	<p>documentation</p> <p>Identifies the contract between LeadRU and RU involved in the transport</p>									
source	<pre><xs:element name="ContractNumberMovement" type="FreeText"> <xs:annotation> <xs:documentation>Identifies the contract between LeadRU and RU involved in the transport</xs:documentation> </xs:annotation> </xs:element></pre>									

element CoordinatingIM

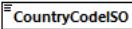
diagram	<p>The coordinating (leading) IM coordinates the agreement process for the IM's. It is the primary point of contact for the RU's. Certain critical stages in the international timetabling process are initiated by the leading IM, such as transfer the path request to path elaboration to involved IMs in order to prepare the offer with the partner-IMs.</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	CompanyCode												
properties	content simple												
used by	PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												
annotation	<p>documentation</p> <p>The coordinating (leading) IM coordinates the agreement process for the IM's. It is the primary point of contact for the RU's. Certain critical stages in the international timetabling process are initiated by the leading IM, such as transfer the path request to path elaboration to involved IMs in order to prepare the offer with the partner-IMs.</p>												

source	<pre><xs:element name="CoordinatingIM" type="CompanyCode"> <xs:annotation> <xs:documentation>The coordinating (leading) IM coordinates the agreement process for the IM's. It is the primary point of contact for the RU's. Certain critical stages in the international timetabling process are initiated by the leading IM, such as transfer the path request to path elaboration to involved IMs in order to prepare the offer with the partner-IMs. </xs:documentation> </xs:annotation> </xs:element></pre>
--------	--

element **Core**

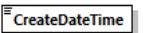
diagram	 <p>It is the main part of identifier and is determent by the company that creates it.</p>															
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1															
type	restriction of xs:string															
properties	content simple															
used by	complexTypes CompositIdentifierOperationalType CompositIdentifierPlannedType															
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>12</td> <td></td> </tr> <tr> <td>maxLength</td> <td>12</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>replace</td> <td></td> </tr> <tr> <td>pattern</td> <td>[\\-*0-9A-Z]{12}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	12		maxLength	12		whiteSpace	replace		pattern	[\\-*0-9A-Z]{12}	
Kind	Value	Annotation														
minLength	12															
maxLength	12															
whiteSpace	replace															
pattern	[\\-*0-9A-Z]{12}															
annotation	<p>documentation</p> <p>It is the main part of identifier and is determent by the company that creates it.</p>															
source	<pre><xs:element name="Core"> <xs:annotation> <xs:documentation>It is the main part of identifier and is determent by the company that creates it.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="12"/> <xs:whiteSpace value="replace"/> <xs:maxLength value="12"/> <xs:pattern value="[\-*0-9A-Z]{12}"/> </xs:restriction> </xs:simpleType> </xs:element></pre>															

element **CountryCodeISO**

diagram	 <p>Identifies a County or State by code (ISO 3166-1)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of CountryIdentISO
properties	content complex

used by	elements	RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber
		RollingRoadUnit/RollingRoadUnitDetails/Haulier
	complexTypes	LocationFileDatasetMessage
		RollingRoadUnit/RollingRoadUnitDetails/Vehicles
		CustomerCode LocationIdent
facets	Kind Value Annotation	
	minLength 2	
	maxLength 2	
annotation	documentation	
	Identifies a County or State by code (ISO 3166-1)	
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 CreateDateTime

diagram	 CreateDateTime Date and Time of creation of data
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
annotation	documentation Date and Time of creation of data
source	<pre><xs:element name="CreateDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and Time of creation of data </xs:documentation> </xs:annotation> </xs:element></pre>

element **Customer**

diagram	<pre> classDiagram class Customer { <<Consignor or Consignee>> } class CustomerCode { <<CustomerCode (extension)>> } class CountryCodeISO { <<Identifies a County or State by code (ISO 3166-1)>> } class PrimaryCode class AdditionalCode class Type { <<Customer Type: CR Consignor, CE Consignee>> } class CustomerCode { <<CODE: Customer Code of the Contractual Carrier>> } class Name { <<General Name in Free Text>> } class AdditionalInformation { <<Additional Information supplied by Customer>> } class VAT { <<Value Added Tax>> } class POBox { <<P.O. Box>> } class StreetNumber { <<Street Number>> } class Street { <<Street>> } class Country { <<Country Code ISO>> } class ZIPCode { <<Postal Code>> } class City { <<City / Town>> } class Signature class Contacts class ContractualCarrierCode { <<Contractual Carrier Code>> } Customer "1" -- "*" CustomerCode : CustomerCode "1" -- "*" Type : CustomerCode "1" -- "*" Customer : CustomerCode "1" -- "*" CountryCodeISO : CustomerCode "1" -- "*" PrimaryCode : CustomerCode "1" -- "*" AdditionalCode : CustomerCode "1" -- "*" Type : CustomerCode "1" -- "*" Customer : CustomerCode "1" -- "*" CountryCodeISO : CustomerCode "1" -- "*" PrimaryCode : CustomerCode "1" -- "*" AdditionalCode : Type -- "*" CustomerCode : Type -- "*" Customer : </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of CustomerCode
properties	content complex
children	CountryCodeISO PrimaryCode AdditionalCode Type CustomerCode Name AdditionalInformation VAT POBox StreetNumber Street Country ZIPCode City Signature Contracts ContractualCarrierCode
used by	element WIMO Dataset/ConsignmentLevelData
annotation	documentation Consignor or Consignee
source	<pre> <xsd:element name="Customer"> <xsd:annotation> <xsd:documentation>Consignor or Consignee</xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:complexContent> <xsd:extension base="CustomerCode"> <xsd:sequence> <xsd:element name="Type" minOccurs="0"> </xsd:sequence> </xsd:extension> </xsd:complexContent> </xsd:complexType> </xsd:element> </pre>

	<pre> <xs:annotation> <xs:documentation>Customer Type: CR Consignor, CE Consignee</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration> <xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="CustomerCode" minOccurs="0"> <xs:annotation> <xs:documentation>CODE: Customer Code of the Contractual Carrier</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Name" minOccurs="0"/> <xs:element name="AdditionalInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Additional Information supplied by Customer</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="VAT" minOccurs="0"> <xs:annotation> <xs:documentation>Value Added Tax</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="POBox" minOccurs="0"> <xs:annotation> <xs:documentation>P.O. Box</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:annotation> </xs:element> </xs:annotation> </xs:element> </xs:simpleType> </xs:element> </xs:annotation> </pre>
--	---

	<pre> <xs:element name="StreetNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Street Number</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Street" minOccurs="0"> <xs:annotation> <xs:documentation>Street</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Country" minOccurs="0"> <xs:annotation> <xs:documentation>Country Code ISO</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length value="2"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ZIPCode" minOccurs="0"> <xs:annotation> <xs:documentation>Postal Code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="9"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="City" minOccurs="0"> <xs:annotation> <xs:documentation>City / Town</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Signature" minOccurs="0"> <xs:annotation> <xs:documentation>Signature</xs:documentation> </xs:annotation> </pre>
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```

<xs:simpleType>
  <xs:restriction>
    <xs:minLength value="1"/>
    <xsmaxLength value="35"/>
  </xs:restriction>
</xs:simpleType>
</xs:element>
<xs:element name="Contacts" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Contact information</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="PhonNumber" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Telephone Number</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction>
            <xs:minLength value="1"/>
            <xsmaxLength value="30"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element ref="FaxNumber" minOccurs="0"/>
      <xs:element ref="eMail" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ContractualCarrierCode" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Contractual Carrier Code</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction>
      <xs:length value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
</xs:sequence>
</xs:extension>
</xs:complexContent>
</xs:complexType>
</xs:element>

```

element **Customer/Type**

diagram	 Customer Type: CR Consignor, CE Consignee
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:token
properties	minOcc 0 maxOcc 1 content simple

facets	Kind Value Annotation enumeration CR enumeration CE
annotation	documentation Customer Type: CR Consignor, CE Consignee
source	<pre><xs:element name="Type" minOccurs="0"> <xs:annotation> <xs:documentation>Customer Type: CR Consignor, CE Consignee</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration> <xs:enumeration> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **Customer/CustomerCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 16
annotation	documentation CODE: Customer Code of the Contractual Carrier
source	<pre><xs:element name="CustomerCode" minOccurs="0"> <xs:annotation> <xs:documentation>CODE: Customer Code of the Contractual Carrier</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="16"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **Customer/AdditionalInformation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 45
annotation	documentation Additional Information supplied by Customer
source	<pre><xs:element name="AdditionalInformation" minOccurs="0"> <xss:annotation> <xss:documentation>Additional Information supplied by Customer</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction> <xss:minLength <xss:maxLength </xss:restriction> </xss:simpleType> </xss:element></pre>

element Customer/VAT

diagram	 VAT Value Added Tax
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 25
annotation	documentation Value Added Tax
source	<pre><xs:element name="VAT" minOccurs="0"> <xss:annotation> <xss:documentation>Value Added Tax</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction> <xss:minLength <xss:maxLength </xss:restriction> </xss:simpleType> </xss:element></pre>

element Customer/POBox

diagram	 POBox P.O. Box
---------	---

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:string		
properties	minOcc 0 maxOcc 1 content simple		
facets	Kind Value Annotation minLength 1 maxLength 35		
annotation	documentation P.O. Box		
source	<pre> <xs:element name="POBox" minOccurs="0"> <xs:annotation> <xs:documentation>P.O. Box</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>		

element **Customer/StreetNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 5
annotation	documentation Street Number
source	<pre> <xs:element name="StreetNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Street Number</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **Customer/Street**

diagram	
---------	--

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:string		
properties	minOcc 0 maxOcc 1 content simple		
facets	Kind Value Annotation minLength 1 maxLength 35		
annotation	documentation Street		
source	<pre> <xs:element name="Street" minOccurs="0"> <xs:annotation> <xs:documentation>Street</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xsmaxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>		

element Customer/Country

diagram		Country Code ISO			
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1				
type	restriction of xs:string				
properties	minOcc 0 maxOcc 1 content simple				
facets	Kind Value Annotation length 2				
annotation	documentation Country Code ISO				
source	<pre> <xs:element name="Country" minOccurs="0"> <xs:annotation> <xs:documentation>Country Code ISO</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="2"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>				

element Customer/ZIPCode

diagram		Postal Code
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	

type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 9
annotation	documentation Postal Code
source	<pre><xs:element name="ZIPCode" minOccurs="0"> <xs:annotation> <xs:documentation>Postal Code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="9"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **Customer/City**

diagram	 City / Town
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation City / Town
source	<pre><xs:element name="City" minOccurs="0"> <xs:annotation> <xs:documentation>City / Town</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **Customer/Signature**

diagram	 Signature
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Signature
source	<pre> <xs:element name="Signature" minOccurs="0"> <xss:annotation> <xss:documentation>Signature</xss:documentation> </xss:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **Customer/Contacts**

diagram	<pre> classDiagram class Contacts { <<Contact information>> } class PhonNumber { <<Telephone Number>> } class FaxNumber { <<Generic Fax number in Free text>> } class eMail { <<Generic eMail address in Free text>> } Contacts "2..1" -- "1..1" PhonNumber : Contacts "2..1" -- "1..1" FaxNumber : Contacts "2..1" -- "1..1" eMail : </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	PhonNumber FaxNumber eMail
annotation	documentation Contact information
source	<pre> <xs:element name="Contacts" minOccurs="0"> <xss:annotation> <xss:documentation>Contact information</xss:documentation> </xss:annotation> <xs:complexType> <xs:sequence> <xs:element name="PhonNumber" minOccurs="0"> <xss:annotation> <xss:documentation>Telephone Number</xss:documentation> </xss:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="30"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:element ref="FaxNumber" <xs:element ref="eMail" </xs:sequence> </xs:complexType> </xs:element></pre>	minOccurs="0"/>
--	--	-----------------

element **Customer/Contacts/PhoneNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 30
annotation	documentation Telephone Number
source	<pre> <xs:element name="PhoneNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Telephone Number</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="30"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **Customer/ContractualCarrierCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 4
annotation	documentation Contractual Carrier Code
source	<pre> <xs:element name="ContractualCarrierCode" minOccurs="0"> <xs:annotation> <xs:documentation>Contractual Carrier Code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="4"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

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

element **CustomerNumber**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
used by	elements Customers LoadingFacility									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>16</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	16	
Kind	Value	Annotation								
minLength	1									
maxLength	16									
annotation	<p>documentation</p> <p>The customer number of the COM differs from the customer code used in TAF/TSI, its format may not accord to the TAf element</p>									
source	<pre><xs:element name="CustomerNumber"> <xs:annotation> <xs:documentation>The customer number of the COM differs from the customer code used in TAF/TSI, its format may not accord to the TAf element</xs:documentation> <xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="16"/> </xs:restriction> </xs:simpleType> </xs:annotation> </xs:annotation> </xs:element></pre>									

element **Customers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	CustomerType CustomerNumber AdministrativeContactInformation LeadRU
used by	elements ConsignmentOrderMessage/COMS/COM WagonDeliveryNoticeMessage WagonDepartureNoticeMessage WagonReleaseNoticeMessage

annotation	documentation Information about the consignor and consignee
source	<pre> <xs:element name="Customers"> <xs:annotation> <xs:documentation>Information about the consignor and consignee</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="CustomerType"> <xs:annotation> <xs:documentation>Type of participation CR: Consignor CE: Consignee</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="CR"/> <xs:enumeration value="CE"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:sequence> <xs:element ref="CustomerNumber" minOccurs="0"> <xs:annotation> <xs:documentation>CustomerNumber</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="AdministrativeContactInformation"/> <xs:element ref="LeadRU"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **Customers/CustomerType**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>CR</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CE</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	CR		enumeration	CE	
Kind	Value	Annotation								
enumeration	CR									
enumeration	CE									
annotation	documentation Type of participation CR: Consignor CE: Consignee									
source	<pre> <xs:element name="CustomerType"> <xs:annotation> <xs:documentation>Type of participation CR: Consignor CE: Consignee</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> </pre>									

	<pre> <xs:enumeration value="CR"/> <xs:enumeration value="CE"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	---

element **DangerousGoodsIndication**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	DanGoodsType
properties	content complex
children	HazardIdentificationNumber UN_Number DangerLabel RID_Class PackingGroup DangerousGoodsWeight DangerousGoodsVolume LimitedQuantityIndicator
used by	elements WIMO Dataset/ConsignmentLevelData WagonOperationalData/DangerousGoodsDetails PlannedTrainData RID WagonExceptionMessage WagonExceptionReasonMessage
annotation	documentation Identifies dangerous goods
source	<pre> <xs:element name="DangerousGoodsIndication" type="DanGoodsType"> <xs:annotation> <xs:documentation>Identifies dangerous goods</xs:documentation> </xs:annotation> </xs:element> </pre>

element **DangerousGoodsIndicator**

diagram	 DangerousGoodsIndicator 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
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element TrainRunningData
annotation	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
source	<pre><xs:element name="DangerousGoodsIndicator" type="xs:boolean"> <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 **DangerousGoodsVolume**

diagram	 DangerousGoodsVolume The volume of the dangerous goods in cubic meters
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	VolumeValue
properties	content simple
used by	element SummaryOfGoodsWithSameRID
annotation	documentation The volume of the dangerous goods in cubic meters
source	<pre><xs:element name="DangerousGoodsVolume" type="VolumeValue"> <xs:annotation> <xs:documentation>The volume of the dangerous goods in cubic meters</xs:documentation> </xs:annotation> </xs:element></pre>

element **DangerousGoodsWeight**

diagram	 DangerousGoodsWeight The weight of dangerous goods in kilograms
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	WeightValueKilo
properties	content simple
used by	element SummaryOfGoodsWithSameRID complexType DanGoodsType

facets	Kind minInclusive Value 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation The weight of dangerous goods in kilograms
source	<pre><xs:element name="DangerousGoodsWeight" type="WeightValueKilo"> <xs:annotation> <xs:documentation>The weight of dangerous goods in kilograms</xs:documentation> </xs:annotation> </xs:element></pre>

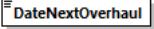
element Date

diagram	 Date
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	content simple
annotation	documentation Date
source	<pre><xs:element name="Date" type="xs:date"> <xs:annotation> <xs:documentation>Date</xs:documentation> </xs:annotation> </xs:element></pre>

element DateLastOverhaul

diagram	 DateLastOverhaul <small>Date of the last overhaul. For wagons newly placed on the market, the date put into service must be used.</small>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	content simple
used by	element RollingStockDataset/DesignDataSet
annotation	documentation Date of the last overhaul. For wagons newly placed on the market, the date put into service must be used.
source	<pre><xs:element name="DateLastOverhaul" type="xs:date"> <xs:annotation> <xs:documentation> Date of the last overhaul. For wagons newly placed on the market, the date put into service must be used. </xs:documentation> </xs:annotation> </xs:element></pre>

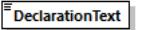
element **DateNextOverhaul**

diagram	 DateNextOverhaul
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	content simple
source	<xs:element name="DateNextOverhaul" type="xs:date"/>

element **DatePutIntoService**

diagram	 DatePutIntoService <small>Original Date of first operation</small>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	content simple
used by	element RollingStockDataset/AdministrativeDataSet
annotation	documentation Original Date of first operation
source	<xs:element name="DatePutIntoService" type="xs:date"> <xs:annotation> <xs:documentation>Original Date of first operation</xs:documentation> </xs:annotation> </xs:element>

element **DeclarationText**

diagram	 DeclarationText <small>Additional Text for codes with free text</small>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple
used by	elements ConsignmentOrderMessage/COMS/COM/ConsignorDeclarations ConsignmentOrderMessage/COMS/COM/RU Declarations/RU Declaration
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Additional Text for codes with free text
source	<xs:element name="DeclarationText"> <xs:annotation> <xs:documentation>Additional Text for codes with free text</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength base="xs:string" value="1"/>

	<pre> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>	value="350"/>
--	--	---------------

element **DelayCause**

diagram		
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
type	DelayCode	
used by	elements DelayCauseTime TrainReadyMessage TrainReadyStatus TrainReadyStatus	
annotation	<p>documentation</p> <p>This element identifies the reason for a delay (modified DelayReason)</p>	
source	<pre> <xs:element name="DelayCause" type="DelayCode"> <xs:annotation> <xs:documentation>This element identifies the reason for a delay (modified DelayReason)</xs:documentation> </xs:annotation> </xs:element> </pre>	

element **DelayCauseTime**

diagram		
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
properties	content complex	
children	DelayCause DelayMinutes DelayEventDateTime InternalReferenceIdentifier DelayCodingDateTime Remarks	
used by	element DelayEventReport	
annotation	<p>documentation</p> <p>Identifies the delay of a train due to a specified reason. In addition it allows to put in a more detailed description (Changed from DelayReasonTime)</p>	
source	<pre> <xs:element name="DelayCauseTime"> <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 (Changed from DelayReasonTime)</xs:documentation> </xs:annotation> </xs:element> </pre>	

	<pre> from DelayReasonTime) </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:annotation> <xs:documentation>Describes the reason for a delay</xs:documentation> </xs:annotation> </xs:element> <xs:element <xs:annotation> <xs:documentation>The liink to the System Reference</xs:documentation> </xs:annotation> </xs:element> <xs:element <xs:annotation> <xs:documentation>Date and Time of the ocding of the delay</xs:documentation> </xs:annotation> </xs:element> <xs:element <xs:annotation> <xs:documentation>Remarks</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **DelayCodingDateTime**

diagram	<p>Date and Time of the coding of the delay</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element DelayCauseTime
annotation	documentation Date and Time of the coding of the delay
source	<pre> <xs:element name="DelayCodingDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and Time of the coding of the delay</xs:documentation> </xs:annotation> </xs:element> </pre>

element **DelayEventDateTime**

diagram	<p>Date and Time of delay event</p>
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namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element DelayCauseTime
annotation	documentation Date and Time of delay event
source	<pre><xs:element name="DelayEventDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and Time of delay event </xs:documentation> </xs:annotation> </xs:element></pre>

element **DelayEventReport**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	DelayLocation TrainLocationStatus DelayCauseTime BookedLocationDateTime ReferencedLocationDateTime
used by	element TrainDelayCauseMessage
annotation	documentation Provides the detailed information about a single delay event (Replaced DelayReasonReport)
source	<pre><xs:element name="DelayEventReport"> <xs:annotation> <xs:documentation>Provides the detailed information about a single delay event (Replaced DelayReasonReport)</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="DelayLocation"/> <xs:element ref="TrainLocationStatus"/> <xs:element ref="DelayCauseTime"/> <xs:element ref="BookedLocationDateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Scheduled Date and Time of a train at a specified location as defined in the path contract</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> </xs:element> <xs:element ref="ReferencedLocationDateTime" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **DelayLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	element DelayEventReport
annotation	documentation Location where the Delay occurred
source	<pre> <xs:element name="DelayLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>Location where the Delay occurred</xs:documentation> </xs:annotation> </xs:element> </pre>

element **DelayMinutes**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	String1-5									
properties	content simple									
used by	element DelayCauseTime									
facets	<table> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>5</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	5	
Kind	Value	Annotation								
minLength	1									
maxLength	5									
annotation	documentation Identifies the delay (in minutes) of a train for a specified cause									
source	<pre> <xs:element name="DelayMinutes" type="String1-5"> <xs:annotation> </pre>									

	<pre><xs:documentation>Identifieis the delay (in minutes) of a train for a specified cause</xs:documentation> </xs:annotation> </xs:element></pre>
--	--

element **DeliveryAtDestination**

diagram	<pre> classDiagram class DeliveryAtDestination { <<Place, Date and Time when the wagon is ready to be picked up by the customer>> <<The actual Date and Time when the wagon is delivered to the customer siding or when the wagon is ready for pick-up by the customer>> } class Destination { <<Destination Location>> } class DeliveryTimeAtDestination { <<The actual Date and Time when the wagon is delivered to the customer siding or when the wagon is ready for pick-up by the customer>> } DeliveryAtDestination "2" --> Destination : DeliveryAtDestination "2" --> DeliveryTimeAtDestination : </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Destination DeliveryTimeAtDestination
used by	element WagonDeliveryNoticeMessage
annotation	documentation Place, Date and Time when the wagon is ready to be picked up by the customer
source	<pre> <xs:element name="DeliveryAtDestination"> <xs:annotation> <xs:documentation>Place, Date and Time when the wagon is ready to be picked up by the customer</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Destination"/> <xs:element ref="DeliveryTimeAtDestination"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **DeliveryReference**

diagram	<pre> classDiagram class DeliveryReference { } </pre>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
used by	elements ITU_Details_Wagons/WagonDetails									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>30</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	30	
Kind	Value	Annotation								
minLength	1									
maxLength	30									
source	<pre> <xs:element name="DeliveryReference"> <xs:annotation/> <xs:simpleType> <xs:restriction> <xs:maxLength value="30"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

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

element DeliveryTimeAtDestination

diagram	DeliveryTimeAtDestination The actual Date and Time when the wagon is delivered to the customer siding or when the wagon is ready for pick-up by the customer
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element DeliveryAtDestination
annotation	documentation The actual Date and Time when the wagon is delivered to the customer siding or when the wagon is ready for pick-up by the customer
source	<code><xs:element name="DeliveryTimeAtDestination" type="xs:dateTime"></code> <code> <xs:annotation></code> <code> <xs:documentation>The actual Date and Time when the wagon is delivered to the customer siding or when the wagon is ready for pick-up by the customer</xs:documentation></code> <code> </xs:annotation></code> <code></xs:element></code>

element DeliveryTimeAtInterchange

diagram	DeliveryTimeAtInterchange The scheduled departure date and time or the scheduled handover date and time of wagons at an interchange point, where the responsibility of the wagons will change to another RU
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element NextIntermediateDestination
annotation	documentation The scheduled departure date and time or the scheduled handover date and time of wagons at an interchange point, where the responsibility of the wagons will change to another RU
source	<code><xs:element name="DeliveryTimeAtInterchange" type="xs:dateTime"></code> <code> <xs:annotation></code> <code> <xs:documentation>The scheduled departure date and time or the scheduled handover date and time of wagons at an interchange point, where the responsibility of the wagons will change to another RU</xs:documentation></code> <code> </xs:annotation></code> <code></xs:element></code>

element **DepartureInterchangeReport**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Location DepartureTimeAtLocation TrainID
used by	element WagonETI ETA Message
annotation	documentation Departure or interchange station ETI Origin
source	<pre> <xs:element name="DepartureInterchangeReport"> <xs:annotation> <xs:documentation>Departure or interchange station ETI Origin</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="DepartureTimeAtLocation"/> <xs:element ref="TrainID" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **DepartureJourneyTrack**

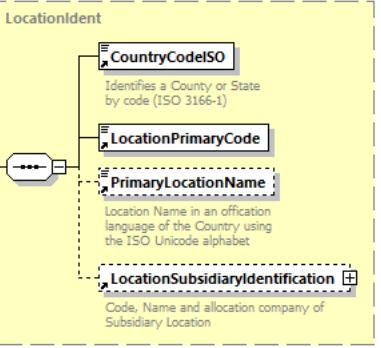
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	documentation Indicates the track ID on which the train will start its journey.
source	<pre> <xs:element name="DepartureJourneyTrack" type="LocationIdent"> <xs:annotation> <xs:documentation>Indicates the track ID on which the train will start its journey.</xs:documentation> </xs:annotation> </pre>

	<pre>its </xs:annotation> </xs:element></pre>	journey.</xs:documentation>
--	---	-----------------------------

element DepartureTimeAtLocation

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	elements DepartureInterchangeReport WagonAtDeparture WagonPickupAtOrigin YardDeparture
annotation	documentation the scheduled departure date and time at a defined location
source	<pre><xs:element name="DepartureTimeAtLocation" type="xs:dateTime"> <xs:annotation> <xs:documentation>the scheduled departure date and time at a defined location</xs:documentation> </xs:annotation> </xs:element></pre>

element DepartureTrackAtLocation

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	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.
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>

	<code></xs:element></code>
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element Destination

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	elements ArrivalAtDestination WIMO Dataset/ConsignmentLevelData DeliveryAtDestination
annotation	documentation Destination Location
source	<pre> <xs:element name="Destination" type="LocationIdent"> <xs:annotation> <xs:documentation>Destination Location</xs:documentation> </xs:annotation> </xs:element> </pre>

element Dimensions

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LengthCode Length Width Height
used by	element ITU Details
annotation	documentation Dimensions of the UTI.
source	<pre> <xs:element name="Dimensions"> <xs:annotation> <xs:documentation>Dimensions of the UTI.</xs:documentation> </xs:annotation> </xs:element> </pre>

	<pre> <xs:complexType> <xs:sequence> <xs:element name="LengthCode"> <xs:annotation> <xs:documentation>Length code according to UIC leaflet 592-2</xs:documentation> <xs:documentation>CODE: UIC leaflet 592-2</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:totalDigits value="2"/> <xs:minInclusive value="10"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Length" minOccurs="0"/> <xs:element ref="Width" minOccurs="0"/> <xs:element ref="Height" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element Dimensions/LengthCode

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:int									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>10</td> <td></td> </tr> <tr> <td>totalDigits</td> <td>2</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	10		totalDigits	2	
Kind	Value	Annotation								
minInclusive	10									
totalDigits	2									
annotation	<p>documentation Length code according to UIC leaflet 592-2</p> <p>documentation CODE: UIC leaflet 592-2</p>									
source	<pre> <xs:element name="LengthCode"> <xs:annotation> <xs:documentation>Length code according to UIC leaflet 592-2</xs:documentation> <xs:documentation>CODE: UIC leaflet 592-2</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:totalDigits value="2"/> <xs:minInclusive value="10"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

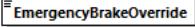
element **DwellTime**

diagram	 DwellTime The minimum duration of dwell time expressed in minutes
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:decimal
properties	content simple
used by	element TimingAtLocation
facets	Kind Value Annotation fractionDigits 1
annotation	documentation The minimum duration of dwell time expressed in minutes
source	<pre><xs:element name="DwellTime"> <xs:annotation> <xs:documentation>The minimum duration of dwell time expressed in minutes</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:fractionDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **eMail**

diagram	 eMail Generic eMail address in Free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CommunicationRefID
properties	content simple
used by	elements AdministrativeContactInformation Customer/Contacts
facets	Kind Value Annotation minLength 1 maxLength 70
annotation	documentation Generic eMail address in Free text
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>

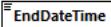
element **EmergencyBrakeOverride**

diagram	 EmergencyBrakeOverride Ability of the whole train (all wagons and traction units) to override the emergency brake signal
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element PlannedTrainTechnicalData
annotation	documentation Ability of the whole train (all wagons and traction units) to override the emergency brake signal
source	<pre><xs:element name="EmergencyBrakeOverride" type="xs:boolean"> <xs:annotation> <xs:documentation>Ability of the whole train (all wagons and traction units) to override the emergency brake signal</xs:documentation> </xs:annotation> </xs:element></pre>

element **EndDate**

diagram	 EndDate The end date/time in effect
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	content simple
used by	complexType ValidityPeriod
annotation	documentation The end date/time in effect
source	<pre><xs:element name="EndDate" type="xs:date"> <xs:annotation> <xs:documentation>The end date/time in effect</xs:documentation> </xs:annotation> </xs:element></pre>

element **EndDateTime**

diagram	 EndDateTime The end date/time in effect
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	elements RequestedPeriod RequestedTimeframe ValidityPeriod
annotation	documentation The end date/time in effect
source	<pre><xs:element name="EndDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The end date/time in effect</xs:documentation> </xs:annotation> </xs:element></pre>

	<pre></xs:annotation> </xs:element></pre>
--	---

element **EndLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	documentation End point of a section or segment
source	<pre><xs:element name="EndLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>End point of a section or segment</xs:documentation> </xs:annotation> </xs:element></pre>

element **ErrorMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader MessageStatus AdministrativeContactInformation ErrorCauseReference Error PlannedTransportIdentifiers TransportOperationalIdentifiers

annotation	documentation This message should be sent from the receiver to the sender after the processing of the previously sent TAF/TAP message in the backend (legacy) system of the receiver has failed.
source	<pre> <xs:element name="ErrorMessage"> <xs:annotation> <xs:documentation>This message should be sent from the receiver to the sender after the processing of the previously sent TAF/TAP message in the backend (legacy) system of the receiver has failed.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"/> <xs:element ref="AdministrativeContactInformation"/> <xs:element name="ErrorCauseReference" minOccurs="0"> <xs:annotation> <xs:documentation>The reference to the message and its particular element(s) that caused the error is provided here</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageReference"/> <xs:element name="MessageSenderReference" type="FreeText" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="Error" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="TagReference" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>This is a placeholder for XPath expression indicating the element of the orginal message which caused the error.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="TypeOfError"> <xs:annotation> <xs:documentation>It is an enumerated type to indicate if the error was caused due to a bussines rule violation (1 = FUNCTIONAL) or due to a system failure (2 = TECHNICAL) or both (0 = BOTH)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Severity"> <xs:annotation> <xs:documentation>1 = WARNING 2 = FATAL 3 = SEVER-FATAL The senders and receivers should agree about the severity levels and their interpretation: should the process stop, should the message be resent etc.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

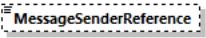
	<pre> <xs:simpleType> <xs:restriction> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:restriction> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:restriction> <xs:minInclusive> <xs:maxInclusive> </xs:restriction> </xs:enumeration> </xs:enumeration> </xs:enumeration> </xs:enumeration> </xs:restriction> </xs:enumeration> </xs:enumeration> </xs:enumeration> </xs:enumeration> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> <xs:element <xs:annotation> <xs:documentation>To be defined: code list from 1 to 9999. Proposal from PathDossierErrorCode: "Standard values are between 5000 and 6000 (central maintained list). The values greater than 6000 can be used on national level."</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive> <xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element> <xs:element <xs:annotation> <xs:documentation>FreeText Field</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive> <xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element> <xs:sequence> <xs:element <xs:annotation> <xs:documentation>Planned Transport Identifiers</xs:documentation> </xs:annotation> <xs:complexType> <xs:element <xs:annotation> <xs:documentation>minOccurs="0" maxOccurs="unbounded"></xs:documentation> </xs:annotation> <xs:element <xs:annotation> <xs:documentation>Transport Operational Identifiers</xs:documentation> </xs:annotation> <xs:complexType> <xs:element <xs:annotation> <xs:documentation>minOccurs="0" maxOccurs="unbounded"></xs:documentation> </xs:annotation> </xs:element> </xs:complexType> </xs:element> </xs:complexType> </xs:element> </xs:sequence> </xs:element> </xs:element> </xs:complexType> </xs:element> </pre>
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element ErrorMessage/ErrorCauseReference

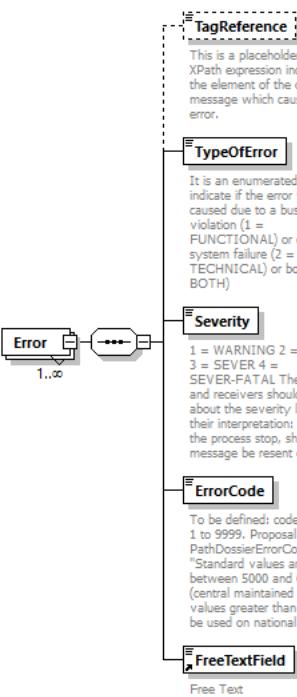
diagram	<p>The reference to the message and its particular element(s) that caused the error is provided here</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1						
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>complex</td></tr> </table>	minOcc	0	maxOcc	1	content	complex
minOcc	0						
maxOcc	1						
content	complex						
children	MessageReference MessageSenderReference						
annotation	<p>documentation</p> <p>The reference to the message and its particular element(s) that caused the error is provided here</p>						
source	<pre> <xs:element name="ErrorCauseReference" minOccurs="0"> <xs:annotation> <xs:documentation>The reference to the message and its particular element(s) that caused the error is provided here</xs:documentation> </xs:annotation> </xs:element> </pre>						

	<pre> <xs:sequence> <xs:element <xs:element ref="MessageReference"/> name="MessageSenderReference" type="FreeText" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **ErrorMessage/ErrorCauseReference/MessageSenderReference**

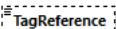
diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	FreeText									
properties	minOcc 0 maxOcc 1 content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>255</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	255	
Kind	Value	Annotation								
minLength	1									
maxLength	255									
source	<code><xs:element name="MessageSenderReference" type="FreeText" minOccurs="0"/></code>									

element **ErrorMessage/Error**

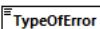
diagram	 <p>TagReference This is a placeholder for XPath expression indicating the element of the original message which caused the error.</p> <p>TypeOfError It is an enumerated type to indicate if the error was caused due to a business rule violation (1 = FUNCTIONAL) or due to a system failure (2 = TECHNICAL) or both (0 = BOTH)</p> <p>Severity 1 = WARNING 2 = FATAL 3 = SEVER 4 = SEVER-FATAL The senders and receivers should agree about the severity levels and their interpretation; should the process stop, should the message be resent etc.</p> <p>ErrorCode To be defined: code list from 1 to 9999. Proposal from PathDossierErrorCode: "Standard values are between 5000 and 6000 (central maintained list). The values greater than 6000 can be used on national level."</p> <p>FreeTextField Free Text</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 1 maxOcc unbounded content complex
children	TagReference TypeOfError Severity ErrorCode FreeTextField
source	<code><xs:element name="Error" maxOccurs="unbounded"></code>

	<pre> <xs:complexType> <xs:sequence> <xs:element name="TagReference" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>This is a placeholder for XPath expression indicating the element of the orginal message which caused the error.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="TypeOfError"> <xs:annotation> <xs:documentation>It is an enumerated type to indicate if the error was caused due to a bussines rule violation (1 = FUNCTIONAL) or due to a system failure (2 = TECHNICAL) or both (0 = BOTH)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Severity"> <xs:annotation> <xs:documentation>1 = WARNING 2 = FATAL 3 = SEVER 4 = SEVER-FATAL The senders and receivers should agree about the severity levels and their interpretation: should the process stop, should the message be resent etc.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ErrorCode"> <xs:annotation> <xs:documentation>To be defined: code list from 1 to 9999. Proposal from PathDossierErrorCode: "Standard values are between 5000 and 6000 (central maintained list). The values greater than 6000 can be used on national level."</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="FreeTextField"> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **ErrorMessage/Error/TagReference**

diagram	 This is a placeholder for XPath expression indicating the element of the orginal message which caused the error.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:string
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation This is a placeholder for XPath expression indicating the element of the orginal message which caused the error.
source	<pre><xs:element name="TagReference" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>This is a placeholder for XPath expression indicating the element of the orginal message which caused the error.</xs:documentation> </xs:annotation> </xs:element></pre>

element **ErrorMessage/Error/TypeOfError**

diagram	 It is an enumerated type to indicate if the error was caused due to a bussines rule violation (1 = FUNCTIONAL) or due to a system failure (2 = TECHNICAL) or both (0 = BOTH)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
facets	Kind Value Annotation enumeration 0 enumeration 1 enumeration 2
annotation	documentation It is an enumerated type to indicate if the error was caused due to a bussines rule violation (1 = FUNCTIONAL) or due to a system failure (2 = TECHNICAL) or both (0 = BOTH)
source	<pre><xs:element name="TypeOfError"> <xs:annotation> <xs:documentation>It is an enumerated type to indicate if the error was caused due to a bussines rule violation (1 = FUNCTIONAL) or due to a system failure (2 = TECHNICAL) or both (0 = BOTH)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType></pre>

	</xs:element>
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element **ErrorMessage/Error/Severity**

diagram	 <p>1 = WARNING 2 = FATAL 3 = SEVER 4 = SEVER-FATAL The senders and receivers should agree about the severity levels and their interpretation: should the process stop, should the message be resent etc.</p>															
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1															
type	restriction of xs:integer															
properties	content simple															
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>4</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	1		enumeration	2		enumeration	3		enumeration	4	
Kind	Value	Annotation														
enumeration	1															
enumeration	2															
enumeration	3															
enumeration	4															
annotation	<p>documentation</p> <p>1 = WARNING 2 = FATAL 3 = SEVER 4 = SEVER-FATAL The senders and receivers should agree about the severity levels and their interpretation: should the process stop, should the message be resent etc.</p>															
source	<pre> <xs:element name="Severity"> <xs:annotation> <xs:documentation>1 = WARNING 2 = FATAL 3 = SEVER 4 = SEVER-FATAL The senders and receivers should agree about the severity levels and their interpretation: should the process stop, should the message be resent etc.</xs:documentation> <xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> </xs:restriction> </xs:simpleType> </xs:annotation> </xs:element> </pre>															

element **ErrorMessage/Error/ErrorCode**

diagram	 <p>To be defined: code list from 1 to 9999. Proposal from PathDossierErrorCode: "Standard values are between 5000 and 6000 (central maintained list). The values greater than 6000 can be used on national level."</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1						
type	restriction of xs:integer						
properties	content simple						
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1	
Kind	Value	Annotation					
minInclusive	1						

	maxInclusive 9999
annotation	<p>documentation To be defined: code list from 1 to 9999. Proposal from PathDossierErrorCode: "Standard values are between 5000 and 6000 (central maintained list). The values greater than 6000 can be used on national level."</p>
source	<pre><xs:element name="ErrorCode"> <xs:annotation> <xs:documentation>To be defined: code list from 1 to 9999. Proposal from PathDossierErrorCode: "Standard values are between 5000 and 6000 (central maintained list). The values greater than 6000 can be used on national level.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive>1</xs:minInclusive> <xs:maxInclusive>9999</xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **EstimatedEndDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
source	<xs:element name="EstimatedEndDateTime" type="xs:dateTime"/>

element **ExceptionalGaugingCode**

diagram	 <small>Acceptance agreement number, based on guidelines of IM_Partner</small>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
used by	element ExceptionalGaugingIdent									
facets	<table> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>24</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	24	
Kind	Value	Annotation								
minLength	1									
maxLength	24									
annotation	documentation Acceptance agreement number, based on guidelines of IM_Partner									
source	<pre><xs:element name="ExceptionalGaugingCode"> <xs:annotation> <xs:documentation>Acceptance agreement number, based on guidelines of IM_Partner</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength>1</xs:minLength> </xs:restriction> </xs:simpleType> </xs:element></pre>									

	<pre> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>	<code>value="24"/></code>
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element **ExceptionalGaugingIdent**

diagram	<p>The diagram illustrates the relationship between three entities: ExceptionalGaugingIdent, IM_Partner, and ExceptionalGaugingCode. ExceptionalGaugingIdent is connected to IM_Partner and ExceptionalGaugingCode. IM_Partner is labeled 'Infrastructure Manager'. ExceptionalGaugingCode is labeled 'Acceptance agreement number, based on guidelines of IM_Partner'. A note below ExceptionalGaugingIdent states: 'Indicates that an exceptional Gauging is in the train or for the wagon'.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	IM_Partner ExceptionalGaugingCode
used by	elements PlannedTrainData WagonOperationalData
annotation	documentation Indicates that an exceptional Gauging is in the train or for the wagon
source	<pre> <xs:element name="ExceptionalGaugingIdent"> <xs:annotation> <xs:documentation>Indicates that an exceptional Gauging is in the train or for the wagon </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="IM_Partner"/> <xs:element ref="ExceptionalGaugingCode"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **ExceptionalGaugingInd**

diagram	<p>The diagram shows a single entity, ExceptionalGaugingInd, which is described as indicating an exceptional gauging in the train or for the wagon - (true/false).</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element TrainRunningData
annotation	documentation Indicates that an exceptional gauging is in the train or for the wagon - (true/false)
source	<pre> <xs:element name="ExceptionalGaugingInd" type="xs:boolean"> <xs:annotation> <xs:documentation>Indicates that an exceptional gauging is in the train or for the wagon - (true/false)</xs:documentation> </xs:annotation> </xs:element> </pre>

	<code></xs:element></code>
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element **ExceptionalGaugingProfile**

diagram	<p>Identification of special load. Coding found in 404-2 chapter 4.9.1 (4AN + 3N)</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
used by	element WagonOperationalData									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>7</td> <td></td> </tr> <tr> <td>maxLength</td> <td>7</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	7		maxLength	7	
Kind	Value	Annotation								
minLength	7									
maxLength	7									
annotation	<p>documentation</p> <p>Identification of special load. Coding found in 404-2 chapter 4.9.1 (4AN + 3N)</p>									
source	<pre> <xs:element name="ExceptionalGaugingProfile"> <xs:annotation> <xs:documentation>Identification of special load. Coding found in 404-2 chapter 4.9.1 (4AN + 3N)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="7"/> <xs:maxLength value="7"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element **ExceptionPoint**

diagram	<p>Describes the interruption points with location and the time of the interruption</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Location ResponsibleRU WagonLocationStatus ScheduledTimeAtLocation ExceptionTimeAtLocation

used by	element WagonExceptionReport
annotation	documentation Describes the interruption points with location and the time of the interruption
source	<pre> <xs:element name="ExceptionPoint"> <xs:annotation> <xs:documentation>Describes the interruption points with location and the time of the interruption</xs:documentation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="ResponsibleRU"/> <xs:element ref="WagonLocationStatus"/> <xs:element ref="ScheduledTimeAtLocation"/> <xs:element ref="ExceptionTimeAtLocation"/> </xs:sequence> </xs:complexType> </xs:annotation> </xs:element> </pre>

element **ExceptionReason**

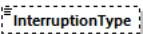
diagram	<p>The diagram illustrates the structure of the ExceptionReason element. It is represented by a rectangle with a small square icon. Three dashed arrows point from it to three separate rectangles: WagonInterruptionReason, InterruptionDescription, and InterruptionType. Below the main box, a detailed description states: "Identifies the reason of an unexpected interruption for a wagon during the transportation. In addition it allows to put in a more detailed description".</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	WagonInterruptionReason InterruptionDescription InterruptionType
used by	element WagonExceptionReport
annotation	documentation Identifies the reason of an unexpected interruption for a wagon during the transportation. In addition it allows to put in a more detailed description
source	<pre> <xs:element name="ExceptionReason"> <xs:annotation> <xs:documentation>Identifies the reason of an unexpected interruption for a wagon during the transportation. In addition it allows to put in a more detailed description</xs:documentation> <xs:complexType> <xs:sequence> <xs:element name="WagonInterruptionReason" minOccurs="0"> <xs:simpleType> <xs:restriction> <xs:enumeration value="wagon" base="xs:token"> <xs:enumeration value="change" of="route"/> <xs:enumeration value="other"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="InterruptionDescription" minOccurs="0"/> <xs:element name="InterruptionType" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:annotation> </xs:element> </pre>

	<pre> <xs:simpleType> <xs:restriction> <xs:length> <xs:enumeration> <xs:annotation> <xs:documentation>Damage does not cause an interruption of transport run</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration> <xs:annotation> <xs:documentation>Damage causes an interruption of transport run</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration> <xs:annotation> <xs:documentation>other (no damage)</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **ExceptionReason/WagonInterruptionReason**

diagram	 WagonInterruptionReason												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	restriction of xs:token												
properties	minOcc 0 maxOcc 1 content simple												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>wagon damaged</td> <td></td> </tr> <tr> <td>enumeration</td> <td>change of route</td> <td></td> </tr> <tr> <td>enumeration</td> <td>other</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	wagon damaged		enumeration	change of route		enumeration	other	
Kind	Value	Annotation											
enumeration	wagon damaged												
enumeration	change of route												
enumeration	other												
source	<pre> <xs:element name="WagonInterruptionReason" minOccurs="0"> <xs:simpleType> <xs:restriction> <xs:enumeration value="wagon damaged"/> <xs:enumeration value="change of route"/> <xs:enumeration value="other"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>												

element **ExceptionReason/InterruptionType**

diagram	 InterruptionType
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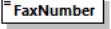
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:token		
properties	minOcc 0 maxOcc 1 content simple		
facets	Kind	Value	Annotation
	length	1	
	enumeration	0	documentation Damage does not cause an interruption of transport run
	enumeration	1	documentation Damage causes an interruption of transport run
	enumeration	2	documentation other (no damage)
source	<pre> <xs:element name="InterruptionType" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:token"> <xs:length value="1"/> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>Damage does not cause an interruption of transport run</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Damage causes an interruption of transport run</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>other (no damage)</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>		

element **ExceptionTimeAtLocation**

diagram	 <p>The Date and Time when something unexpected happens during the transportation related to a location</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element ExceptionPoint
annotation	documentation The Date and Time when something unexpected happens during the transportation related to a location
source	<pre> <xs:element name="ExceptionTimeAtLocation" type="xs:dateTime"> <xs:annotation> <xs:documentation>The Date and Time when something unexpected happens during the transportation related to a location</xs:documentation> </xs:annotation> </pre>

	<p>during the transportation related to a location</p> <pre></xs:documentation> </xs:annotation> </xs:element></pre>
--	--

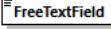
element FaxNumber

diagram	 FaxNumber Generic Fax number in Free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CommunicationRefID
properties	content simple
used by	elements AdministrativeContactInformation Customer/Contacts
facets	Kind Value Annotation minLength 1 maxLength 70
annotation	documentation Generic Fax number in Free text
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 FerryPermittedFlag

diagram	 FerryPermittedFlag
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element RollingStockDataset/DesignDataSet
source	<pre><xs:element name="FerryPermittedFlag" type="xs:boolean"/></pre>

element FreeTextField

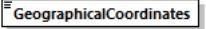
diagram	 FreeTextField Free Text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
used by	elements AdministrativeContactInformation ErrorMessage/Error PathCanceledMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage PlannedJourneyLocation complexType TrainActivityType
facets	Kind Value Annotation minLength 1

	maxLength 255
annotation	documentation Free Text
source	<pre><xs:element name="FreeTextField" type="FreeText"> <xs:annotation> <xs:documentation>Free </xs:annotation> </xs:element></pre>

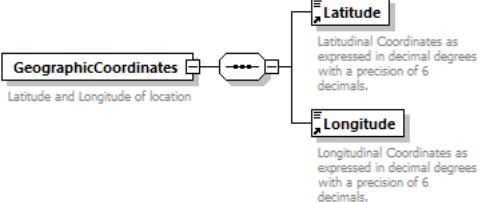
element FreightFlag

diagram	 FreightFlag Identifies that the Entity or Location is for Freight Activity
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element LocationPrimaryInformation
annotation	documentation Identifies that the Entity or Location is for Freight Activity
source	<pre><xs:element name="FreightFlag" type="xs:boolean"> <xs:annotation> <xs:documentation>Identifies that the Entity or Location is for Freight Activity</xs:documentation> </xs:annotation> </xs:element></pre>

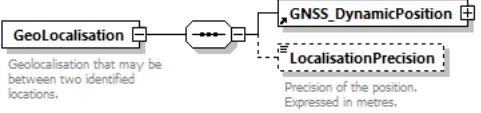
element GeographicalCoordinates

diagram	 GeographicalCoordinates Longitude and latitude as defined in UIC Leafle 920-2
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:string
properties	content simple
annotation	documentation Longitude and latitude as defined in UIC Leafle 920-2
source	<pre><xs:element name="GeographicalCoordinates" type="xs:string"> <xs:annotation> <xs:documentation>Longitude and latitude as defined in UIC Leafle 920-2</xs:documentation> </xs:annotation> </xs:element></pre>

element **GeographicCoordinates**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Latitude Longitude
used by	elements GNSS DynamicPosition LocationPrimaryInformation LocationSubsidiaryInformation
annotation	documentation Latitude and Longitude of location
source	<pre> <xs:element name="GeographicCoordinates"> <xs:annotation> <xs:documentation>Latitude and Longitude of location</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Latitude"/> <xs:element ref="Longitude"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **GeoLocalisation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	GNSS DynamicPosition LocalisationPrecision
used by	element GeoLocalisationOnNetwork
annotation	documentation Geolocalisation that may be between two identified locations.
source	<pre> <xs:element name="GeoLocalisation"> <xs:annotation> <xs:documentation>Geolocalisation that may be between two identified locations.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="GNSS_DynamicPosition"/> <xs:element name="LocalisationPrecision" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Precision of the position. Expressed in metres.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre></xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
--	--

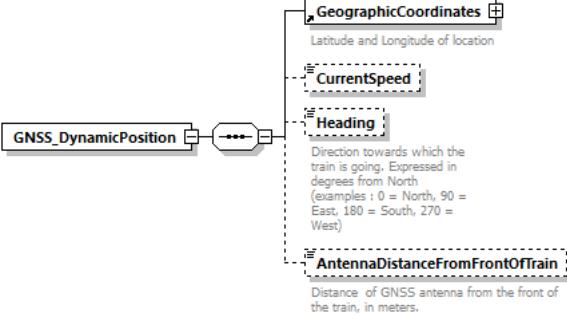
element GeoLocalisation/LocalisationPrecision

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:float
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Precision of the position. Expressed in metres.
source	<pre><xs:element name="LocalisationPrecision" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Precision of the position. Expressed in metres.</xs:documentation> </xs:annotation> </xs:element></pre>

element GeoLocalisationOnNetwork

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	GeoLocalisation NetworkProjectedLocation
used by	element TrainLocationReport
annotation	documentation Geolocalisation information crossed with network data.
source	<pre><xs:element name="GeoLocalisationOnNetwork"> <xs:annotation> <xs:documentation>Geolocalisation information crossed with network data.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="GeoLocalisation" minOccurs="0"/> <xs:element ref="NetworkProjectedLocation" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **GNSS_DynamicPosition**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	GeographicCoordinates CurrentSpeed Heading AntennaDistanceFromFrontOfTrain
used by	element GeoLocalisation
source	<pre> <xs:element name="GNSS_DynamicPosition"> <xs:complexType> <xs:sequence> <xs:element ref="GeographicCoordinates"/> <xs:element name="CurrentSpeed" type="Speed" minOccurs="0"/> <xs:element name="Heading" type="xs:integer" minOccurs="0"> <xs:annotation> <xs:documentation>Direction towards which the train is going. Expressed in degrees from North (examples : 0 = North, 90 = East, 180 = South, 270 = West)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AntennaDistanceFromFrontOfTrain" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Distance of GNSS antenna from the front of the train, in meters.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element **GNSS_DynamicPosition/CurrentSpeed**

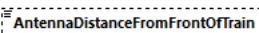
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Speed
properties	minOcc 0 maxOcc 1 content simple

	maxInclusive 999
source	<xs:element name="CurrentSpeed" type="Speed" minOccurs="0"/>

element GNSS_DynamicPosition/Heading

diagram	 Heading Direction towards which the train is going. Expressed in degrees from North (examples : 0 = North, 90 = East, 180 = South, 270 = West)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:integer
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Direction towards which the train is going. Expressed in degrees from North (examples : 0 = North, 90 = East, 180 = South, 270 = West)
source	<xs:element name="Heading" type="xs:integer" minOccurs="0"> <xs:annotation> <xs:documentation>Direction towards which the train is going. Expressed in degrees from North (examples : 0 = North, 90 = East, 180 = South, 270 = West)</xs:documentation> </xs:annotation> </xs:element>

element GNSS_DynamicPosition/AntennaDistanceFromFrontOfTrain

diagram	 AntennaDistanceFromFrontOfTrain Distance of GNSS antenna from the front of the train, in meters.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:float
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Distance of GNSS antenna from the front of the train, in meters.
source	<xs:element name="AntennaDistanceFromFrontOfTrain" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Distance of GNSS antenna from the front of the train, in meters.</xs:documentation> </xs:annotation> </xs:element>

element **Goods**

diagram	<pre> graph LR Goods[Goods] --- NoGoodsOfClassX[NoGoodsOfClassX] NoGoodsOfClassX --- RID[RID] RID --- Packing[Packing] Packing --- NHM_Code[NHM_Code] NHM_Code --- PreviousLoadedGood[PreviousLoadedGood] PreviousLoadedGood --- GoodsDescription[GoodsDescription] GoodsDescription --- AdditionalGoodInformation[AdditionalGoodInformation] AdditionalGoodInformation --- GrossWeight[GrossWeight] GrossWeight --- HS_Code[HS_Code] HS_Code --- EWC_Key[EWC_Key] </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	NoGoodsOfClassX RID Packing NHM Code PreviousLoadedGood GoodsDescription AdditionalGoodInformation GrossWeight HS Code EWC Key
used by	elements WIMO Dataset/ConsignmentLevelData ITU RollingRoadUnit Wagons
annotation	documentation Describes the goods inside the means of transport
source	<pre> <xs:element name="Goods"> <xs:annotation> <xs:documentation>Describes the goods inside the means of transport</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="NoGoodsOfClassX" minOccurs="0"> <xs:annotation> <xs:documentation>Element has to be filled with the class of the dangerous goods which are mentioned in Table 3.2 RID but are not dangerous</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<p>according to chapter 2 (5.4.1.5 RID) </xs:documentation></p> <p></xs:annotation></p> <p><xs:simpleType></p> <p><xs:restriction></p> <p><xs:minLength value="1"/></p> <p><xs:maxLength value="4"/></p> <p></xs:restriction></p> <p></xs:simpleType></p> <p></xs:element></p> <p><xs:element ref="RID" name="Packing" minOccurs="0"/></p> <p><xs:annotation></p> <p><xs:documentation>Packing information</xs:documentation></p> <p></xs:annotation></p> <p><xs:complexType></p> <p><xs:sequence></p> <p><xs:element name="NatureOfPacking" minOccurs="0"></p> <p><xs:annotation></p> <p><xs:documentation>Nature of packing according to the UN/ECE Recommendation No 21</xs:documentation></p> <p><xs:annotation>CODE: UN/ECE-Recommendation No. 21</xs:documentation></p> <p></xs:annotation></p> <p><xs:simpleType></p> <p><xs:restriction></p> <p><xs:maxLength value="2"/></p> <p><xs:minLength value="1"/></p> <p></xs:restriction></p> <p></xs:simpleType></p> <p></xs:element></p> <p><xs:element name="NumberOfPackages" minOccurs="0"></p> <p><xs:annotation></p> <p><xs:documentation>Number of packages.</xs:documentation></p> <p></xs:annotation></p> <p><xs:simpleType></p> <p><xs:restriction></p> <p><xs:minInclusive value="1"/></p> <p><xs:maxInclusive value="99999"/></p> <p></xs:restriction></p> <p></xs:simpleType></p> <p></xs:element></p> <p><xs:element name="PackageIdentification" minOccurs="0" maxOccurs="99"></p> <p><xs:annotation></p> <p><xs:documentation>Particular marks and numbers to identify less than wagon load assignments.</xs:documentation></p> <p></xs:annotation></p> <p><xs:simpleType></p> <p><xs:restriction></p> <p><xs:maxLength value="35"/></p> <p><xs:minLength value="1"/></p> <p></xs:restriction></p> <p></xs:simpleType></p> <p></xs:element></p> <p></xs:sequence></p> <p></xs:complexType></p> <p></xs:element></p> <p><xs:element ref="NHM_Code" minOccurs="0"/></p>
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	<pre> <xs:element name="PreviousLoadedGood" type="NHMCodeType" minOccurs="0"/> <xs:element ref="GoodsDescription" minOccurs="0"/> <xs:element name="AdditionalGoodInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information regarding the loaded good, given by the customer.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="HS_Code" ref="GrossWeight" minOccurs="0"> <xs:annotation> <xs:documentation>HS-Code for sensible goods (appendix 44c of ccip) 10 digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this case this good code has to be taken. These good codes may have more than 6 digits.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="EWC_Key" minOccurs="0"> <xs:annotation> <xs:documentation>Numeric key according to the European Waste Catalogue</xs:documentation> <xs:documentation>CODE: European waste catalogue (EWC) 2000/532/EC</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
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element **Goods/NoGoodsOfClassX**

diagram	<p>Element has to be filled with the class of the dangerous goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter 2 (5.4.1.5 RID)</p>
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namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:string		
properties	minOcc 0 maxOcc 1 content simple		
facets	Kind Value Annotation minLength 1 maxLength 4		
annotation	documentation Element has to be filled with the class of the dangerous goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter 2 (5.4.1.5 RID)		
source	<pre><xs:element name="NoGoodsOfClassX" minOccurs="0"> <xs:annotation> <xs:documentation>Element has to be filled with the class of the dangerous goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter 2 (5.4.1.5 RID)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element></pre>		

element **Goods/Packing**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	NatureOfPacking NumberOfPackages PackageIdentification
annotation	documentation Packing information
source	<pre><xs:element name="Packing" minOccurs="0"> <xs:annotation> <xs:documentation>Packing information</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="NatureOfPacking" minOccurs="0"> <xs:annotation> <xs:documentation>Nature of packing according to the UN/ECE Recommendation No 21</xs:documentation> </xs:annotation> </xs:element> <xs:element name="NumberOfPackages" type="xs:int" minOccurs="0"> <xs:annotation> <xs:documentation>Number of packages.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="PackageIdentification" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Particular marks and numbers to identify less than wagon load assignments. 0..99</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> 21</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength <xs:minLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="NumberOfPackages" minOccurs="0"> <xs:annotation> <xs:documentation>Number of packages.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="PackageIdentification" minOccurs="0" maxOccurs="99"> <xs:annotation> <xs:documentation>Particular marks and numbers to identify less than load assignments.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength <xs:minLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
wagon	<pre> base="xs:string"> value="2"/> value="1"/> base="xs:int"> value="1"/> value="99999"/> base="xs:string"> value="35"/> value="1"/> </pre>

element **Goods/Packing/NatureOfPacking**

diagram	<p>NatureOfPacking</p> <p>Nature of packing according to the UN/ECE Recommandation No 21</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 2
annotation	documentation Nature of packing according to the UN/ECE Recommandation No 21 documentation CODE: UN/ECE-Recommandation No. 21
source	<pre> <xs:element name="NatureOfPacking" minOccurs="0"> <xs:annotation> </pre>

	<pre> <xs:documentation>Nature of packing according to the UN/ECE Recommandation No 21</xs:documentation> <xs:documentation>CODE: UN/ECE-Recommendation No. 21</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength <xs:minLength </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	---

element Goods/Packing/NumberOfPackages

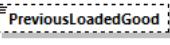
diagram	 NumberOfPackages  Number of packages.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:int
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Number of packages.
source	<pre> <xs:element name="NumberOfPackages" minOccurs="0"> <xs:annotation> <xs:documentation>Number of packages.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </pre>

element Goods/Packing/Packageldentification

diagram	 Packageldentification  0.99 Particular marks and numbers to identify less than wagon load assignments.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 99 content simple
facets	Kind Value Annotation minLength 1 maxLength 35

annotation	documentation Particular marks and numbers to identify less than wagon load assignments.
source	<pre><xs:element name="PackageIdentification" minOccurs="0" maxOccurs="99"> <xs:annotation> <xs:documentation>Particular marks and numbers to identify less than wagon load assignments.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength <xs:minLength </xs:restriction> </xs:simpleType> </xs:element></pre>

element Goods/PreviousLoadedGood

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	NHMCodeType									
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>simple</td></tr> </table>	minOcc	0	maxOcc	1	content	simple			
minOcc	0									
maxOcc	1									
content	simple									
facets	<table> <tr> <td>Kind</td><td>Value</td><td>Annotation</td></tr> <tr> <td>length</td><td>6</td><td></td></tr> <tr> <td>pattern</td><td>\d*[1-9]\d*</td><td></td></tr> </table>	Kind	Value	Annotation	length	6		pattern	\d*[1-9]\d*	
Kind	Value	Annotation								
length	6									
pattern	\d*[1-9]\d*									
source	<pre><xs:element name="PreviousLoadedGood" type="NHMCodeType" minOccurs="0"/></pre>									

element Goods/AdditionalGoodInformation

diagram										
	Additional information regarding the loaded good, given by the customer.									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>simple</td></tr> </table>	minOcc	0	maxOcc	1	content	simple			
minOcc	0									
maxOcc	1									
content	simple									
facets	<table> <tr> <td>Kind</td><td>Value</td><td>Annotation</td></tr> <tr> <td>minLength</td><td>1</td><td></td></tr> <tr> <td>maxLength</td><td>350</td><td></td></tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	350	
Kind	Value	Annotation								
minLength	1									
maxLength	350									
annotation	documentation Additional information regarding the loaded good, given by the customer.									
source	<pre><xs:element name="AdditionalGoodInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information regarding the loaded good, given by the customer.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength base="xs:string" value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

	<pre> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>	<code>value="350"/></code>
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element Goods/HS_Code

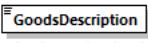
diagram	 <p>HS-Code for sensible goods (appendix 44c of ccip) 10 digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this case this good code has to be taken. These good codes may have more than 6 digits.</p>													
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1													
<td data-cs="2" data-kind="parent">restriction of xs:string</td> <td data-kind="ghost"></td>	restriction of xs:string													
properties	minOcc 0 maxOcc 1 content simple													
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>6</td> <td></td> </tr> <tr> <td>maxLength</td> <td>10</td> <td></td> </tr> <tr> <td>pattern</td> <td>\d*[1-9]\d*</td> <td></td> </tr> </tbody> </table>		Kind	Value	Annotation	minLength	6		maxLength	10		pattern	\d*[1-9]\d*	
Kind	Value	Annotation												
minLength	6													
maxLength	10													
pattern	\d*[1-9]\d*													
annotation	documentation HS-Code for sensible goods (appendix 44c of ccip) 10 digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this case this good code has to be taken. These good codes may have more than 6 digits.													
source	<pre> <xs:element name="HS_Code" minOccurs="0"> <xs:annotation> <xs:documentation>HS-Code for sensible goods (appendix 44c of ccip) 10 digits are needed, if a good code was already assigned for 'Zollanmeldung'. In this case this good code has to be taken. These good codes may have more than 6 digits.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="6"/> <xs:maxLength value="10"/> <xs:pattern value="\d*[1-9]\d*"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>													

element Goods/EWC_Key

diagram	 <p>Numeric key according to the European Waste Catalogue</p>	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
<td data-cs="2" data-kind="parent">restriction of xs:string</td> <td data-kind="ghost"></td>	restriction of xs:string	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind	Value Annotation

	minLength 2 maxLength 6 pattern \d*
annotation	documentation Numeric key according to the European Waste Catalogue documentation CODE: European waste catalogue (EWC) 2000/532/EC
source	<pre><xs:element name="EWC_Key" minOccurs="0"> <xs:annotation> <xs:documentation>Numeric key according to the European Waste Catalogue</xs:documentation> <xs:documentation>CODE: European waste catalogue (EWC) 2000/532/EC</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="2"/> <xs:maxLength value="6"/> <xs:pattern value="\d*"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **GoodsDescription**

diagram	 This element describes the goods of the shipment as free text.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
used by	element Goods
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation This element describes the goods of the shipment as free text
source	<pre><xs:element name="GoodsDescription" type="FreeText"> <xs:annotation> <xs:documentation>This element describes the goods of the shipment as free text</xs:documentation> </xs:annotation> </xs:element></pre>

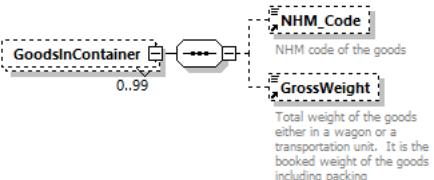
element **GoodsInWagon**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	NHM Code GrossWeight ContainerNumber GoodsInContainer
used by	element WagonInformation
annotation	documentation Goods
source	<pre> <xs:element name="GoodsInWagon"> <xs:annotation> <xs:documentation>Goods</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="NHM_Code"/> <xs:element ref="GrossWeight" minOccurs="0"/> <xs:element name="ContainerNumber" type="EquipmentNumberType" minOccurs="0"/> <xs:element name="GoodsInContainer" minOccurs="0" maxOccurs="99"> <xs:complexType> <xs:sequence> <xs:element ref="NHM_Code" minOccurs="0"/> <xs:element ref="GrossWeight" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **GoodsInWagon/ContainerNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	EquipmentNumberType
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 13
source	<xs:element name="ContainerNumber" type="EquipmentNumberType" minOccurs="0"/>

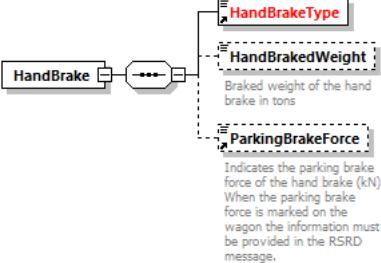
element **GoodsInWagon/GoodsInContainer**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 99 content complex
children	NHM Code GrossWeight
source	<pre><xs:element name="GoodsInContainer" minOccurs="0" maxOccurs="99"> <xs:complexType> <xs:sequence> <xs:element ref="NHM_Code" minOccurs="0"/> <xs:element ref="GrossWeight" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **GrossWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	WeightValueKilo
properties	content simple
used by	elements Goods GoodsInWagon/GoodsInContainer GoodsInWagon
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Total weight of the goods either in a wagon or a transportation unit. It is the booked weight of the goods including packing
source	<pre><xs:element name="GrossWeight" type="WeightValueKilo"> <xs:annotation> <xs:documentation>Total weight of the goods either in a wagon or a transportation unit. It is the booked weight of the goods including packing</xs:documentation> </xs:annotation> </xs:element></pre>

element **HandBrake**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	HandBrakeType HandBrakedWeight ParkingBrakeForce
used by	element RollingStockDataset/DesignDataSet
source	<pre> <xs:element name="HandBrake"> <xs:complexType> <xs:sequence> <xs:element ref="HandBrakeType" /> <xs:element name="HandBrakedWeight" minOccurs="0"> <xs:annotation> <xs:documentation>Braked weight of the hand brake in tons</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="4"/> <xs:fractionDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="ParkingBrakeForce" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **HandBrake/HandBrakedWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:decimal
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation totalDigits 4 fractionDigits 1
annotation	documentation Braked weight of the hand brake in tons
source	<pre> <xs:element name="HandBrakedWeight" minOccurs="0"> <xs:annotation></pre>

	<pre> <xs:documentation>Braked weight of the hand brake in tons</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:totalDigits value="4"/> <xs:fractionDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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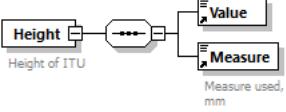
element HandlingInstruction

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	FreeText									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>255</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	255	
Kind	Value	Annotation								
minLength	1									
maxLength	255									
annotation	<p>documentation Special instructions regarding the handling of the wagon or shipment in free text</p>									
source	<pre> <xs:element name="HandlingInstruction" type="FreeText"> <xs:annotation> <xs:documentation>Special instructions regarding the handling of the wagon or shipment in free text</xs:documentation> </xs:annotation> </xs:element> </pre>									

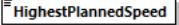
element HandoverPointFlag

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
used by	element LocationPrimaryInformation
annotation	<p>documentation Identifies if the location is a Handover Point from IM to IM</p>
source	<pre> <xs:element name="HandoverPointFlag"> <xs:annotation> <xs:documentation>Identifies if the location is a Handover Point from IM to IM</xs:documentation> </xs:annotation> </xs:element> </pre>

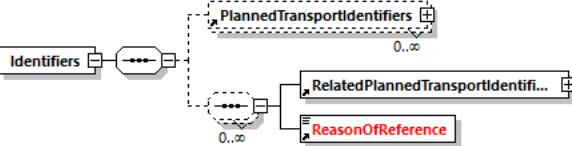
element **Height**

diagram	 Height of ITU
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Value Measure
used by	element Dimensions complexType DimensionValue
annotation	documentation Height of ITU
source	<pre><xs:element name="Height"> <xs:annotation> <xs:documentation>Height of ITU</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Value"/> <xs:element ref="Measure"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **HighestPlannedSpeed**

diagram	 IM may inform the RA (Responsible applicant) on the speed which was the basis for path construction
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Speed
properties	content simple
used by	element PlannedTrainTechnicalData
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation IM may inform the RA (Responsible applicant) on the speed which was the basis for path construction
source	<pre><xs:element name="HighestPlannedSpeed" type="Speed"> <xs:annotation> <xs:documentation>IM may inform the RA (Responsible applicant) on the speed which was the basis for path construction</xs:documentation> </xs:annotation> </xs:element></pre>

element **Identifiers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	PlannedTransportIdentifiers RelatedPlannedTransportIdentifiers ReasonOfReference
used by	elements PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage ReceiptConfirmationMessage
source	<pre> <xs:element name="Identifiers"> <xs:complexType> <xs:sequence> <xs:element ref="PlannedTransportIdentifiers" minOccurs="0" maxOccurs="unbounded"/> <xs:sequence minOccurs="0" maxOccurs="unbounded"> <xs:element ref="RelatedPlannedTransportIdentifiers"/> <xs:element ref="ReasonOfReference"/> </xs:sequence> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **IM_Partner**

diagram													
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	CompanyCode												
properties	content simple												
used by	elements Wagons/WagonDetails/ExceptionalConsignment ExceptionalGaugingIdent												
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												
annotation	documentation Infrastructure Manager												
source	<pre> <xs:element name="IM_Partner" type="CompanyCode"> <xs:annotation> <xs:documentation>Infrastructure Manager</xs:documentation> </xs:annotation> </xs:element> </pre>												

element **ImpactedRU**

diagram	
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namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1														
type	CompanyCode														
properties	content simple														
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </table>			Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation													
minLength	4														
maxLength	4														
pattern	[0-9A-Z]{4}														
annotation	<p>documentation</p> <p>The RU impacted by a restriction</p>														
source	<pre><xs:element name="ImpactedRU" type="CompanyCode"> <xs:annotation> <xs:documentation>The RU impacted by a restriction</xs:documentation> </xs:annotation> </xs:element></pre>														

element **IntermediateDestination**

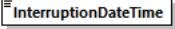
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	NextIntermediateDestination
annotation	<p>documentation</p> <p>A location on the route of a train</p>
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 **InternalReferenceIdentifier**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText

properties	content simple
used by	elements DelayCauseTime InterruptionPoint/Interruption InterruptionInformation TrainJourneyModificationMessage
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation The link to the IM System Reference
source	<xs:element name="InternalReferenceIdentifier" type="FreeText"> <xs:annotation> <xs:documentation>The link to the IM System Reference</xs:documentation> </xs:annotation> </xs:element>

element **InterruptionDateTime**

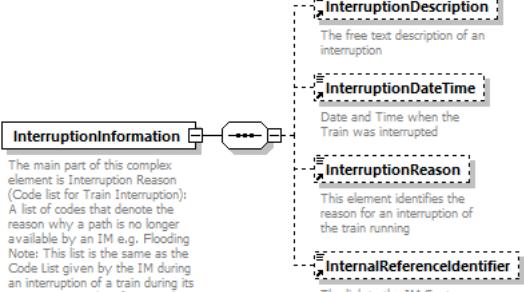
diagram	 InterruptionDateTime Date and Time when the Train was interrupted
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	elements InterruptionPoint/Interruption InterruptionInformation
annotation	documentation Date and Time when the Train was interrupted
source	<xs:element name="InterruptionDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and Time when the Train was interrupted</xs:documentation> </xs:annotation> </xs:element>

element **InterruptionDescription**

diagram	 InterruptionDescription The free text description of an interruption
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
used by	elements ChangeofTrackMessage ExceptionReason InterruptionPoint/Interruption InterruptionInformation
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation The free text description of an interruption
source	<xs:element name="InterruptionDescription" type="FreeText"> <xs:annotation> <xs:documentation>The free text description of an interruption</xs:documentation> </xs:annotation> </xs:element>

	<pre>interruption</xs:documentation> </xs:annotation> </xs:element></pre>
--	---

element **InterruptionInformation**

diagram	 <p>The main part of this complex element is Interruption Reason (Code list for Train Interruption): A list of codes that denote the reason why a path is no longer available by an IM e.g. Flooding Note: This list is the same as the Code List given by the IM during an interruption of a train during its operation. It is therefore a code that is reused during the interruption caused in planning. The other subelements help describing the interruption information more precisely.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	InterruptionDescription InterruptionDateTime InterruptionReason InternalReferenceIdentifier
used by	element PathNotAvailableMessage
annotation	<p>documentation</p> <p>The main part of this complex element is Interruption Reason (Code list for Train Interruption): A list of codes that denote the reason why a path is no longer available by an IM e.g. Flooding Note: This list is the same as the Code List given by the IM during an interruption of a train during its operation. It is therefore a code that is reused during the interruption caused in planning. The other subelements help describing the interruption information more precisely.</p>
source	<pre><xs:element name="InterruptionInformation"> <xs:annotation> <xs:documentation>The main part of this complex element is Interruption Reason (Code list for Train Interruption): A list of codes that denote the reason why a path is no longer available by an IM e.g. Flooding Note: This list is the same as the Code List given by the IM during an interruption of a train during its operation. It is therefore a code that is reused during the interruption caused in planning. The other subelements help describing the interruption information more precisely.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="InterruptionDescription" minOccurs="0"/> <xs:element ref="InterruptionDateTime" minOccurs="0"/> <xs:element ref="InterruptionReason" minOccurs="0"/> <xs:element ref="InternalReferenceIdentifier" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **InterruptionPoint**

diagram	<pre> classDiagram class InterruptionPoint { <<describes the interruption points with location and the reason for the interruption>> } class Location { <<Identifies a Location using a LocationIdent>> } class DetailedDescriptionOfLocation { <<DetailedDescriptionOfLocation>> } class Interruption { <<Interruption>> } class BookedLocationDateTime { <<Scheduled Date and Time of a train at a specified location as defined in the path contract>> } class ReferencedLocationDateTime { <<Reference to original planned Date and Time agreed by all involved IMs and RUs.>> } class InterruptionDuration { <<To specify the probable duration of the interruption>> } class Remarks { <<0..>> <<To provide any additional information to the RU or next IM (e.g. contact person, next steps, etc)>> } InterruptionPoint < -- Location InterruptionPoint < -- DetailedDescriptionOfLocation InterruptionPoint < -- Interruption InterruptionPoint < -- BookedLocationDateTime InterruptionPoint < -- ReferencedLocationDateTime InterruptionPoint < -- InterruptionDuration InterruptionPoint < -- Remarks </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Location DetailedDescriptionOfLocation Interruption BookedLocationDateTime ReferencedLocationDateTime InterruptionDuration Remarks
used by	element TrainRunningInterruptionMessage
annotation	documentation describes the interruption points with location and the reason for the interruption
source	<pre> <x:element name="InterruptionPoint"> <x:annotation> <x:documentation>describes the interruption points with location and the reason for the interruption</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element ref="Location"/> <x:element name="DetailedDescriptionOfLocation" type="FreeText" minOccurs="0"/> <x:element name="Interruption"> <x:complexType> <x:sequence> <x:element ref="InterruptionReason" minOccurs="0"/> <x:element ref="InterruptionDateTime"/> <x:element ref="InterruptionDescription" minOccurs="0" maxOccurs="unbounded"/> <x:element ref="InternalReferenceIdentifier" minOccurs="0"/> </x:sequence> </x:complexType> </x:element> <x:element ref="BookedLocationDateTime" minOccurs="0"> <x:annotation> <x:documentation>Scheduled Date and Time of a train at a specified location as defined in the path contract</x:documentation> </x:annotation> </x:element> <x:element ref="ReferencedLocationDateTime" minOccurs="0"/> </x:sequence> </x:complexType> </x:element> </pre>

	<pre> <xs:element name="InterruptionDuration" minOccurs="0"> <xs:annotation> <xs:documentation>To specify the probable duration of the interruption</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="EarliestEndDateTime" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Forecasted earliest time for end of interruption</xs:documentation> </xs:annotation> </xs:element> <xs:element name="LatestEndDateTime" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Forecasted latest time for end of interruption</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> <xs:element ref="Remarks" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>To provide any additional information to the RU or next IM (e.g. contact person, next steps, etc)</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **InterruptionPoint/DetailedDescriptionOfLocation**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	FreeText									
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>simple</td></tr> </table>	minOcc	0	maxOcc	1	content	simple			
minOcc	0									
maxOcc	1									
content	simple									
facets	<table> <tr> <td>Kind</td><td>Value</td><td>Annotation</td></tr> <tr> <td>minLength</td><td>1</td><td></td></tr> <tr> <td>maxLength</td><td>255</td><td></td></tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	255	
Kind	Value	Annotation								
minLength	1									
maxLength	255									
source	<pre> <xs:element name="DetailedDescriptionOfLocation" type="FreeText" minOccurs="0"/> </pre>									

element **InterruptionPoint/Interruption**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	InterruptionReason InterruptionDateTime InterruptionDescription InternalReferenceIdentifier
source	<pre> <xs:element name="Interruption"> <xs:complexType> <xs:sequence> <xs:element ref="InterruptionReason" minOccurs="0"/> <xs:element ref="InterruptionDateTime"/> <xs:element ref="InterruptionDescription" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="InternalReferenceIdentifier" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **InterruptionPoint/InterruptionDuration**

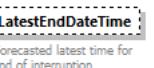
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	EarliestEndDateTime LatestEndDateTime
annotation	documentation To specify the probable duration of the interruption
source	<pre> <xs:element name="InterruptionDuration" minOccurs="0"> <xs:annotation> <xs:documentation>To specify the probable duration of the interruption</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="EarliestEndDateTime" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Forecasted earliest time for end of interruption</xs:documentation> </xs:annotation> </xs:element> <xs:element name="LatestEndDateTime" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Forecasted latest time for end of interruption</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> interruption</xs:documentation> </xs:annotation> </xs:element> <xs:element name="LatestEndDateTime" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Forecasted latest time for end of interruption</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **InterruptionPoint/InterruptionDuration/EarliestEndDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Forecasted earliest time for end of interruption
source	<pre> <xs:element name="EarliestEndDateTime" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Forecasted earliest time for end of interruption</xs:documentation> </xs:annotation> </xs:element> </pre>

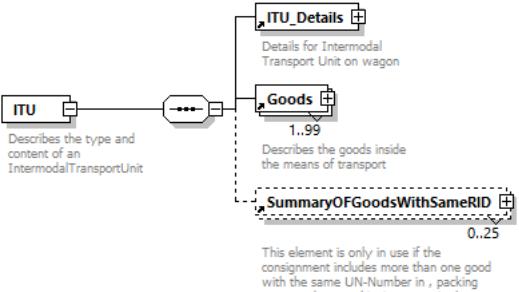
element **InterruptionPoint/InterruptionDuration/LatestEndDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Forecasted latest time for end of interruption
source	<pre> <xs:element name="LatestEndDateTime" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Forecasted latest time for end of interruption</xs:documentation> </xs:annotation> </xs:element> </pre>

element **InterruptionReason**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	DelayCode
used by	elements ChangeofTrackMessage InterruptionPoint InterruptionInformation
annotation	documentation This element identifies the reason for an interruption of the train running
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>

element **ITU**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	ITU Details Goods SummaryOfGoodsWithSameRID
used by	element Wagons
annotation	documentation Describes the type and content of an IntermodalTransportUnit
source	<pre><xs:element name="ITU"> <xs:annotation> <xs:documentation>Describes the type and content of an IntermodalTransportUnit</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="ITU_Details"> <xs:annotation> <xs:documentation>Details for Intermodal Transport Unit on wagon</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="Goods"> <xs:annotation> <xs:documentation>Details for Intermodal Transport Unit on wagon</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="SummaryOfGoodsWithSameRID" maxOccurs="25"/> <xs:element ref="SummaryOfGoodsWithSameRID" minOccurs="0" maxOccurs="99"/> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre></xs:sequence> </xs:complexType> </xs:element></pre>
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element **ITU_Details**

diagram	<pre> classDiagram class ITU_Details { ITU_Type Number LoadingStatus ITU_TypeDetail { Prefix Checkdigit } Dimensions TareWeight SwapBodyCodification Forwarding Ship TurnInNumber DeliveryReference OriginCountry DepartureCountry UltimateDestinationCountry Seals ReferenceNumbers } ITU_Details "1" -- "1" ITU_Details note over ITU_Details: Details for ITU on wagon </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	ITU_Type Number LoadingStatus ITU_TypeDetail Prefix Checkdigit Dimensions TareWeight SwapBodyCodification Forwarding Ship TurnInNumber DeliveryReference OriginCountry DepartureCountry UltimateDestinationCountry Seals ReferenceNumbers
used by	element ITU
annotation	documentation Details for ITU on wagon
source	<pre><xs:element name="ITU_Details"> <xs:annotation> <xs:documentation>Details for ITU on wagon</xs:documentation> </xs:annotation></pre>

	<pre> <xs:complexType> <xs:sequence> <xs:element ref="ITU_Type"> <xs:annotation> <xs:documentation>Type of Intermodal Transport Unit. Further information is given for each enumeration element.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="Number"> <xs:annotation> <xs:documentation>ITU number</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="EquipmentNumberType"/> </xs:simpleType> </xs:element> <xs:element ref="LoadingStatus"/> <xs:element name="ITU_TypeDetail"> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="BX"/> <xs:enumeration value="BK"/> <xs:enumeration value="FL"/> <xs:enumeration value="HT"/> <xs:enumeration value="HC"/> <xs:enumeration value="IN"/> <xs:enumeration value="OT"/> <xs:enumeration value="HH"/> <xs:enumeration value="PW"/> <xs:enumeration value="OS"/> <xs:enumeration value="RF"/> <xs:enumeration value="SD"/> <xs:enumeration value="SL"/> <xs:enumeration value="VE"/> <xs:enumeration value="TC"/> <xs:enumeration value="RH"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Prefix" minOccurs="0"> <xs:annotation> <xs:documentation>Prefix</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Checkdigit" minOccurs="0"> <xs:annotation> <xs:documentation>Check digit</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:totalDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </pre>
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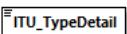
	<pre> </xs:simpleType> </xs:element> <xs:element ref="Dimensions"/> <xs:element name="TareWeight" type="WeightValueKilo"> <xs:annotation> <xs:documentation>Tare weight [kg] of UTI.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="SwapBodyCodification" minOccurs="0"> <xs:annotation> <xs:documentation>Codification used for swap bodies according to regulations </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="3"/> <xsmaxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Forwarding" minOccurs="0"> <xs:annotation> <xs:documentation>Final destination of the UTI.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xsmaxLength value="80"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Ship" minOccurs="0"> </xs:element> <xs:element name="TurnInNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Reference number used for empty containers in of shipping company.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xsmaxLength value="30"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="DeliveryReference" minOccurs="0"/> <xs:element ref="OriginCountry" minOccurs="0"/> <xs:element name="DepartureCountry" type="CountryIdentISO" minOccurs="0"> <xs:annotation> <xs:documentation>Code of departure country of the UTI.</xs:documentation> <xs:documentation>CODE: ISO-3166-2</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="UltimateDestinationCountry" minOccurs="0"/> </pre>
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	<pre> <xs:element ref="Seals" <xs:element ref="ReferenceNumbers" </xs:sequence> </xs:complexType> </xs:element> </pre>	
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element **ITU_Details/Number**

diagram	 ITU number									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of EquipmentNumberType									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>13</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	13	
Kind	Value	Annotation								
minLength	1									
maxLength	13									
annotation	documentation ITU number									
source	<pre> <xs:element name="Number"> <xs:annotation> <xs:documentation>ITU </xs:annotation> <xs:simpleType> <xs:restriction base="EquipmentNumberType"/> </xs:simpleType> </xs:element> </pre>									

element **ITU_Details/ITU_TypeDetail**

diagram																																											
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																																										
type	restriction of xs:token																																										
properties	content simple																																										
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>BX</td> <td></td> </tr> <tr> <td>enumeration</td> <td>BK</td> <td></td> </tr> <tr> <td>enumeration</td> <td>FL</td> <td></td> </tr> <tr> <td>enumeration</td> <td>HT</td> <td></td> </tr> <tr> <td>enumeration</td> <td>HC</td> <td></td> </tr> <tr> <td>enumeration</td> <td>IN</td> <td></td> </tr> <tr> <td>enumeration</td> <td>OT</td> <td></td> </tr> <tr> <td>enumeration</td> <td>HH</td> <td></td> </tr> <tr> <td>enumeration</td> <td>PW</td> <td></td> </tr> <tr> <td>enumeration</td> <td>OS</td> <td></td> </tr> <tr> <td>enumeration</td> <td>RF</td> <td></td> </tr> <tr> <td>enumeration</td> <td>SD</td> <td></td> </tr> <tr> <td>enumeration</td> <td>SL</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	BX		enumeration	BK		enumeration	FL		enumeration	HT		enumeration	HC		enumeration	IN		enumeration	OT		enumeration	HH		enumeration	PW		enumeration	OS		enumeration	RF		enumeration	SD		enumeration	SL	
Kind	Value	Annotation																																									
enumeration	BX																																										
enumeration	BK																																										
enumeration	FL																																										
enumeration	HT																																										
enumeration	HC																																										
enumeration	IN																																										
enumeration	OT																																										
enumeration	HH																																										
enumeration	PW																																										
enumeration	OS																																										
enumeration	RF																																										
enumeration	SD																																										
enumeration	SL																																										

	enumeration VE enumeration TC enumeration RH
source	<pre><xs:element name="ITU_TypeDetail"> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="BX"/> <xs:enumeration value="BK"/> <xs:enumeration value="FL"/> <xs:enumeration value="HT"/> <xs:enumeration value="HC"/> <xs:enumeration value="IN"/> <xs:enumeration value="OT"/> <xs:enumeration value="HH"/> <xs:enumeration value="PW"/> <xs:enumeration value="OS"/> <xs:enumeration value="RF"/> <xs:enumeration value="SD"/> <xs:enumeration value="SL"/> <xs:enumeration value="VE"/> <xs:enumeration value="TC"/> <xs:enumeration value="RH"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **ITU_Details/Prefix**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 5
annotation	documentation Prefix
source	<pre><xs:element name="Prefix" minOccurs="0"> <xs:annotation> <xs:documentation>Prefix</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **ITU_Details/Checkdigit**

diagram	 Check digit
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:int
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation totalDigits 1
annotation	documentation Check digit
source	<pre><xs:element name="Checkdigit" minOccurs="0"> <xs:annotation> <xs:documentation>Check digit</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:totalDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **ITU_Details/TareWeight**

diagram	 Tare weight [kg] of UTI.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	WeightValueKilo
properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Tare weight [kg] of UTI.
source	<pre><xs:element name="TareWeight" type="WeightValueKilo"> <xs:annotation> <xs:documentation>Tare weight [kg] of UTI.</xs:documentation> </xs:annotation> </xs:element></pre>

element **ITU_Details/SwapBodyCodification**

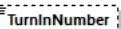
diagram	 Codification used for swap bodies according to UIC/UIRR regulations
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string

properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 3 maxLength 4
annotation	documentation Codification used for swap bodies according to UIC/UIRR regulations documentation CODE:
source	<pre><xs:element name="SwapBodyCodification" minOccurs="0"> <xs:annotation> <xs:documentation>Codification used for swap bodies according to UIC/UIRR regulations</xs:documentation> <xs:documentation>CODE:</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="3"/> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

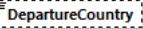
element ITU_Details/Forwarding

diagram	<p>Forwarding</p> <p>Final destination of the UTI.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 80
annotation	documentation Final destination of the UTI.
source	<pre><xs:element name="Forwarding" minOccurs="0"> <xs:annotation> <xs:documentation>Final destination of the UTI.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="80"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **ITU_Details/TurnInNumber**

diagram	 Reference number used for empty containers in depots of shipping company.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 30
annotation	documentation Reference number used for empty containers in depots of shipping company.
source	<pre><xs:element name="TurnInNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Reference number used for empty containers in depots of shipping company.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="30"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

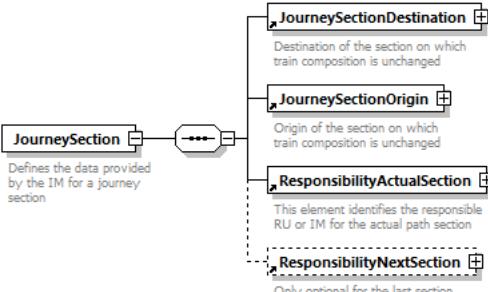
element **ITU_Details/DepartureCountry**

diagram	 Code of departure country of the UTI.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CountryIdentISO
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Code of departure country of the UTI. documentation CODE: ISO-3166-2
source	<pre><xs:element name="DepartureCountry" type="CountryIdentISO" minOccurs="0"> <xs:annotation> <xs:documentation>Code of departure country of the UTI.</xs:documentation> <xs:documentation>CODE: ISO-3166-2</xs:documentation> </xs:annotation> </xs:element></pre>

element **ITU_Type**

diagram																						
	Type of ITU. Further information is given for each enumeration element.																					
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																					
type	restriction of EquipmentTypeType																					
properties	content simple																					
used by	element ITU_Details																					
facets	<table border="0"> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>enumeration</td> <td>cn</td> <td>documentation</td> </tr> <tr> <td></td> <td></td> <td>Container</td> </tr> <tr> <td>enumeration</td> <td>sw</td> <td>documentation</td> </tr> <tr> <td></td> <td></td> <td>swap body</td> </tr> <tr> <td>enumeration</td> <td>te</td> <td>documentation</td> </tr> <tr> <td></td> <td></td> <td>Trailer (RollingRoad)</td> </tr> </table>	Kind	Value	Annotation	enumeration	cn	documentation			Container	enumeration	sw	documentation			swap body	enumeration	te	documentation			Trailer (RollingRoad)
Kind	Value	Annotation																				
enumeration	cn	documentation																				
		Container																				
enumeration	sw	documentation																				
		swap body																				
enumeration	te	documentation																				
		Trailer (RollingRoad)																				
annotation	documentation Type of ITU. Further information is given for each enumeration element.																					
source	<pre> <xs:element name="ITU_Type"> <xs:annotation> <xs:documentation>Type of ITU. Further information is given for each enumeration</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="EquipmentTypeType"/> </xs:simpleType> </xs:element> </pre>																					

element **JourneySection**

diagram	
	<p>JourneySectionDestination Destination of the section on which train composition is unchanged</p> <p>JourneySectionOrigin Origin of the section on which train composition is unchanged</p> <p>ResponsibilityActualSection This element identifies the responsible RU or IM for the actual path section</p> <p>ResponsibilityNextSection Only optional for the last section</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	JourneySectionDestination JourneySectionOrigin ResponsibilityActualSection ResponsibilityNextSection
used by	element TrainCompositionJourneySection
annotation	documentation Defines the data provided by the IM for a journey section
source	<pre> <xs:element name="JourneySection"> <xs:annotation> <xs:documentation>Defines the data provided by the IM for a journey section</xs:documentation> </xs:annotation> </pre>

	<pre> <xs:complexType> <xs:sequence> <xs:element ref="JourneySectionDestination"/> <xs:element ref="JourneySectionOrigin"/> <xs:element ref="ResponsibilityActualSection"/> <xs:element ref="ResponsibilityNextSection" minOccurs="0"> <xs:annotation> <xs:documentation>Only optional for the last section</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **JourneySectionDestination**

diagram	<pre> classDiagram class JourneySectionDestination { <<Destination of the section on which train composition is unchanged>> } class LocationIdent { <<LocationIdent (extension)>> } class CountryCodeISO { <<Identifies a Country or State by code (ISO 3166-1)>> } class LocationPrimaryCode { <<PrimaryLocationName>> } class PrimaryLocationName { <<Location Name in an official language of the Country using the ISO Unicode alphabet>> } class LocationSubsidiaryIdentification { <<Code, Name and allocation company of Subsidiary Location>> } class BookedLocationDateTime { <<Scheduled Date and Time of a train at a specified location as defined in the path contract>> } JourneySectionDestination "1" -- "1" CountryCodeISO JourneySectionDestination "1" -- "1" LocationPrimaryCode JourneySectionDestination "1" -- "1" PrimaryLocationName JourneySectionDestination "1" -- "1" LocationSubsidiaryIdentification JourneySectionDestination "1" -- "1" BookedLocationDateTime </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification BookedLocationDateTime
used by	element JourneySection
annotation	documentation Destination of the section on which train composition is unchanged
source	<pre> <xs:element name="JourneySectionDestination"> <xs:annotation> <xs:documentation>Destination of the section on which train composition is unchanged</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="LocationIdent"> <xs:sequence minOccurs="0"> <xs:element ref="BookedLocationDateTime" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>

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

element **JourneySectionOrigin**

diagram	<pre> classDiagram class JourneySectionOrigin { <<Origin of the section on which train composition is unchanged>> } class LocationIdent { <<LocationIdent (extension)>> } class CountryCodeISO { <<Identifies a County or State by code (ISO 3166-1)>> } class LocationPrimaryCode { <<Location Name in an official language of the Country using the ISO Unicode alphabet>> } class PrimaryLocationName { <<Location Name in an official language of the Country using the ISO Unicode alphabet>> } class LocationSubsidiaryIdentification { <<Code, Name and allocation company of Subsidiary Location>> } class BookedLocationDateTime { <<Scheduled Date and Time of a train at a specified location as defined in the path contract>> } JourneySectionOrigin < -- LocationIdent LocationIdent < -- CountryCodeISO LocationIdent < -- LocationPrimaryCode LocationIdent < -- PrimaryLocationName LocationIdent < -- LocationSubsidiaryIdentification LocationIdent < -- BookedLocationDateTime </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification BookedLocationDateTime
used by	element JourneySection
annotation	documentation Origin of the section on which train composition is unchanged
source	<pre> <xs:element name="JourneySectionOrigin"> <xs:annotation> <xs:documentation>Origin of the section on which train composition is unchanged</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="LocationIdent"> <xs:sequence minOccurs="0"> <xs:element ref="BookedLocationDateTime" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>

element **KeeperShortNameVKM**

diagram	<pre> class Diagram { class KeeperShortNameVKM { <<Free text, short name/vehicle keeper marking of the wagon keeper>> } } </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string

properties	content simple
used by	elements RollingStockDataset/AdministrativeDataSet RollingStockDatasetMessage/RefusedWagonNumbers
facets	Kind Value Annotation maxLength 10
annotation	documentation Free text, short name/vehicle keeper marking of the wagon keeper
source	<pre><xs:element name="KeeperShortNameVKM"> <xs:annotation> <xs:documentation>Free text, short name/vehicle keeper marking of the keeper</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="10"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element LastModifiedDateTime

diagram	<p>LastModifiedDateTime Date and Time of last update or modification of data</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
annotation	documentation Date and Time of last update or modification of data
source	<pre><xs:element name="LastModifiedDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and Time of last update or modification of data</xs:documentation> </xs:annotation> </xs:element></pre>

element Latitude

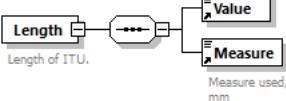
diagram	<p>Latitude Latitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:float
properties	content simple
used by	element GeographicCoordinates
annotation	documentation Latitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.
source	<pre><xs:element name="Latitude" type="xs:float"> <xs:annotation></pre>

	<p style="color: red; font-family: monospace;"> <xs:documentation>Latitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.</xs:documentation> </xs:annotation> </xs:element> </p>
--	--

element **LeadRU**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CompanyCode
properties	content simple
used by	elements Customers PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Lead Railway Undertaking
source	<pre style="font-family: monospace;"> <xs:element name="LeadRU" type="CompanyCode"> <xs:annotation> <xs:documentation>Lead Railway Undertaking</xs:documentation> </xs:annotation> </xs:element> </pre>

element **Length**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Value Measure
used by	elements Dimensions TractionDetails complexType DimensionValue
annotation	documentation Length of ITU.
source	<pre style="font-family: monospace;"> <xs:element name="Length"> <xs:annotation> <xs:documentation>Length of ITU.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Value"/> <xs:element ref="Measure"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **LengthOfSetOfCarriages**

diagram	 LengthOfSetOfCarriages The calculated and rounded up maximum length of all wagons/coaches of the train (sum of all length over buffer of the wagons) expressed in metres. This is made optional together with TrainLength, but it could be implemented by applications as mandatory.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric4-4
properties	content simple
used by	element PlannedTrainTechnicalData
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
annotation	documentation The calculated and rounded up maximum length of all wagons/coaches of the train (sum of all length over buffer of the wagons) expressed in metres. This is made optional together with TrainLength, but it could be implemented by applications as mandatory.
source	<pre><xs:element name="LengthOfSetOfCarriages" type="Numeric4-4"> <xs:annotation> <xs:documentation>The calculated and rounded up maximum length of all wagons/coaches of the train (sum of all length over buffer of the wagons) expressed in metres. This is made optional together with TrainLength, but it could be implemented by applications as mandatory.</xs:documentation> </xs:annotation> </xs:element></pre>

element **LengthOverBuffers**

diagram	 LengthOverBuffers Length over buffers is expressed in cm.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
used by	elements RollingStockDataset/DesignDataSet WagonTechData
facets	Kind Value Annotation minInclusive 1 maxInclusive 999999
annotation	documentation Length over buffers is expressed in cm.
source	<pre><xs:element name="LengthOverBuffers"> <xs:annotation> <xs:documentation>Length over buffers is expressed in cm.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"></pre>

	<pre> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </pre>	value="1"/> value="999999"/>
--	---	---

element LoadArea

diagram	 LoadArea Payload Area - measured in M2										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1										
type	restriction of xs:decimal										
properties	content simple										
used by	element RollingStockDataset/DesignDataSet										
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>totalDigits</td> <td>5</td> <td></td> </tr> <tr> <td>fractionDigits</td> <td>1</td> <td></td> </tr> </tbody> </table>		Kind	Value	Annotation	totalDigits	5		fractionDigits	1	
Kind	Value	Annotation									
totalDigits	5										
fractionDigits	1										
annotation	documentation Payload Area - measured in M2										
source	<pre> <xs:element name="LoadArea"> <xs:annotation> <xs:documentation>Payload Area - measured in M2</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="5"/> <xs:fractionDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>										

element LoadingCapacity

diagram	 LoadingCapacity Usable Cube - measured in M3										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1										
type	restriction of xs:decimal										
properties	content simple										
used by	element RollingStockDataset/DesignDataSet										
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>totalDigits</td> <td>5</td> <td></td> </tr> <tr> <td>fractionDigits</td> <td>1</td> <td></td> </tr> </tbody> </table>		Kind	Value	Annotation	totalDigits	5		fractionDigits	1	
Kind	Value	Annotation									
totalDigits	5										
fractionDigits	1										
annotation	documentation Usable Cube - measured in M3										
source	<pre> <xs:element name="LoadingCapacity"> <xs:annotation> <xs:documentation>Usable Cube - measured in M3</xs:documentation> </xs:annotation> </pre>										

	<pre> <xs:simpleType> <xs:restriction> <xs:totalDigits <xs:fractionDigits </xs:restriction> </xs:simpleType> </xs:element> </pre>	<base="xs:decimal"> </base="xs:decimal"> value="5"/> value="1"/>
--	---	--

element LoadingFacility

diagram	<p>The diagram shows a class named 'LoadingFacility' with two associations. One association leads to a class named 'CustomerNumber' with a multiplicity of '0..1'. A note next to this association states: 'The customer number of the COM differs from the customer code used in TAF/TSI, its format may not accord to the TAF elem...'. The other association leads to a class named 'AdministrativeContactInformation' with a multiplicity of '0..1'. A note next to this association states: 'Used to define administrative contact information'.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	CustomerNumber AdministrativeContactInformation
used by	elements ConsignmentOrderMessage/COMS/COM/AcceptancePoint ConsignmentOrderMessage/COMS/COM/DeliveryPoint
annotation	documentation Identifies the loading facility (in case of message type = ORU)
source	<pre> <xs:element name="LoadingFacility"> <xs:annotation> <xs:documentation>Identifies the loading facility (in case of message type ORU)</xs:documentation> = </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="CustomerNumber" minOccurs="0"/> <xs:element ref="AdministrativeContactInformation"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element LoadingStatus

diagram	<p>The diagram shows a class named 'LoadingStatus' with a note below it stating: 'Loading status of the equipment. 0=Empty, 1=Loaded'.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
used by	elements ITU Details RollingRoadUnit/RollingRoadUnitDetails Wagon/WagonDetails WagonInformation
facets	Kind Value Annotation enumeration 0 enumeration 1
annotation	documentation Loading status of the equipment. 0=Empty, 1=Loaded

source	<pre> <xs:element name="LoadingStatus"> <xs:annotation> <xs:documentation>Loading status of the equipment. 0=Empty, 1=Loaded</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--------	---

element **LoadingTackles**

diagram	<pre> classDiagram class LoadingTackles { <<Describes the loading tackles used inside the wagon>> } class LoadingTackleType { <<Loading tackle according to UN/EDIFACT Data Element 8053 UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used in case the loading tackle is not included in the list.>> } class Quantity { <<Amount of the loading tackles of the specified type.>> } class TotalWeightLoadingTackles { <<Total weight of the loading tackles (kg) of the specified type>> } class TypeDescription { <<Description of loading tackle, which is not included in the UN/EDIFACT 8053 list.>> } LoadingTackles --o LoadingTackleType LoadingTackles --o Quantity LoadingTackles --o TotalWeightLoadingTackles LoadingTackles --o TypeDescription </pre>
namespace	http://www.era.europa.eu/schemas/TAFTSI/3.1
properties	content complex
children	LoadingTackleType Quantity TotalWeightLoadingTackles TypeDescription
used by	Wagons
annotation	documentation Describes the loading tackles used inside the wagon
source	<pre> <xs:element name="LoadingTackles"> <xs:annotation> <xs:documentation>Describes the loading tackles used inside the wagon</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="LoadingTackleType"> <xs:annotation> <xs:documentation>Loading tackle according to UN/EDIFACT Data Element 8053 UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used in case the loading tackle is not included in the list. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"/> </xs:simpleType> </xs:element> <xs:element ref="Quantity"/> <xs:element name="TotalWeightLoadingTackles" type="WeightValueKilo"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:annotation> <xs:documentation>Total weight of the loading tackles (kg) of the specified </xs:documentation> </xs:annotation> </xs:element> <xs:element name="TypeDescription" minOccurs="0"> <xs:annotation> <xs:documentation>Description of loading tackle, which is not included in the UN/EDIFACT 8053 list.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="35"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element LoadingTackles/LoadingTackleType

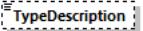
diagram	<p>The diagram shows a rectangular box labeled "LoadingTackleType". Below the box, a small note states: "Loading tackle according toUN/EDIFACT Data Element 8053 UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used in case the loading tackle is not included in the list."</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of <code>xs:string</code>
properties	content simple
annotation	documentation Loading tackle according toUN/EDIFACT Data Element 8053 UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used in case the loading tackle is not included in the list.
source	<pre> <xs:element name="LoadingTackleType"> <xs:annotation> <xs:documentation>Loading tackle according toUN/EDIFACT Data Element 8053 UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used in case the loading tackle is not included in the list. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="35"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element LoadingTackles/TotalWeightLoadingTackles

diagram	<p>The diagram shows a rectangular box labeled "TotalWeightLoadingTackles". Below the box, a small note states: "Total weight of the loading tackles (kg) of the specified type"</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	WeightValueKilo

properties	content simple												
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999999</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>collapse</td> <td></td> </tr> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	999999		whiteSpace	collapse	
Kind	Value	Annotation											
minInclusive	0												
maxInclusive	999999												
whiteSpace	collapse												
annotation	<p>documentation</p> <p>Total weight of the loading tackles (kg) of the specified type</p>												
source	<pre><xs:element name="TotalWeightLoadingTackles" type="WeightValueKilo"> <xs:annotation> <xs:documentation>Total weight of the loading tackles (kg) of the specified type</xs:documentation> </xs:annotation> </xs:element></pre>												

element LoadingTackles/TypeDescription

diagram	 <p>TypeDescription</p> <p>Description of loading tackle, which is not included in the UN/EDIFACT 8053 list.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	<table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table>	minOcc	0	maxOcc	1	content	simple			
minOcc	0									
maxOcc	1									
content	simple									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>35</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	35	
Kind	Value	Annotation								
minLength	1									
maxLength	35									
annotation	<p>documentation</p> <p>Description of loading tackle, which is not included in the UN/EDIFACT 8053 list.</p>									
source	<pre><xs:element name="TypeDescription" minOccurs="0"> <xs:annotation> <xs:documentation>Description of loading tackle, which is not included in the UN/EDIFACT 8053 list.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength> <xs:minLength> </xs:restriction> </xs:simpleType> </xs:element></pre> <p style="text-align: right;"> base="xs:string" value="35"/></p> <p style="text-align: right;"> value="1"/></p>									

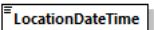
element **Location**

diagram	<pre> classDiagram class LocationIdent { ---> Location ---> CountryCodeISO ---> LocationPrimaryCode ---> PrimaryLocationName ---> LocationSubsidiaryIdentification } class Location class CountryCodeISO class LocationPrimaryCode class PrimaryLocationName class LocationSubsidiaryIdentification </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	<u>LocationIdent</u>
properties	content complex
children	<u>CountryCodeISO</u> <u>LocationPrimaryCode</u> <u>PrimaryLocationName</u> <u>LocationSubsidiaryIdentification</u>
used by	elements <u>ArrivalInterchangeReport</u> <u>ConsignmentOrderMessage/COMS/COM/CustomsProcedures</u> <u>DepartureInterchangeReport</u> <u>ExceptionPoint</u> <u>InterruptionPoint</u> <u>LocationModified</u> <u>ProductionStation</u> <u>SpecialTreatments</u> <u>TrainForecastAtReportingLocationMessage</u> <u>TrainLocationReport</u> <u>WagonAtDeparture</u> <u>WagonEventInformation</u> <u>WagonPickupAtOrigin</u> <u>YardArrival</u> <u>YardDeparture</u>
annotation	documentation Identifies a Location using a LocationIdent
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>

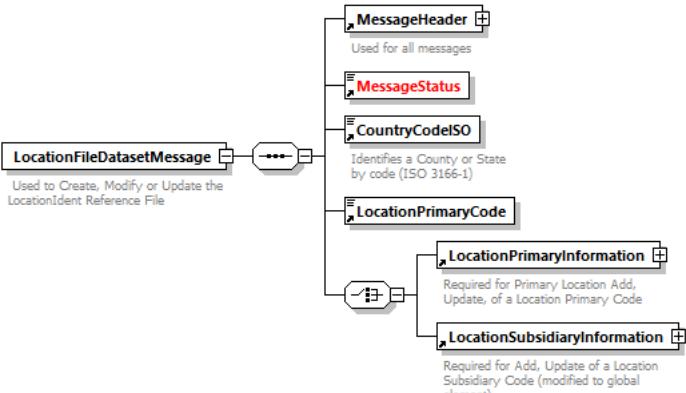
element **LocationActualTrack**

diagram	<pre> classDiagram class LocationIdent { ---> LocationActualTrack ---> CountryCodeISO ---> LocationPrimaryCode ---> PrimaryLocationName ---> LocationSubsidiaryIdentification } class LocationActualTrack class CountryCodeISO class LocationPrimaryCode class PrimaryLocationName class LocationSubsidiaryIdentification </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	<u>LocationIdent</u>
properties	content complex
children	<u>CountryCodeISO</u> <u>LocationPrimaryCode</u> <u>PrimaryLocationName</u> <u>LocationSubsidiaryIdentification</u>
used by	element <u>ChangeofTrackMessage</u>
source	<pre> <xs:element name="LocationActualTrack" type="LocationIdent"/> </pre>

element **LocationDateTime**

diagram	
	Identifies the actual or forecasted Date / Time at a specific reporting point
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	TrainAtLocation TrainLocationReport
annotation	documentation Identifies the actual or forecasted Date / Time at a specific reporting point
source	<pre> <xs:element name="LocationDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Identifies the actual or forecasted Date / Time at a specific reporting point</xs:documentation> </xs:annotation> </xs:element> </pre>

element **LocationFileDatasetMessage**

diagram	 <pre> graph LR LFD[LocationFileDatasetMessage] --- MH[MessageHeader] LFD --- MS[MessageStatus] LFD --- CC[CountryCodeISO] LFD --- LPC[LocationPrimaryCode] LFD --- LPI[LocationPrimaryInformation] LFD --- LS[LocationSubsidiaryInformation] </pre> <p>Used to Create, Modify or Update the LocationIdent Reference File</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader MessageStatus CountryCodeISO LocationPrimaryCode LocationPrimaryInformation LocationSubsidiaryInformation
annotation	documentation Used to Create, Modify or Update the LocationIdent Reference File
source	<pre> <xs:element name="LocationFileDatasetMessage"> <xs:annotation> <xs:documentation> Used to Create, Modify or Update the LocationIdent File</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"/> <xs:element ref="CountryCodeISO"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:element <xs:choice> <xs:element <xs:element </xs:choice> </xs:sequence> </xs:complexType> </xs:element> </pre>	<pre> ref="LocationPrimaryCode"/> ref="LocationPrimaryInformation"/> ref="LocationSubsidiaryInformation"/> </pre>
--	---	--

element **LocationModified**

diagram	<pre> classDiagram class Location { "Identifies a Location using a LocationIdent" } class ModificationStatusIndicator { "This element shows if the location has been added or deleted in the modified train journey" } class TrainLocationStatus { "Identifies the status of a train related to the actual time at a reporting point" } class BookedLocationDateTime { "Scheduled Date and Time of a train at a specified location as defined in the path contract" } class LocationModified { "This element shows the Location that has been changed for the train run" } Location < -- LocationModified ModificationStatusIndicator < -- LocationModified TrainLocationStatus < -- LocationModified BookedLocationDateTime < -- LocationModified </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Location ModificationStatusIndicator TrainLocationStatus BookedLocationDateTime
used by	element TrainJourneyModification
annotation	documentation This element shows the Location that has been changed for the train run
source	<pre> <xs:element name="LocationModified"> <xs:annotation> <xs:documentation>This element shows the Location that has been changed for the train run</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="ModificationStatusIndicator"/> <xs:element ref="TrainLocationStatus" minOccurs="0"/> <xs:element ref="BookedLocationDateTime" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **LocationPlannedTrack**

diagram	<pre> classDiagram class LocationPlannedTrack class LocationIdent { <<CountryCodeISO>> <<LocationPrimaryCode>> <<PrimaryLocationName>> <<LocationSubsidiaryIdentification>> } LocationPlannedTrack --> LocationIdent </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	element ChangeofTrackMessage
source	<code><xs:element name="LocationPlannedTrack" type="LocationIdent"/></code>

element **LocationPrimaryCode**

diagram	<pre> classDiagram class LocationPrimaryCode </pre>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	Numeric1-5									
properties	content simple									
used by	element LocationFileDatasetMessage complexType LocationIdent									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99999</td> <td></td> </tr> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	99999	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	99999									
source	<code><xs:element name="LocationPrimaryCode" type="Numeric1-5"/></code>									

element **LocationPrimaryInformation**

diagram	<pre> classDiagram class LocationPrimaryInformation { LocationPrimaryName ResponsibleIM PrimaryLocationNameASCII LocationValidityPeriod ContainerHandlingFlag HandoverPointFlag FreightFlag FreightValidityPeriod PassengerFlag PassengerValidityPeriod GeographicCoordinates NUTS_Code Comments } note over LocationPrimaryInformation: Required for Primary Location Add, Update, of a Location Primary Code </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LocationPrimaryName ResponsibleIM PrimaryLocationNameASCII LocationValidityPeriod ContainerHandlingFlag HandoverPointFlag FreightFlag FreightValidityPeriod PassengerFlag PassengerValidityPeriod GeographicCoordinates NUTS_Code Comments
used by	element LocationFileDatasetMessage
annotation	documentation Required for Primary Location Add, Update, of a Location Primary Code
source	<pre> <xss:element name="LocationPrimaryInformation"> <xss:annotation> <xss:documentation>Required for Primary Location Add, Update, of a Location Primary Code</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="LocationPrimaryName"/> <xss:element ref="ResponsibleIM"/> <xss:element name="PrimaryLocationNameASCII"> </xss:sequence> </xss:complexType> </xss:element> </pre>

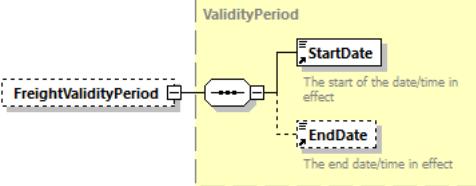
	<pre> <xs:annotation> <xs:documentation>the location name in free text, using ASCII character set</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="LocationValidityPeriod"/> <xs:element ref="ContainerHandlingFlag" minOccurs="0"/> <xs:element ref="HandoverPointFlag" minOccurs="0"/> <xs:sequence <xs:element <xs:element name="FreightValidityPeriod" type="ValidityPeriod" minOccurs="0"/> </xs:sequence> <xs:sequence <xs:element <xs:element name="PassengerValidityPeriod" type="ValidityPeriod" minOccurs="0"/> </xs:sequence> <xs:element ref="GeographicCoordinates" minOccurs="0"/> <xs:element name="NUTS_Code" minOccurs="0"> <xs:annotation> <xs:documentation>Nomenclature for Territorial Units for Statistics. A NUTS code begins with a two-letter code referencing the country, which is identical to the ISO 3166-1 alpha-2 code </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Comments" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>
--	---

element **LocationPrimaryInformation/PrimaryLocationNameASCII**

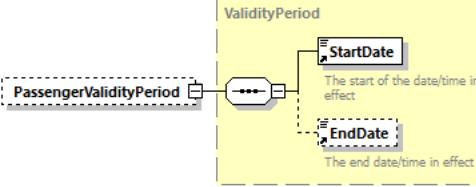
diagram	<p>PrimaryLocationNameASCII</p> <p>the location name in free text, using ASCII character set</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>255</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	255	
Kind	Value	Annotation								
minLength	1									
maxLength	255									

annotation	documentation the location name in free text, using ASCII character set
source	<pre><xs:element name="PrimaryLocationNameASCII"> <xs:annotation> <xs:documentation>the location name in free text, using ASCII character set</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xsmaxLength value="255"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

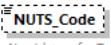
element **LocationPrimaryInformation/FreightValidityPeriod**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	ValidityPeriod
properties	minOcc 0 maxOcc 1 content complex
children	StartDate EndDate
source	<pre><xs:element name="FreightValidityPeriod" type="ValidityPeriod" minOccurs="0"/></pre>

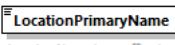
element **LocationPrimaryInformation/PassengerValidityPeriod**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	ValidityPeriod
properties	minOcc 0 maxOcc 1 content complex
children	StartDate EndDate
source	<pre><xs:element name="PassengerValidityPeriod" type="ValidityPeriod" minOccurs="0"/></pre>

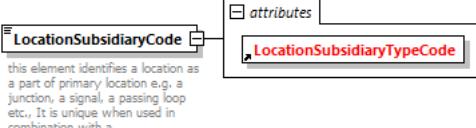
element **LocationPrimaryInformation/NUTS_Code**

diagram										
	Nomenclature for Territorial Units for Statistics. A NUTS code begins with a two-letter code referencing the country, which is identical to the ISO 3166-1 alpha-2 code									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>simple</td></tr> </table>	minOcc	0	maxOcc	1	content	simple			
minOcc	0									
maxOcc	1									
content	simple									
facets	<table> <tr> <td>Kind</td><td>Value</td><td>Annotation</td></tr> <tr> <td>minLength</td><td>1</td><td></td></tr> <tr> <td>maxLength</td><td>50</td><td></td></tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	50	
Kind	Value	Annotation								
minLength	1									
maxLength	50									
annotation	<p>documentation</p> <p>Nomenclature for Territorial Units for Statistics. A NUTS code begins with a two-letter code referencing the country, which is identical to the ISO 3166-1 alpha-2 code</p>									
source	<pre> <xs:element name="NUTS_Code" minOccurs="0"> <xs:annotation> <xs:documentation>Nomenclature for Territorial Units for Statistics. A NUTS code begins with a two-letter code referencing the country, which is identical to the ISO 3166-1 alpha-2 code </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="50"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

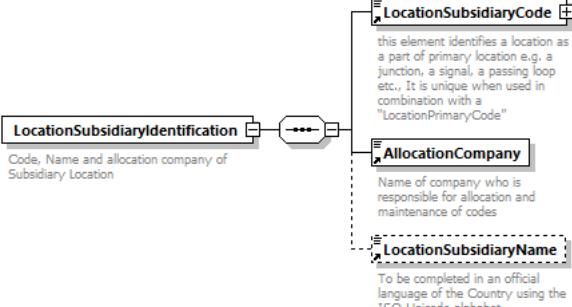
element **LocationPrimaryName**

diagram	
	Location Name in an officiation language of the Country using the ISO Unicode alphabet
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
used by	element LocationPrimaryInformation
annotation	<p>documentation</p> <p>Location Name in an officiation language of the Country using the ISO Unicode alphabet</p>
source	<pre> <xs:element name="LocationPrimaryName"> <xs:annotation> <xs:documentation>Location Name in an officiation language of the Country using the ISO Unicode alphabet</xs:documentation> </xs:annotation> </xs:element></pre>

element **LocationSubsidiaryCode**

diagram													
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	extension of String1-10												
properties	content complex												
used by	elements LocationSubsidiaryIdentification LocationSubsidiaryInformation												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>10</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	10				
Kind	Value	Annotation											
minLength	1												
maxLength	10												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>LocationSubsidiaryTypeCode</td> <td></td> <td>required</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	LocationSubsidiaryTypeCode		required			
Name	Type	Use	Default	Fixed	Annotation								
LocationSubsidiaryTypeCode		required											
annotation	<p>documentation</p> <p>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>												
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> <xs:attribute ref="LocationSubsidiaryTypeCode" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>												

element **LocationSubsidiaryIdentification**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LocationSubsidiaryCode AllocationCompany LocationSubsidiaryName
used by	complexType LocationIdent

annotation	documentation Code, Name and allocation company of Subsidiary Location
source	<pre> <xs:element name="LocationSubsidiaryIdentification"> <xs:annotation> <xs:documentation>Code, Name and allocation company of Subsidiary Location</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="LocationSubsidiaryCode"/> <xs:element ref="AllocationCompany"/> <xs:element ref="LocationSubsidiaryName" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element LocationSubsidiaryInformation

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LocationSubsidiaryCode LocationSubsidiaryName AllocationCompany LocationValidityPeriod Comments GeographicCoordinates
used by	element LocationFileDatasetMessage
annotation	documentation Required for Add, Update of a Location Subsidiary Code (modified to global element)
source	<pre> <xs:element name="LocationSubsidiaryInformation"> <xs:annotation> <xs:documentation>Required for Add, Update of a Location Subsidiary Code (modified to global element)</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="LocationSubsidiaryCode"/> <xs:element ref="LocationSubsidiaryName"/> <xs:element ref="AllocationCompany"/> <xs:element ref="LocationValidityPeriod"/> <xs:element ref="Comments" minOccurs="0"/> <xs:element ref="GeographicCoordinates" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre></xs:sequence> </xs:complexType> </xs:element></pre>
--	---

element **LocationSubsidiaryName**

diagram	<p>To be completed in an official language of the Country using the ISO Unicode alphabet</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	FreeText									
properties	content simple									
used by	elements LocationSubsidiaryIdentification LocationSubsidiaryInformation									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>255</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	255	
Kind	Value	Annotation								
minLength	1									
maxLength	255									
annotation	<p>documentation</p> <p>To be completed in an official language of the Country using the ISO Unicode alphabet</p>									
source	<pre><xs:element name="LocationSubsidiaryName" type="FreeText"> <xs:annotation> <xs:documentation>To be completed in an official language of the Country using the ISO Unicode alphabet</xs:documentation> </xs:annotation> </xs:element></pre>									

element **LocationValidityPeriod**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	ValidityPeriod
properties	content complex
children	StartDate EndDate
used by	elements LocationPrimaryInformation LocationSubsidiaryInformation
source	<pre><xs:element name="LocationValidityPeriod" type="ValidityPeriod"></pre>

element **LocoNumber**

diagram	<p>Identifies the number of the locomotive, usually the European Vehicle Number on 12N. It is currently not restricted only to numeric values.</p>
---------	--

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
used by	element TrainCompositionJourneySection/Locident									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>12</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	4		maxLength	12	
Kind	Value	Annotation								
minLength	4									
maxLength	12									
annotation	<p>documentation</p> <p>Identifies the number of the locomotive, usually the European Vehicle Number on 12N. It is currently not restricted only to numeric values.</p>									
source	<pre> <xs:element name="LocoNumber"> <xs:annotation> <xs:documentation>Identifies the number of the locomotive, usually the European Vehicle Number on 12N. It is currently not restricted only to numeric values.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="12"/> <xs:minLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element LocoTypeNumber

diagram	<pre> classDiagram class TypeCode1 { Value is 9 as it's written in Part 0 of the Appendix 6 of the decision 2007/756 } class TypeCode2 { Type of tractive rolling stock as in Part 8 of the Appendix 6 of the decision 2007/756 } class CountryCode { Numerical country code as in Part 4 of the Appendix 6 of the decision 2007/756 } class LocoTypeNumber { Composite identifier for the loco types and locomotives. First four elements identify the series of the loco, rest can identify the exact individual locomotive } class SeriesNumber { 4 digits representing the type according to the country rules and based on the national vehicle register of the country indicated with the CountryCode } class SerialNumber { Three digits representing the serial number of the traction of the series. Optionally used in Planning to identify the subseries. Composite identifier should be unique with the series number within a country. } class ControlDigit { 1 control digit as usual at the end of the 12 digit UTC identifier. Not used in Planning } LocoTypeNumber --> TypeCode1 LocoTypeNumber --> TypeCode2 LocoTypeNumber --> CountryCode LocoTypeNumber --> SeriesNumber LocoTypeNumber --> SerialNumber LocoTypeNumber --> ControlDigit </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	TypeCode1 TypeCode2 CountryCode SeriesNumber SerialNumber ControlDigit

used by	elements TrainCompositionJourneySection/Locoldent TractionDetails
annotation	documentation Composite identifier for the loco types and locomotives. First four elements identify the series of the loco, rest can identify the exact individual locomotive
source	<pre> <xs:element name="LocoTypeNumber"> <xs:annotation> <xs:documentation>Composite identifier for the loco types and locomotives. First four elements identify the series of the loco, rest can identify the exact individual locomotive</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="TypeCode1"> <xs:annotation> <xs:documentation>Value is 9 as it's written in Part 0 of the Appendix 6 of the decision 2007/756</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:whiteSpace value="replace"/> <xsmaxLength value="1"/> <xs:pattern value="[9]"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="TypeCode2"> <xs:annotation> <xs:documentation>Type of tractive rolling stock as in Part 8 of the Appendix 6 of the decision 2007/756</xs:documentation> </xs:annotation> <!--In PCS the following types are differentiated: Eletric, Diesel, Steam, Hybrid:--> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:whiteSpace value="replace"/> <xsmaxLength value="1"/> <xs:pattern value="[0-9]"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="CountryCode"> <xs:annotation> <xs:documentation>Numerical country code as in Part 4 of the Appendix 6 of the decision 2007/756</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="2"/> <xs:whiteSpace value="replace"/> <xsmaxLength value="2"/> <xs:pattern value="[0-9]{2}"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="SeriesNumber"> </pre>

	<pre> <xs:annotation> <xs:documentation>4 digits representing the type according to the country rules and based on the national vehicle register of the country indicated with the CountryCode</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength> <xs:whiteSpace> <xs:maxLength> <xs:pattern> <xs:value>[0-9]{4}</xs:value> </xs:pattern> </xs:maxLength> </xs:whiteSpace> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="SerialNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Three digits representing the serial number of the traction of the series. Optionally used in Planning to identify the subseries. Composite identifier should be unique with the series number within a country.</xs:documentation> </xs:annotation> <!--Not necessary for Planning. Composite identifier should be unique with the series number inside one country:--> <xs:simpleType> <xs:restriction> <xs:minLength> <xs:whiteSpace> <xs:maxLength> <xs:pattern> <xs:value>[0-9]{3}</xs:value> </xs:pattern> </xs:maxLength> </xs:whiteSpace> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ControlDigit" minOccurs="0"> <xs:annotation> <xs:documentation>1 control digit as usual at the end of the 12 digit UIC identifier. Not used in Planning</xs:documentation> </xs:annotation> <!--Not necessary for Planning. Composite identifier should be unique with the series number inside one country:--> <xs:simpleType> <xs:restriction> <xs:minLength> <xs:whiteSpace> <xs:maxLength> <xs:pattern> <xs:value>[0-9]</xs:value> </xs:pattern> </xs:maxLength> </xs:whiteSpace> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element LocoTypeNumber/TypeCode1

diagram	 TypeCode1 <small>Value is 9 as it's written in Part 0 of the Appendix 6 of the decision 2007/756</small>															
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1															
type	restriction of xs:string															
properties	content simple															
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>1</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>replace</td> <td></td> </tr> <tr> <td>pattern</td> <td>[9]</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	1		whiteSpace	replace		pattern	[9]	
Kind	Value	Annotation														
minLength	1															
maxLength	1															
whiteSpace	replace															
pattern	[9]															
annotation	<p>documentation Value is 9 as it's written in Part 0 of the Appendix 6 of the decision 2007/756</p>															
source	<pre> <xs:element name="TypeCode1"> <xs:annotation> <xs:documentation>Value is 9 as it's written in Part 0 of the Appendix 6 of the decision 2007/756</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:whiteSpace value="replace"/> <xs:maxLength value="1"/> <xs:pattern value="[9]"/> </xs:restriction> </xs:simpleType> </xs:element></pre>															

element LocoTypeNumber/TypeCode2

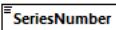
diagram	 TypeCode2 <small>Type of tractive rolling stock as in Part 8 of the Appendix 6 of the decision 2007/756</small>															
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1															
type	restriction of xs:string															
properties	content simple															
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>1</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>replace</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9]</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	1		whiteSpace	replace		pattern	[0-9]	
Kind	Value	Annotation														
minLength	1															
maxLength	1															
whiteSpace	replace															
pattern	[0-9]															
annotation	<p>documentation Type of tractive rolling stock as in Part 8 of the Appendix 6 of the decision 2007/756</p>															
source	<pre> <xs:element name="TypeCode2"> <xs:annotation> <xs:documentation>Type of tractive rolling stock as in Part 8 of the Appendix 6 of the decision 2007/756</xs:documentation> </xs:annotation> <!--In PCS the following types are differentiated: Electric, Diesel, Steam, --></pre>															

	<pre> Hybrid:--> <xs:simpleType> <xs:restriction> <xs:minLength <xs:whiteSpace <xs:maxLength <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:string"> value="1"/> value="replace"/> value="1"/> value="[0-9]"/> </pre>
--	--	--

element **LocoTypeNumber/CountryCode**

diagram	 <p>Numerical country code as in Part 4 of the Appendix 6 of the decision 2007/756</p>															
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1															
type	restriction of xs:string															
properties	content simple															
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>2</td> <td></td> </tr> <tr> <td>maxLength</td> <td>2</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>replace</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9]{2}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	2		maxLength	2		whiteSpace	replace		pattern	[0-9]{2}	
Kind	Value	Annotation														
minLength	2															
maxLength	2															
whiteSpace	replace															
pattern	[0-9]{2}															
annotation	<p>documentation</p> <p>Numerical country code as in Part 4 of the Appendix 6 of the decision 2007/756</p>															
source	<pre> <xs:element name="CountryCode"> <xs:annotation> <xs:documentation>Numerical country code as in Part 4 of the Appendix 6 of the decision 2007/756</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:whiteSpace <xs:maxLength <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> </pre>															

element **LocoTypeNumber/SeriesNumber**

diagram	 <p>4 digits representing the type according to the country rules and based on the national vehicle register of the country indicated with the Country Code</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple

facets	Kind Value Annotation minLength 4 maxLength 4 whiteSpace replace pattern [0-9]{4}
annotation	documentation 4 digits representing the type according to the country rules and based on the national vehicle register of the country indicated with the CountryCode
source	<pre><xs:element name="SeriesNumber"> <xs:annotation> <xs:documentation>4 digits representing the type according to the country rules and based on the national vehicle register of the country indicated with the CountryCode</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="4"/> <xs:whiteSpace value="replace"/> <xs:maxLength value="4"/> <xs:pattern value="[0-9]{4}"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **LocoTypeNumber/SerialNumber**

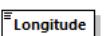
diagram	
	Three digits representing the serial number of the traction of the series. Optionally used in Planning to identify the subseries. Composite identifier should be unique with the series number within a country.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 3 maxLength 3 whiteSpace replace pattern [0-9]{3}
annotation	documentation Three digits representing the serial number of the traction of the series. Optionally used in Planning to identify the subseries. Composite identifier should be unique with the series number within a country.
source	<pre><xs:element name="SerialNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Three digits representing the serial number of the traction of the series. Optionally used in Planning to identify the subseries. Composite identifier should be unique with the series number within a country.</xs:documentation> </xs:annotation> <!--Not necessary for Planning. Composite identifier should be unique with the series number inside one country:--></pre>

	<pre> <xs:simpleType> <xs:restriction> <xs:minLength <xs:whiteSpace <xs:maxLength <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:string"> value="3"/> value="replace"/> value="3"/> value="[0-9]{3}"/> </pre>
--	---	--

element **LocoTypeNumber/ControlDigit**

diagram	 <p>1 control digit as usual at the end of the 12 digit UTC identifier. Not used in Planning</p>															
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1															
type	restriction of xs:string															
properties	minOcc 0 maxOcc 1 content simple															
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>1</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>replace</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9]</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	1		whiteSpace	replace		pattern	[0-9]	
Kind	Value	Annotation														
minLength	1															
maxLength	1															
whiteSpace	replace															
pattern	[0-9]															
annotation	documentation 1 control digit as usual at the end of the 12 digit UIC identifier. Not used in Planning															
source	<pre> <xs:element name="ControlDigit" minOccurs="0"> <xs:annotation> <xs:documentation>1 control digit as usual at the end of the 12 digit UIC identifier. Not used in Planning</xs:documentation> </xs:annotation> <!--Not necessary for Planning. Composite identifier should be unique with the series number inside one country:--> <xs:simpleType> <xs:restriction> <xs:minLength <xs:whiteSpace <xs:maxLength <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> </pre>															

element **Longitude**

diagram	 <p>Longitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:float

properties	content simple
used by	element GeographicCoordinates
annotation	documentation Longitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.
source	<pre><xs:element name="Longitude" type="xs:float"> <xs:annotation> <xs:documentation>Longitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.</xs:documentation> </xs:annotation> </xs:element></pre>

element MaxAxeWeight

diagram	<p>MaxAxeWeight Indicates the maximum design axle weight (to).</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:decimal									
properties	content simple									
used by	RollingStockDataset/DesignDataSet PlannedTrainTechnicalData TrainRunningTechData									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0.1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99.9</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0.1		maxInclusive	99.9	
Kind	Value	Annotation								
minInclusive	0.1									
maxInclusive	99.9									
annotation	documentation Indicates the maximum design axle weight (to).									
source	<pre><xs:element name="MaxAxeWeight"> <xs:annotation> <xs:documentation>Indicates the maximum design axle weight (to).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive value="0.1"/> <xs:maxInclusive value="99.9"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element MaxDesignSpeed

diagram	<p>MaxDesignSpeed Maximum approved speed of the wagon (km/h)</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1						
type	restriction of xs:integer						
properties	content simple						
used by	RollingStockDataset/DesignDataSet						
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1	
Kind	Value	Annotation					
minInclusive	1						

	maxInclusive 999
annotation	documentation Maximum approved speed of the wagon (km/h)
source	<pre> <xs:element name="MaxDesignSpeed"> <xs:annotation> <xs:documentation>Maximum approved speed of the wagon (km/h)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element MaxGrossWeight

diagram	<p>MaxGrossWeight Weight of max Gross Load Weight plus the tare weight of the equipment</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	WeightValueKilo												
properties	content simple												
used by	element RollingStockDataset/DesignDataSet												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999999</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>collapse</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	999999		whiteSpace	collapse	
Kind	Value	Annotation											
minInclusive	0												
maxInclusive	999999												
whiteSpace	collapse												
annotation	documentation Weight of max Gross Load Weight plus the tare weight of the equipment												
source	<pre> <xs:element name="MaxGrossWeight" type="WeightValueKilo"> <xs:annotation> <xs:documentation>Weight of max Gross Load Weight plus the tare weight of the equipment</xs:documentation> </xs:annotation> </xs:element></pre>												

element MaxLengthOfLoad

diagram	<p>MaxLengthOfLoad Measured in mm</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1						
type	restriction of xs:integer						
properties	content simple						
used by	element RollingStockDataset/DesignDataSet						
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1	
Kind	Value	Annotation					
minInclusive	1						

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

element MaxTemp

diagram										
	MaxTemp Maximum Temperature in °Celsius									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:int									
properties	content simple									
used by	RollingStockDataset/DesignDataSet/TemperatureRange									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	99	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	99									
annotation	documentation Maximum Temperature in °Celsius									
source	<pre><xs:element name="MaxTemp"> <xs:annotation> <xs:documentation>Maximum Temperature in °Celsius</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="0"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element Measure

diagram	
	Measure Measure used, either ft or mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:token
properties	content simple
used by	Height Length Width

facets	Kind enumeration Value ft Annotation enumeration mm
annotation	documentation Measure used, either ft or mm
source	<pre><xs:element name="Measure"> <xs:annotation> <xs:documentation>Measure used, either ft or mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration> <xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **MessageDateTimeCreated**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element MessageHeader
annotation	documentation Date and time when the message was created by the legacy system
source	<pre><xs:element name="MessageDateTimeCreated" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and time when the message was created by the legacy system</xs:documentation> </xs:annotation> </xs:element></pre>

element **MessageHeader**

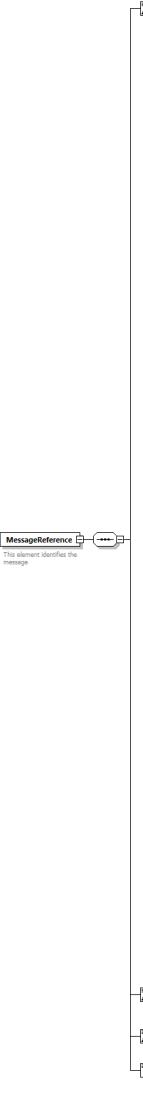
diagram	
---------	--

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
properties	content complex	
children	MessageReference MessageRoutingID SenderReference Sender MessageDateTimeCreated Recipient	
used by	elements AlertMessage ChangeofTrackMessage ConsignmentOrderMessage ErrorMessage LocationFileDatasetMessage PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage ReceiptConfirmationMessage RollingStockDatasetMessage RollingStockDatasetQueryMessage TrainCompositionMessage TrainDelayCauseMessage TrainForecastAtReportingLocationMessage TrainJourneyModificationMessage TrainReadyMessage TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage WagonArrivalNoticeMessage WagonDeliveryNoticeMessage WagonDepartureNoticeMessage WagonDeviationMessage WagonETI ETA Message WagonExceptionMessage WagonExceptionReasonMessage WagonReleaseNoticeMessage WagonYardArrivalMessage WagonYardDepartureMessage	
annotation	documentation Used for all messages	
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="MessageReference"/> <xs:element ref="MessageRoutingID" minOccurs="0"/> <xs:element ref="SenderReference" minOccurs="0"/> <xs:element ref="Sender" /> <xs:element ref="MessageDateTimeCreated" minOccurs="0"/> <xs:element ref="Recipient" /> </xs:sequence> </xs:complexType> </xs:element> </pre>	

element **MessageIdentifier**

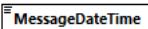
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
used by	element MessageReference
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Identification of the Message
source	<pre> <xs:element name="MessageIdentifier" type="FreeText"> <xs:annotation> <xs:documentation>Identification of the Message</xs:documentation> </xs:annotation> </xs:element> </pre>

element **MessageReference**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageType MessageTypeVersion MessageIdentifier MessageDateTime
used by	elements ErrorMessage/ErrorCauseReference MessageHeader
annotation	documentation This element identifies the message
source	<pre> <xs:element name="MessageReference"> <xs:annotation> <xs:documentation>This element identifies the message</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageType" /> <xs:element ref="MessageTypeVersion" /> <xs:element ref="MessageIdentifier" /> <xs:element name="MessageDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Generated by the common interface</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre>Interface</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
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element **MessageReference/MessageDateTime**

diagram	 Generated by the common Interface
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
annotation	documentation Generated by the common Interface
source	<pre><xs:element name="MessageDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Generated by the common Interface</xs:documentation> </xs:annotation> </xs:element></pre>

element **MessageRoutingID**

diagram	 Additional information used to route the message to the correct receiving application (if needed)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric2-2
properties	content simple
used by	element MessageHeader
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
annotation	documentation Additional information used to route the message to the correct receiving application (if needed)
source	<pre><xs:element name="MessageRoutingID" type="Numeric2-2"> <xs:annotation> <xs:documentation>Additional information used to route the message to the correct receiving application (if needed)</xs:documentation> </xs:annotation> </xs:element></pre>

element **MessageType**

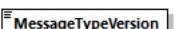
diagram	<pre> MessageType To indicate the message type transmitted or referred to. The following list was agreed within the sector: 1000 ConsignmentOrderMessage 2001 PathCancelledMessage 2002 PathConfirmedMessage 2003 PathDetailsMessage 2006 PathDetailsRefusedMessage 2005 PathNotAvailableMessage 2006 PathRequestMessage 2007 ReceiptConfirmationMessage -- sector messages (Planning) -- 2500 PathCoordinationMessage 2501 PathSectionNotificationMessa g -- sector message end -- 3003 TrainCompositionMessage 3006 TrainReadyMessage 4001 TrainDelayCauseMessage 4002 TrainRunningForecastMessage 4005 TrainRunningInformationMess age 4006 TrainRunningInterruptionMess age -- sector message (Operations -- 4501 PassengerTrainCompositionPr ocessMessage 4502 RollingStockRestrictionMessag e 4504 ChangeOfTrackMessage 4505 TrainRouteModificationMes sage -- sector message end -- 5001 AlertMessage 5002 WagonArrivalNoticeMessage 5003 WagonDeliveryNoticeMessage 5 5004 WagonDepartureNoticeMessa ge 5006 WagonETL_ETA_Messag e 5007 WagonExceptionMessage 5008 WagonExceptionReasonMessa g -- sector message (Wagon interchange -- 5010 WagonInterchangeNoticeMes sage 5012 WagonReceivedAtInterchang eMessage 5013 WagonRefusedAtInterchange Message -- sector message end -- 5014 WagonReleaseNoticeMessage 5015 WagonYardArrivalMessage 5016 WagonYardDepartureMessag e 6002 LocationFileDatasetMessage 6003 RollingStockDatasetMessage --sector (RU-RU) -- 5500 WagonPerformanceMessage -- sector end -- 6004 RollingStockDatasetQueryMe ssage -- sector (TrainID) begin -- 8500 UpdateLinkMessage 8502 ObjectInfoMessage -- sector end -- 9000 ErrorMessage </pre>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
used by	element MessageReference									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	4	
Kind	Value	Annotation								
minLength	1									
maxLength	4									
annotation	<p>documentation</p> <p>To indicate the message type transmitted or referred to. The following list was agreed within the sector:</p> <p>1000 ConsignmentOrderMessage</p> <p>2001 PathCancelledMessage</p> <p>2002 PathConfirmedMessage</p> <p>2003 PathDetailsMessage</p> <p>2004 PathDetailsRefusedMessage</p> <p>2005 PathNotAvailableMessage</p> <p>2006 PathRequestMessage</p> <p>2007 ReceiptConfirmationMessage</p>									

	--	sector	messages	(Planning)	--
	2500			PathCoordinationMessage	
	2501			PathSectionNotificationMessage	
	--	sector	message	end	--
	3003			TrainCompositionMessage	
	3006			TrainReadyMessage	
	4001			TrainDelayCauseMessage	
	4004			TrainRunningForecastMessage	
	4005			TrainRunningInformationMessage	
	4006			TrainRunningInterruptionMessage	
	--	sector	message	(Operations)	--
	4500			PassengerTrainCompositionProcessMessage	
	4501			RollingStockRestrictionMessage	
	4504			ChangeOfTrackMessage	
	4505			TrainJourneyModificationMessage	
	--	sector	message	end	--
	5001			AlertMessage	
	5002			WagonArrivalNoticeMessage	
	5003			WagonDeliveryNoticeMessage	
	5004			WagonDepartureNoticeMessage	
	5006			WagonETI_ETA_Message	
	5007			WagonExceptionMessage	
	5008			WagonExceptionReasonMessage	
	--	sector	message	(Wagon interchange)	--
	5009			WagonInterchangeNoticeMessage	
	5012			WagonReceivedAtInterchangeMessage	
	5013			WagonRefusedAtInterchangeMessage	
	--	sector	message	end	--
	5014			WagonReleaseNoticeMessage	
	5015			WagonYardArrivalMessage	
	5016			WagonYardDepartureMessage	
	6002			LocationFileDatasetMessage	
	6003			RollingStockDatasetMessage	
	--sector		(RU-RU)		---
	5500			WagonPerformanceMessage	
	--		sector	end	---
	6004			RollingStockDatasetQueryMessage	
	--	sector	(TrainID)	begin	--
	8500			UpdateLinkMessage	
	8501			ObjectInfoMessage	
	--		sector	end	--
	9000			ErrorMessage	
source	<pre> <xs:element name="MessageType"> <xs:annotation> <xs:documentation>To indicate the message type transmitted or referred to. The following list was agreed within the sector: ConsignmentOrderMessage</xs:documentation> </xs:annotation> </xs:element> </pre>				

2001				PathCanceledMessage
2002				PathConfirmedMessage
2003				PathDetailsMessage
2004				PathDetailsRefusedMessage
2005				PathNotAvailableMessage
2006				PathRequestMessage
2007				ReceiptConfirmationMessage
--	sector	messages	(Planning)	--
2500			PathCoordinationMessage	
2501			PathSectionNotificationMessage	
--	sector	message	end	--
3003			TrainCompositionMessage	
3006			TrainReadyMessage	
4001			TrainDelayCauseMessage	
4004			TrainRunningForecastMessage	
4005			TrainRunningInformationMessage	
4006			TrainRunningInterruptionMessage	
--	sector	message	(Operations)	--
4500			PassengerTrainCompositionProcessMessage	
4501			RollingStockRestrictionMessage	
4504			ChangeOfTrackMessage	
4505			TrainJourneyModificationMessage	
--	sector	message	end	--
5001			AlertMessage	
5002			WagonArrivalNoticeMessage	
5003			WagonDeliveryNoticeMessage	
5004			WagonDepartureNoticeMessage	
5006			WagonETI_ETA_Message	
5007			WagonExceptionMessage	
5008			WagonExceptionReasonMessage	
--	sector	message	(Wagon interchange)	--
5009			WagonInterchangeNoticeMessage	
5012			WagonReceivedAtInterchangeMessage	
5013			WagonRefusedAtInterchangeMessage	
--	sector	message	end	--
5014			WagonReleaseNoticeMessage	
5015			WagonYardArrivalMessage	
5016			WagonYardDepartureMessage	
6002			LocationFileDatasetMessage	
6003			RollingStockDatasetMessage	
--sector			(RU-RU)	---
5500			WagonPerformanceMessage	
--		sector	end	--
6004			RollingStockDatasetQueryMessage	
--	sector	(TrainID)	begin	--

	<pre> 8500 8501 -- sector end 9000 --</pre> <p style="text-align: right;">UpdateLinkMessage ObjectInfoMessage</p> <p style="text-align: right;">ErrorMessage</p> <pre> </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element></pre>
--	--

element **MessageTypeVersion**

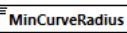
diagram	 MessageTypeVersion Version of the Message Type
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple
used by	element MessageReference
facets	Kind Value Annotation maxLength 25
annotation	documentation Version of the Message Type
source	<pre> <xs:element name="MessageTypeVersion"> <xs:annotation> <xs:documentation>Version of the Message Type</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element></pre>

element **MinBrakedWeightPercent**

diagram	 MinBrakedWeightPercent Minimum percentage of braking claimed by IM for safety reasons.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
used by	element PlannedTrainTechnicalData

facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Minimum percentage of braking claimed by IM for safety reasons.
source	<pre><xs:element name="MinBrakedWeightPercent"> <xs:annotation> <xs:documentation>Minimum percentage of braking claimed by IM for safety reasons.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive>1</xs:minInclusive> <xs:maxInclusive>999</xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element></pre>

element MinCurveRadius

diagram	 MinCurveRadius Measured in Metres
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
used by	element RollingStockDataset/DesignDataSet
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Measured in Metres
source	<pre><xs:element name="MinCurveRadius"> <xs:annotation> <xs:documentation>Measured in Metres</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive>1</xs:minInclusive> <xs:maxInclusive>999</xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element></pre>

element MinTemp

diagram	 MinTemp Minimum temperature in ° Celsius
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:int

properties	content simple
used by	element RollingStockDataset/DesignDataSet/TemperatureRange
facets	Kind Value Annotation minInclusive -99 maxInclusive 0
annotation	documentation Minimum temperature in ° Celsius
source	<pre> <xs:element name="MinTemp"> <xs:annotation> <xs:documentation>Minimum temperature in ° Celsius</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="-99"/> <xs:maxInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **MinVerticalRadiusYardHump**

diagram	<p>MinVerticalRadiusYardHump</p> <p>Minimum allowed vertical radius over yard humps. Measured in meters.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
used by	element RollingStockDataset/DesignDataSet
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Minimum allowed vertical radius over yard humps. Measured in meters.
source	<pre> <xs:element name="MinVerticalRadiusYardHump"> <xs:annotation> <xs:documentation>Minimum allowed vertical radius over yard humps. Measured in meters.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **ModificationReason**

diagram	<p>ModificationReason</p> <p>Identifies the reason for the train journey being modified</p>
---------	---

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	DelayCode
used by	element TrainJourneyModificationMessage
annotation	documentation Identifies the reason for the train journey being modified
source	<pre><xs:element name="ModificationReason" type="DelayCode"> <xs:annotation> <xs:documentation>Identifies the reason for the train journey being modified</xs:documentation> </xs:annotation> </xs:element></pre>

element ModificationStatusIndicator

diagram										
	This element shows if the location has been added or deleted in the modified train journey									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	content simple									
used by	element LocationModified									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	99	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	99									
annotation	documentation This element shows if the location has been added or deleted in the modified train journey									
source	<pre><xs:element name="ModificationStatusIndicator"> <xs:annotation> <xs:documentation>This element shows if the location has been added or deleted in the modified train journey</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive value="1"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element Name

diagram	
	Generic Name in Free Text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
used by	elements AdministrativeContactInformation Customer RollingRoadUnit/RollingRoadUnitDetails/Haulier NetworkSpecificParameter

facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Generic Name in Free Text
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 NetworkProjectedLocation

diagram	<p>The diagram illustrates the structure of the <code>NetworkProjectedLocation</code> element. It is represented by a rectangle with three outgoing arrows pointing to three separate boxes: <code>NextLocation</code>, <code>ProportionOfDistanceBetweenLocations</code>, and <code>DistancePrecision</code>. Each box contains a brief description of its purpose.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	NextLocation ProportionOfDistanceBetweenLocations DistancePrecision
used by	element GeoLocalisationOnNetwork
annotation	documentation Projection of a geographical position on a network line.
source	<pre><xs:element name="NetworkProjectedLocation"> <xs:annotation> <xs:documentation>Projection of a geographical position on a network line.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="NextLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>Next location forecasted to be encountered by the train. If this element isn't present, the GNSS position is considered to be within the "boundaries" of the location included in the LocationReport</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ProportionOfDistanceBetweenLocations" type="Percentage"> <xs:annotation> <xs:documentation>Percentage of the distance between the reporting location, and the next location, on a scale from 0 to 100. </xs:documentation> </xs:annotation> </xs:element> <xs:element name="DistancePrecision" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Precision of the position along the track. Expressed in metres.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> <xs:annotation> <xs:documentation>Precision of the position along the track. Expressed in metres.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **NetworkProjectedLocation/NextLocation**

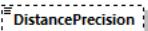
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	<p>documentation</p> <p>Next location forecasted to be encountered by the train. If this element isn't present, the GNSS position is considered to be within the "boundaries" of the location included in the LocationReport</p>
source	<pre> <xs:element name="NextLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>Next location forecasted to be encountered by the train. If this element isn't present, the GNSS position is considered to be within the "boundaries" of the location included in the LocationReport</xs:documentation> </xs:annotation> </xs:element> </pre>

element **NetworkProjectedLocation/ProportionOfDistanceBetweenLocations**

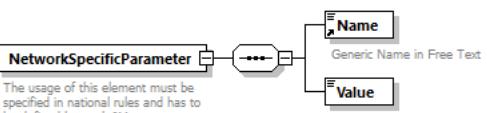
diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	Percentage									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>100</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	100	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	100									

annotation	documentation Percentage of the distance between the reporting location, and the next location, on a scale from 0 to 100.
source	<pre><xs:element name="ProportionOfDistanceBetweenLocations" type="Percentage"> <xs:annotation> <xs:documentation>Percentage of the distance between the reporting location, and the next location, on a scale from 0 to 100. </xs:documentation> </xs:annotation> </xs:element></pre>

element NetworkProjectedLocation/DistancePrecision

diagram	 <p>Precision of the position along the track. Expressed in metres.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:float
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Precision of the position along the track. Expressed in metres.
source	<pre><xs:element name="DistancePrecision" type="xs:float" minOccurs="0"> <xs:annotation> <xs:documentation>Precision of the position along the track. Expressed in metres.</xs:documentation> </xs:annotation> </xs:element></pre>

element NetworkSpecificParameter

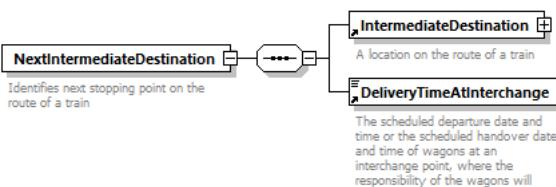
diagram	 <p>The usage of this element must be specified in national rules and has to be defined by each IM</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Name Value
used by	AffectedSection PathDetailsMessage PathRequestMessage PlannedJourneyLocation
annotation	documentation The usage of this element must be specified in national rules and has to be defined by each IM
source	<pre><xs:element name="NetworkSpecificParameter"> <xs:annotation> <xs:documentation>The usage of this element must be specified in national rules and has to be defined by each IM</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Name"/> <xs:element name="Value" type="FreeText"/> </xs:sequence> </xs:complexType> </xs:element></pre>

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

element **NetworkSpecificParameter/Value**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
used by	elements Height Length Width
facets	Kind Value Annotation minLength 1 maxLength 255
source	<code><xs:element name="Value" type="FreeText"/></code>

element **NextIntermediateDestination**

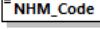
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	IntermediateDestination DeliveryTimeAtInterchange
used by	element WIMO Dataset/ConsignmentLevelData
annotation	documentation Identifies next stopping point on the route of a train
source	<pre> <xs:element name="NextIntermediateDestination"> <xs:annotation> <xs:documentation>Identifies next stopping point on the route of a train</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="IntermediateDestination"/> <xs:element ref="DeliveryTimeAtInterchange"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **NextResponsibleRU**

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

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	CompanyCode		
properties	content simple		
used by	elements WIMO Dataset/ConsignmentLevelData ConsignmentOrderMessage/COMS/COM/DeliveryPoint		
facets	Kind	Value	Annotation
	minLength	4	
	maxLength	4	
	pattern	[0-9A-Z]{4}	
annotation	documentation The RU who is responsible for the train operation on the next journey section.		
source	<pre><xs:element name="NextResponsibleRU" type="CompanyCode"> <xs:annotation> <xs:documentation>The RU who is responsible for the train operation on the next journey section.</xs:documentation> </xs:annotation> </xs:element></pre>		

element NHM_Code

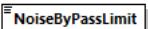
diagram	 NHM_Code NHM code of the goods
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	NHMCodeType
properties	content simple
used by	elements Goods GoodsInWagon/GoodsInContainer GoodsInWagon
facets	Kind Value Annotation
	length 6
	pattern \d*[1-9]\d*
annotation	documentation NHM code of the goods
source	<pre><xs:element name="NHM_Code" type="NHMCodeType"> <xs:annotation> <xs:documentation>NHM code of the goods</xs:documentation> </xs:annotation> </xs:element></pre>

element Noise

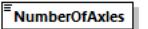
diagram	 Noise Noise level at stand still in decibels
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
facets	Kind Value Annotation
	minInclusive 1
	maxInclusive 999

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

element NoiseByPassLimit

diagram	 Noise limit on reference track
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Noise limit on reference track
source	<pre><xs:element name="NoiseByPassLimit"> <xs:annotation> <xs:documentation>Noise limit on reference track</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element NumberOfAxles

diagram	 The sum of number of axles of all wagons and all traction units
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
used by	element TrainRunningTechData
facets	Kind Value Annotation minInclusive 0000

	maxInclusive 9999
annotation	documentation The sum of number of axles of all wagons and all traction units
source	<pre><xs:element name="NumberOfAxles"> <xs:annotation> <xs:documentation>The sum of number of axles of all wagons and all traction units</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0000"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **NumberOfBogies**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:int									
properties	content simple									
used by	element RollingStockDataset/DesignDataSet									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>9</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	9	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	9									
source	<pre><xs:element name="NumberOfBogies"> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> <xs:maxInclusive value="9"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element **NumberOfVehicles**

diagram	 <small>The sum of number of wagons and number of traction units</small>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	content simple									
used by	element TrainRunningTechData									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0000</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>9999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0000		maxInclusive	9999	
Kind	Value	Annotation								
minInclusive	0000									
maxInclusive	9999									

annotation	documentation The sum of number of wagons and number of traction units
source	<pre> <xs:element name="NumberOfVehicles"> <xs:annotation> <xs:documentation>The sum of number of wagons and number of traction units</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0000"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **ObjectType**

diagram	 <p>Provides a possibility for differentiation between the objects: Train (TR), Route (RO), Path (PA), Case Reference (CR) and Path Request (PR)</p>																											
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																											
type	restriction of xs:string																											
properties	content simple																											
used by	complexTypes CompositIdentifierOperationalType CompositIdentifierPlannedType																											
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>2</td> <td></td> </tr> <tr> <td>maxLength</td> <td>2</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{2}</td> <td></td> </tr> <tr> <td>enumeration</td> <td>TR</td> <td></td> </tr> <tr> <td>enumeration</td> <td>RO</td> <td></td> </tr> <tr> <td>enumeration</td> <td>PA</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CR</td> <td></td> </tr> <tr> <td>enumeration</td> <td>PR</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	2		maxLength	2		pattern	[0-9A-Z]{2}		enumeration	TR		enumeration	RO		enumeration	PA		enumeration	CR		enumeration	PR	
Kind	Value	Annotation																										
minLength	2																											
maxLength	2																											
pattern	[0-9A-Z]{2}																											
enumeration	TR																											
enumeration	RO																											
enumeration	PA																											
enumeration	CR																											
enumeration	PR																											
annotation	<p>documentation</p> <p>Provides a possibility for differentiation between the objects: Train (TR), Route (RO), Path (PA), Case Reference (CR) and Path Request (PR)</p>																											
source	<pre> <xs:element name="ObjectType"> <xs:annotation> <xs:documentation>Provides a possibility for differentiation between the objects: Train (TR), Route (RO), Path (PA), Case Reference (CR) and Path Request (PR)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="2"/> <xsmaxLength value="2"/> <xs:pattern value="[0-9A-Z]{2}"/> <xs:enumeration value="TR"/> <xs:enumeration value="RO"/> <xs:enumeration value="PA"/> <xs:enumeration value="CR"/> </xs:restriction> </xs:simpleType> </xs:element></pre>																											

	<pre> <xs:enumeration </xs:restriction> </xs:simpleType> </xs:element> </pre>	<code>value="PR"/></code>
--	--	------------------------------

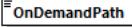
element Offset

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:integer
properties	content simple
used by	element TimingAtLocation/Timing
source	<code><xs:element name="Offset" type="xs:integer"/></code>

element OffsetToReference

diagram	 The OffsetToReference (OTR) is the shift of the days between Planned Calendar of the related object (route, path request or path) to the days in Reference Calendar. The shift is mentioned in days. OTR value is set to zero when there is no gap between Planned Calendar and Reference Calendar, OTR value is positive if Planned Calendar later than Reference Calendar and negative if Planned Calendar earlier than Reference Calendar.>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:integer
properties	content simple
used by	element PlannedCalendar
annotation	documentation The OffsetToReference (OTR) is the shift of the days between Planned Calendar of the related object (route, path request or path) to the days in Reference Calendar. The shift is mentioned in days. OTR value is set to zero when there is no gap between Planned Calendar and Reference Calendar, OTR value is positive if Planned Calendar later than Reference Calendar and negative if Planned Calendar earlier than Reference Calendar.>
source	<code><xs:element name="OffsetToReference" type="xs:integer"></code> <code> <xs:annotation></code> <code> <xs:documentation> The OffsetToReference (OTR) is the shift of the days between Planned Calendar of the related object (route, path request or path) to the days in Reference Calendar. The shift is mentioned in days. OTR value is set to zero when there is no gap between Planned Calendar and Reference Calendar, OTR value is positive if Planned Calendar later than Reference Calendar and negative if Planned Calendar earlier than Reference Calendar.</xs:documentation></code> <code> </xs:annotation></code> <code></xs:element></code>

element **OnDemandPath**

diagram	 OnDemandPath For the use of on demand or optional path (has to be either activated or deactivated depending to network rules)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element PlannedJourneyLocation
annotation	documentation For the use of on demand or optional path (has to be either activated or deactivated depending to network rules)
source	<pre><xs:element name="OnDemandPath" type="xs:boolean"> <xs:annotation> <xs:documentation>For the use of on demand or optional path (has to be either activated or deactivated depending to network rules)</xs:documentation> </xs:annotation> </xs:element></pre>

element **OperationalTrainNumber**

diagram	 OperationalTrainNumber Identifies the train for traffic management purposes by the Dispatcher, GSMD services, etc.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	String1-8
properties	content simple
used by	elements OperationalTrainNumberIdentifier PlannedJourneyLocation
facets	Kind Value Annotation minLength 1 maxLength 8
annotation	documentation Identifies the train for traffic management purposes by the Dispatcher, GSMD services, etc.
source	<pre><xs:element name="OperationalTrainNumber" type="String1-8"> <xs:annotation> <xs:documentation>Identifies the train for traffic management purposes by the Dispatcher, GSMD services, etc.</xs:documentation> </xs:annotation> </xs:element></pre>

element **OperationalTrainNumberIdentifier**

diagram	<pre> classDiagram class OperationalTrainNumberIdentifier { OperationalTrainNumber ScheduledTimeAtHandover ScheduledDateTimeAtTransfer } OperationalTrainNumber "Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc." ScheduledTimeAtHandover "The scheduled date and time of departure or entrance at the border between two different IMs" ScheduledDateTimeAtTransfer "The scheduled date and time of arrival or exit at the border between two different IMs" </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	OperationalTrainNumber ScheduledTimeAtHandover ScheduledDateTimeAtTransfer
used by	elements AffectedSection ChangeofTrackMessage ReferenceOTN TrainAtLocation TrainCompositionMessage TrainDelayCauseMessage TrainJourneyModificationMessage TrainReadyMessage TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage
source	<pre> <xs:element name="OperationalTrainNumberIdentifier"> <xs:complexType> <xs:sequence> <xs:element ref="OperationalTrainNumber"/> <xs:element ref="ScheduledTimeAtHandover" minOccurs="0"/> <xs:element ref="ScheduledDateTimeAtTransfer" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **OriginCountry**

diagram	<pre> classDiagram class OriginCountry { Code of origin country of the UTI. } </pre>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	restriction of CountryIdentISO												
properties	content simple												
used by	ITU Details Wagons/WagonDetails												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>2</td> <td></td> </tr> <tr> <td>maxLength</td> <td>2</td> <td></td> </tr> <tr> <td>pattern</td> <td>[A-Z][A-Z]</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	2		maxLength	2		pattern	[A-Z][A-Z]	
Kind	Value	Annotation											
minLength	2												
maxLength	2												
pattern	[A-Z][A-Z]												
annotation	<p>documentation</p> <p>Code of origin country of the UTI.</p> <p>documentation</p> <p>CODE: ISO-3166-2</p>												
source	<pre> <xs:element name="OriginCountry"> <xs:annotation> <xs:documentation>Code of origin country of the UTI.</xs:documentation> <xs:documentation>CODE: ISO-3166-2</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="CountryIdentISO"> </xs:restriction> </xs:simpleType> </xs:element> </pre>												

	<pre> <xs:pattern value="[A-Z][A-Z]"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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element **OverhaulValidityPeriod**

diagram	 OverhaulValidityPeriod Validity period of last overhaul in years as marked on the wagon									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	content simple									
used by	element RollingStockDataset/DesignDataSet									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxExclusive</td> <td>20</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxExclusive	20	
Kind	Value	Annotation								
minInclusive	1									
maxExclusive	20									
annotation	documentation Validity period of last overhaul in years as marked on the wagon									
source	<pre> <xs:element name="OverhaulValidityPeriod"> <xs:annotation> <xs:documentation>Validity period of last overhaul in years as marked on the wagon</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive base="xs:integer"> value="1"/> <xs:maxExclusive base="xs:integer"> value="20"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element **ParkingBrakeForce**

diagram	 ParkingBrakeForce Indicates the parking brake force of the hand brake (kN). When the parking brake force is marked on the wagon the information must be provided in the RSRD message.									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:decimal									
properties	content simple									
used by	elements HandBrake WagonTechData									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>totalDigits</td> <td>5</td> <td></td> </tr> <tr> <td>fractionDigits</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	totalDigits	5		fractionDigits	1	
Kind	Value	Annotation								
totalDigits	5									
fractionDigits	1									
annotation	documentation Indicates the parking brake force of the hand brake (kN). When the parking brake force is marked on the wagon the information must be provided in the RSRD message.									

source	<pre> <xs:element name="ParkingBrakeForce"> <xs:annotation> <xs:documentation>Indicates the parking brake force of the hand brake (kN). When the parking brake force is marked on the wagon the information must be provided in the RSRD message.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="5"/> <xs:fractionDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>
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element PassengerFlag

diagram	<p>Identifies that the Entity or Location is for Passenger Activity</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element LocationPrimaryInformation
annotation	documentation Identifies that the Entity or Location is for Passenger Activity
source	<pre> <xs:element name="PassengerFlag" type="xs:boolean"> <xs:annotation> <xs:documentation>Identifies that the Entity or Location is for Passenger Activity</xs:documentation> </xs:annotation> </xs:element></pre>

element **PathCanceledMessage**

diagram	<pre> classDiagram class MessageHeader { Used for all messages } class AdministrativeContactInformation { Used to define administrative contact information } class Identifiers class ReferenceTrainIDSubCalendar { ReferenceTrainIDSubCalendar contains days of Reference Train (TRID-v00) for days provided in PlannedCalendar. The days in PlannedCalendar may shift depending on value in element OffsetToReference, i.e. the following condition must always be true : ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalendar } class MessageStatus class TypeOfRequest { Enumeration for 3 different types of the processes in the planning: Study (1), Request (2), Modification (3) } class ProcessType class TypeOfInformation { Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; cancellation notification; confirmation of utilisation confirmation } class CoordinatingIM { The coordinating (leading) IM coordinates the agreement process for the IM's. It is the primary point of contact for the RU's. Certain critical stages in the international timetabling process are initiated by the coordinating IM, e.g. transfer the path request to path elaboration to involved IMs in order to prepare the offer with the partner-IMs. } class LeadRU { Lead Railway Undertaking } class AffectedSection { 1..x Indication for the recipient if not the endpoint is affected, e.g. in case of a partial cancellation for the last part of the path } class FreeTextField { 0..x Free Text } PathCanceledMessage < -- MessageHeader PathCanceledMessage < -- AdministrativeContactInformation PathCanceledMessage < -- Identifiers PathCanceledMessage < -- ReferenceTrainIDSubCalendar PathCanceledMessage < -- MessageStatus PathCanceledMessage < -- TypeOfRequest PathCanceledMessage < -- ProcessType PathCanceledMessage < -- TypeOfInformation PathCanceledMessage < -- CoordinatingIM PathCanceledMessage < -- LeadRU PathCanceledMessage < -- AffectedSection PathCanceledMessage < -- FreeTextField </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader AdministrativeContactInformation Identifiers ReferenceTrainIDSubCalendar MessageStatus TypeOfRequest ProcessType TypeOfInformation CoordinatingIM LeadRU AffectedSection FreeTextField
annotation	<p>documentation</p> <p>Path Canceled message according to Short Term Path Request specification (WG5)</p>
source	<pre> <xsd:element name="PathCanceledMessage"> <xsd:annotation> <xsd:documentation>Path Canceled message according to Short Term Path Request specification (WG5)</xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:sequence> <xsd:element ref="MessageHeader"/> <xsd:element ref="AdministrativeContactInformation"/> <xsd:element ref="Identifiers" minOccurs="0"/> <xsd:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/> <xsd:element ref="MessageStatus"/> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>

	<pre> <xs:element ref="TypeOfRequest" minOccurs="0"/> <xs:element ref="ProcessType" minOccurs="0"/> <xs:element ref="TypeOfInformation" minOccurs="0"/> <xs:element ref="CoordinatingIM" minOccurs="0"/> <xs:element ref="LeadRU" minOccurs="0"/> <xs:element ref="AffectedSection" maxOccurs="unbounded"/> <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element **PathConfirmedMessage**

diagram	<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>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader AdministrativeContactInformation Identifiers ReferenceTrainIDSubCalendar MessageStatus TypeOfRequest ProcessType TypeOfInformation CoordinatingIM LeadRU AffectedSection
annotation	<p>documentation</p> <p>This message is used by the RU to confirm the proposed path of the IM (PathDetailsMessage) in response to an RUs</p>

	Original Request
source	<pre> <xs:element name="PathConfirmedMessage"> <xs:annotation> <xs:documentation>This message is used by the RU to confirm the proposed path of the IM (PathDetailsMessage) in response to an RUs Original Request</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="AdministrativeContactInformation"/> <xs:element ref="Identifiers" minOccurs="0"/> <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/> <xs:element ref="MessageStatus"/> <xs:element ref="TypeOfRequest" minOccurs="0"/> <xs:element ref="ProcessType" minOccurs="0"/> <xs:element ref="TypeOfInformation" minOccurs="0"/> <xs:element ref="CoordinatingIM" minOccurs="0"/> <xs:element ref="LeadRU" minOccurs="0"/> <xs:element ref="AffectedSection" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **PathDetailsMessage**

diagram	<pre> classDiagram class MessageHeader { Used for all messages } class AdministrativeContactInformation { Used to define administrative contact information } class Identifiers { ... } class ReferenceTrainIDSubCalendar { ... ReferenceTrainIDSubCalendar contains all days of Reference Train (TRID/00) for days provided in PlannedCalendar. The day offset, relative to the day of the week, shifted depending on value in element OffsetToReference, is the following condition must always be true : ReferenceTrainIDSubCalendar > OffsetToReference > PlannedCalendar } class MessageStatus { ... } class TypeOfRUHarmonization { Type of RU harmonization: Full, Part, None. } class TypeOfIMHarmonization { Enumeration of Type of IM harmonization: Full, Part } class CoordinatingIM { The coordinating (leading) IM coordinates the agreement process for the IM's, defining the entry point of contact for the RU's. Certain critical stages in the international timetabling process are managed by the leading IM, such as transfer the path request to path elaboration to involved IMs in order to prepare the offer with other IMs. } class LeadRU { Lead Railway Undertaking } class TypeOfRequest { 1 Path study 2 Path request 3 Path Modification } class ProcessType class TypeOfInformation { Enumeration indicating to which process step / process type in the planning cycle the message belongs (path study; pre-arranged/catalogue path; (draft) offer; final offer; booking; deleted; utilisation notification; cancellation of utilisation confirmation) } class PathInformation { ... } class NetworkSpecificParameter { ... 0..0x A structured section for specific mandatory attributes for the network. This has to be checked by the applications that network section is contained in journey location only if journey location belongs to PathInformation element } class FreeTextField { ... 0..0x Free Text } PathDetailsMessage < --> MessageHeader PathDetailsMessage < --> AdministrativeContactInformation PathDetailsMessage < --> Identifiers PathDetailsMessage < --> ReferenceTrainIDSubCalendar PathDetailsMessage < --> MessageStatus PathDetailsMessage < --> TypeOfRUHarmonization PathDetailsMessage < --> TypeOfIMHarmonization PathDetailsMessage < --> CoordinatingIM PathDetailsMessage < --> LeadRU PathDetailsMessage < --> TypeOfRequest PathDetailsMessage < --> ProcessType PathDetailsMessage < --> TypeOfInformation PathDetailsMessage < --> PathInformation PathDetailsMessage < --> NetworkSpecificParameter PathDetailsMessage < --> FreeTextField </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader AdministrativeContactInformation Identifiers ReferenceTrainIDSubCalendar MessageStatus TypeOfRUHarmonization TypeOfIMHarmonization CoordinatingIM LeadRU TypeOfRequest ProcessType TypeOfInformation PathInformation NetworkSpecificParameter FreeTextField
annotation	documentation This message is used by the IM to the RU confirming details of the path in response to an RU request
source	<pre> <xss:element name="PathDetailsMessage"> <xss:annotation> <xss:documentation>This message is used by the IM to the RU confirming details of the path in response to an RU request</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="MessageHeader"/> <xss:element ref="AdministrativeContactInformation"/> <xss:element ref="Identifiers" minOccurs="0"/> <xss:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/> <xss:element ref="MessageStatus"/> </xss:sequence> </xss:complexType> </xss:element> </pre>

	<pre> <xs:element ref="TypeOfRUHarmonization" minOccurs="0"/> <xs:element ref="TypeOfIMHarmonization" minOccurs="0"/> <xs:element ref="CoordinatingIM" minOccurs="0"/> <xs:element ref="LeadRU" minOccurs="0"/> <xs:element ref="TypeOfRequest"> <xs:annotation> <xs:documentation>1 Path 2 Path 3 Path </xs:documentation> </xs:annotation> </xs:element> <xs:element ref="ProcessType" minOccurs="0"/> <xs:element ref="TypeOfInformation" /> <xs:element ref="PathInformation" /> <xs:element ref="NetworkSpecificParameter" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>A structured section for specific mandatory attributes for that network. This has to be checked by the applications that network section is contained in journey location only if journey location belongs to PathInformation </xs:documentation> </xs:annotation> </xs:element> <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>	study request Modification
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element **PathDetailsRefusedMessage**

diagram	<pre> classDiagram class MessageHeader { Used for all messages } class AdministrativeContactInformation { Used to define administrative contact information } class Identifiers { ... } class ReferenceTrainIDSubCalendar { ReferenceTrainIDSubCalendar contains all days of Reference Train (TRIDv00) days provided in PlannedCalendar. The days in PlannedCalendar may include days from the element OffsetOfReference, ie the following condition must always be true : ReferenceTrainIDSubCalendar + OffsetOfReference = PlannedCalendar } class MessageStatus class TypeOfRequest { Enumeration for 3 different basic types of the processes in the type of Study (1), Request (2), Modification (3) } class ProcessType class TypeOfInformation { Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; draft offer; final offer; utilisation notification; confirmation of utilisation confirmation } class CoordinatingIM { The coordinating (leading) IM coordinates the movement process for the IM's. It is the primary point of contact for the RU's. Certain critical stages in the movement timeline of the process are managed by the leading IM, such as transfer the path request to path elaboration to involved IMs in order to prepare the offer with the partnerIMs. } class LeadRU { Lead Railway Undertaking } class RevisedRequest { Indication for the IM whether wait because the RU will send a revised offer or to make an alternative offer } class AffectedSection { 0..x Indication for the recipient if not the entire path is affected, e.g. in case of a partial cancellation for the last part of the path } class FreeTextFields { 0..x Free Text } PathDetailsRefusedMessage < -- MessageHeader PathDetailsRefusedMessage < -- AdministrativeContactInformation PathDetailsRefusedMessage < -- Identifiers PathDetailsRefusedMessage < -- ReferenceTrainIDSubCalendar PathDetailsRefusedMessage < -- MessageStatus PathDetailsRefusedMessage < -- TypeOfRequest PathDetailsRefusedMessage < -- ProcessType PathDetailsRefusedMessage < -- TypeOfInformation PathDetailsRefusedMessage < -- CoordinatingIM PathDetailsRefusedMessage < -- LeadRU PathDetailsRefusedMessage < -- RevisedRequest PathDetailsRefusedMessage < -- AffectedSection PathDetailsRefusedMessage < -- FreeTextFields </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>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader AdministrativeContactInformation Identifiers ReferenceTrainIDSubCalendar MessageStatus TypeOfRequest ProcessType TypeOfInformation CoordinatingIM LeadRU RevisedRequest AffectedSection FreeTextFields
annotation	<p>documentation</p> <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>
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="AdministrativeContactInformation"/> <xs:element ref="Identifiers" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/> <xs:element ref="MessageStatus" /> <xs:element ref="TypeOfRequest" minOccurs="0"/> <xs:element ref="ProcessType" minOccurs="0"/> <xs:element ref="TypeOfInformation" minOccurs="0"/> <xs:element ref="CoordinatingIM" minOccurs="0"/> <xs:element ref="LeadRU" minOccurs="0"/> <xs:element ref="RevisedRequest" minOccurs="0"/> <xs:element ref="AffectedSection" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element **PathInformation**

diagram	<pre> classDiagram class PathInformation { <<PlannedJourneyLocation>> <<PlannedCalendar>> <<RequestedCalendar>> } PathInformation "2..∞" -- "0..1" PlannedJourneyLocation PathInformation "0..1" -- "0..1" PlannedCalendar PathInformation "0..1" -- "0..1" RequestedCalendar </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	PlannedJourneyLocation PlannedCalendar RequestedCalendar
used by	PathDetailsMessage PathRequestMessage
source	<pre> <xs:element name="PathInformation"> <xs:complexType> <xs:sequence> <xs:element ref="PlannedJourneyLocation" minOccurs="2" maxOccurs="unbounded"/> <xs:element ref="PlannedCalendar" /> <xs:element ref="RequestedCalendar" minOccurs="0"> <xs:annotation> <xs:documentation>subset of the requested calendar</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **PathNotAvailableMessage**

diagram	<pre> classDiagram class MessageHeader { Used for all messages } class AdministrativeContactInformation { Used to define administrative contact } class Identifiers class ReferenceTrainIDSubCalendar { ReferenceTrainIDSubCalendar contains all days of Reference Train (TRID-v00) for the days in PlannedCalendar. The days in PlannedCalendar may be shifted depending on value in element OffsetToReference, is the following condition: "OffsetToReference = ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalendar" } class MessageStatus class TypeOfRequest { Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3) } class ProcessType class TypeOfInformation { Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-offer; offer; final offer; booked; deleted; utilisation notifications; confirmation of utilisation notifications } class CoordinatingIM { The coordinating (leading) IM to manage the agreement process for the IM's. It is the primary point of contact for the RU's. Central to the planning and the international timetabling processes are initiated by the leading IM, such as transfer the information about the path elaboration to involved IMs in order to prepare the offer with the partner-IMs. } class LeadRU class AffectedSection { 1..0 Indication for the recipient if not the entire path is affected, e.g. in case of a partial cancellation for the last part of the path } class InterruptionInformation { The main part of this complex element is the Interruption Reason (Code list for Train Interruption). A list of codes that denote the reason why a path is no longer available. This list is the same as the Code List given by the IM during an interruption of a train during its operation. There is also a code that is reused during the interruption caused in planning. The other subelements help describe the interruption information more precisely. } class FreeTextField { 0..0 Free Text } PathNotAvailableMessage < --> MessageHeader PathNotAvailableMessage < --> AdministrativeContactInformation PathNotAvailableMessage < --> Identifiers PathNotAvailableMessage < --> ReferenceTrainIDSubCalendar PathNotAvailableMessage < --> MessageStatus PathNotAvailableMessage < --> TypeOfRequest PathNotAvailableMessage < --> ProcessType PathNotAvailableMessage < --> TypeOfInformation PathNotAvailableMessage < --> CoordinatingIM PathNotAvailableMessage < --> LeadRU PathNotAvailableMessage < --> AffectedSection PathNotAvailableMessage < --> InterruptionInformation PathNotAvailableMessage < --> FreeTextField </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader AdministrativeContactInformation Identifiers ReferenceTrainIDSubCalendar MessageStatus TypeOfRequest ProcessType TypeOfInformation CoordinatingIM LeadRU AffectedSection InterruptionInformation FreeTextField
annotation	documentation Path Not Available message according to Short Term Path Request specification (WG5)
source	<pre> <xss:element name="PathNotAvailableMessage"> <xss:annotation> <xss:documentation>Path Not Available message according to Short Term Path Request specification (WG5)</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="MessageHeader"/> <xss:element ref="AdministrativeContactInformation"/> <xss:element ref="Identifiers" minOccurs="0"/> <xss:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/> <xss:element ref="MessageStatus"/> </xss:sequence> </xss:complexType> </xss:element> </pre>

	<pre> <xs:element <xs:complexType> <xs:sequence> <xs:element ref="TypeOfRequest" minOccurs="0"/> <xs:element ref="ProcessType" minOccurs="0"/> <xs:element ref="TypeOfInformation" minOccurs="0"/> <xs:element ref="CoordinatingIM" minOccurs="0"/> <xs:element ref="LeadRU" minOccurs="0"/> <xs:element ref="AffectedSection" maxOccurs="unbounded"/> <xs:element ref="InterruptionInformation"/> <xs:element ref="FreeTextField" minoccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element PathRequestMessage

diagram	<p>The diagram illustrates the structure of the PathRequestMessage element. It starts with a PathRequestMessage class, which has a self-referencing association named PathRequestMessage. This association is annotated with a note: "This message serves to request a train path. The message is sent from the RU to each IM involved." Below the main class, there is a detailed list of its components:</p> <ul style="list-style-type: none"> MessageHeader: Used for all messages. AdministrativeContactInformation: Used to define administrative contact information. Identifiers ReferenceTrainIDSubCalendar: ReferenceTrainIDSubCalendar contains all days of Reference Train (TRID=0) for days provided in PlannedCalendar. The days in PlannedCalendar may differ from those in ReferenceTrainIDSubCalendar based on the element OffsetToReference. The following condition must always be true: ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalender MessageStatus TypeOfRUHarmonization: Type of RU harmonization: Full, Part, None. TypeOfIMHarmonization: Enumeration of Type of IM harmonization: Full, Part CoordinatingIM: Proposal from the RU, IM's will decide who will take the role. LeadRU: Lead Railway Undertaking TypeOfRequest: 1. Path study; 2. Path request; 3. Path Modification ProcessType TypeOfInformation: Enumeration indicating to which process step / process type the message belongs. The message belongs to the message below: path study; pre-arranged/catalogue path; (draft); final offer; booked; delivery utilisation notifications; confirmation of utilisation confirmation TrainInformation: Train Information provided by the RUs as an overview for the whole train journey from origin to destination PathInformation: Information provided by the RU for a requested path section or by the IM for an offered/booked of the Path section NetworkSpecificParameter: A structured section for specific mandatory elements that have to be checked by the applications that network section is contained in journey location only if journey location belongs to PathInformation element FreeTextField: Free Text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader AdministrativeContactInformation Identifiers ReferenceTrainIDSubCalendar MessageStatus TypeOfRUHarmonization TypeOfIMHarmonization CoordinatingIM LeadRU TypeOfRequest ProcessType TypeOfInformation TrainInformation PathInformation NetworkSpecificParameter FreeTextField

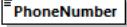
annotation	documentation This message serves to request a train path. The message is sent from the RU to each IM involved.
source	<pre> <xs:element name="PathRequestMessage"> <xs:annotation> <xs:documentation>This message serves to request a train path. The message is sent from the RU to each IM involved.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="AdministrativeContactInformation"/> <xs:element ref="Identifiers" minOccurs="0"/> <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0"/> <xs:element ref="MessageStatus"/> <xs:element ref="TypeOfRUHarmonization" minOccurs="0"/> <xs:element ref="TypeOfIMHarmonization" minOccurs="0"/> <xs:element ref="CoordinatingIM" minOccurs="0"/> <xs:annotation> <xs:documentation>Proposal from the RU, IM's will decide who will take the role.</xs:documentation> </xs:annotation> </xs:sequence> <xs:element ref="LeadRU" minOccurs="0"/> <xs:element ref="TypeOfRequest"> <xs:annotation> <xs:documentation>1 Path study request Modification</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="ProcessType" minOccurs="0"/> <xs:element ref="TypeOfInformation"/> <xs:element ref="TrainInformation"> <xs:annotation> <xs:documentation>Train Information provided by the RUs as an overview for the whole train journey from origin to destination</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="PathInformation"> <xs:annotation> <xs:documentation>Information provided by the RU for a requested journey section or by the IM for an offered/booked of the Path section</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="NetworkSpecificParameter" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>A structured section for specific mandatory attributes for that network. This has to be checked by the applications that network section is contained in journy location only if journy location belongs to PathInformation element</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/> </xs:complexType> </xs:element> </pre>

	<pre></xs:sequence> </xs:complexType> </xs:element></pre>
--	---

element **PermittedTolerance**

diagram	 PermittedTolerance Permitted tolerance after date of overhaul (in months)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
used by	element RollingStockDataset/DesignDataSet
facets	Kind Value Annotation minInclusive 0 maxInclusive 99
annotation	documentation Permitted tolerance after date of overhaul (in months)
source	<pre><xs:element name="PermittedTolerance"> <xs:annotation> <xs:documentation>Permitted tolerance after date of overhaul (in months)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **PhoneNumber**

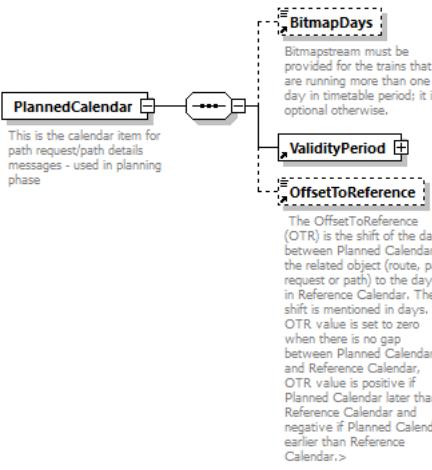
diagram	 PhoneNumber Generic Phone number in Free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CommunicationRefID
properties	content simple
used by	element AdministrativeContactInformation
facets	Kind Value Annotation minLength 1 maxLength 70
annotation	documentation Generic Phone number in Free text
source	<pre><xs:element name="PhoneNumber" type="CommunicationRefID"> <xs:annotation> <xs:documentation>Generic Phone number in Free text</xs:documentation> </xs:annotation></pre>

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

element PickupTimeAtLocation

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	<code>xs:dateTime</code>
properties	content simple
annotation	documentation The date and time of the release of a wagon at customer sidings
source	<pre> <xs:element name="PickupTimeAtLocation" type="xs:dateTime"> <xs:annotation> <xs:documentation>The date and time of the release of a wagon at customer sidings</xs:documentation> </xs:annotation> </xs:element> </pre>

element PlannedCalendar

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	BitmapDays ValidityPeriod OffsetToReference
used by	AffectedSection PathInformation TrainInformation
annotation	documentation This is the calendar item for path request/path details messages - used in planning phase
source	<pre> <xs:element name="PlannedCalendar"> <xs:annotation> <xs:documentation>This is the calendar item for path request/path details messages - used in planning phase</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="BitmapDays" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:element <xs:element ref="OffsetToReference" ref="ValidityPeriod"/> </xs:sequence> minOccurs="0"/> </xs:complexType> </xs:element> </pre>
--	---

element **PlannedDateNextOverhaul**

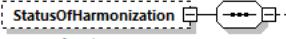
diagram	 PlannedDateNextOverhaul <p>Date of planned next overhaul. It must be within the validity period of the last overhaul. The element serves as indication of the actually planned date of next overhaul by the wagon keeper/ECM. Minimum planned date next overhaul or overhaul validity period must be provided by the wagon keeper.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	content simple
used by	element RollingStockDataset/DesignDataSet
annotation	<p>documentation</p> <p>Date of planned next overhaul. It must be within the validity period of the last overhaul. The element serves as indication of the actually planned date of next overhaul by the wagon keeper/ECM. Minimum planned date next overhaul or overhaul validity period must be provided by the wagon keeper.</p>
source	<pre> <xs:element name="PlannedDateNextOverhaul" type="xs:date"> <xs:annotation> <xs:documentation> Date of planned next overhaul. It must be within the validity period of the last overhaul. The element serves as indication of the actually planned date of next overhaul by the wagon keeper/ECM. Minimum planned date next overhaul or overhaul validity period must be provided by the wagon keeper. </xs:documentation> </xs:annotation> </xs:element> </pre>

element **PlannedJourneyLocation**

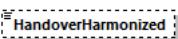
diagram	<pre> classDiagram class LocationIdent { <<extension>> } class PlannedJourneyLocation { <<Any operation point along the train journey or path.>> } class CountryCodeISO { <<Identifies a Country or State by code (ISO 3166-1)>> } class LocationPrimaryCode { <<Primary location Name>> } class PrimaryLocationName { <<Location Name in an offication language, encoded using the ISO 2022 Unicode alphabet>> } class LocationSubsidiaryIdentification { <<Subsidiary Location>> } class TimingAtLocation { <<Timing at an operation point
TimeQualifyCode with the following values:
PLA = Public Location Arrival
PLD = Public Location Departure
LLA = Least Location Arrival
LLD = Least Location Departure
ALA = Actual Location Arrival
ALD = Actual Location Departure
LLA = Least Location Arrival
LLD = Least Location Departure>> } class FreeTextField { <<Free Text>> } class ResponsibleApplicant { <<Responsible applicant for the white journey where the request has made the request.>> } class ResponsibleRU { <<Responsible RU for the physical operation of the train section>> } class ResponsibleIM { <<Responsible IM for the train section. This element has to be used if the planned journey location (origin of train) is in journey locations (ould mean that the train continues without stopping at the train) and the responsible IM for the oncoming section changes from the previous section. This means, the next IM has responsibility for the oncoming section.>> } class PlannedTrainData { <<Planned Train Data for the planning period>> } class StatusOfHarmonization { <<Describes whether the train section has been harmonized or not. This element just sets an indication message that the train section has been harmonized or not>> } class TrainActivity { <<Since the activity can be related to attaching/detaching wagons and cars to different trains, the reference to the responsible IM should be possible to be selected>> } class OnDemandPath { <<For the use of on demand or emergency services, either activated or deactivated directly by the IM>> } class PreArrangedPath { <<Path offered by the IM with pre-defined route, time of departure and arrival times, and is suitable for freight transport services>> } class OperationalTrainNumber { <<Identifies the train for traffic management purposes (e.g. Dispatcher, GSMR services, etc.)>> } class NetworkSpecificParameter { <<The usage of this element must be specified in national rules and has to be defined by each IM>> } class JourneyLocationTypeCode { <<1..>> } </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification TimingAtLocation FreeTextField ResponsibleApplicant ResponsibleRU ResponsibleIM PlannedTrainData StatusOfHarmonization TrainActivity OnDemandPath PreArrangedPath OperationalTrainNumber NetworkSpecificParameter JourneyLocationTypeCode
used by	elements PathInformation TrainInformation
annotation	documentation Any operation point along the train journey or path
source	<pre> <xss:element name="PlannedJourneyLocation"> <xss:annotation> <xss:documentation>Any operation point along the train journey or path</xss:documentation> </xss:annotation> <xss:complexType> <xss:complexContent> </pre>

	<pre> <xs:extension <xs:sequence <xs:element base="LocationIdent"> ref="TimingAtLocation" minOccurs="1"> <xs:element minOccurs="0"/> ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="ResponsibleApplicant" minOccurs="0"/> <xs:element ref="ResponsibleRU" minOccurs="0"/> <xs:element ref="ResponsibleIM" minOccurs="0"/> <xs:element ref="PlannedTrainData" minOccurs="0"/> <xs:element name="StatusOfHarmonization" minOccurs="0"> <xs:annotation> <xs:documentation>Does not force harmonization, it just sets an indication message: has the interchange/handover been harmonized or not.</xs:documentation> </xs:annotation> </xs:element> <xs:complexType> <xs:sequence> <xs:element name="HandoverHarmonized" type="xs:boolean"> minOccurs="0"> <xs:annotation> <xs:documentation>IM indicates that he has finished to harmonized the handover point. Used for PathDetails message, should be mandatory for applications.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="InterchangeHarmonized" type="xs:boolean"> minOccurs="0"> <xs:annotation> <xs:documentation>RU indicates that it has harmonized the interchange point with its' partner. Used for PathRequest, should be mandatory for applications</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> <xs:element ref="TrainActivity" minOccurs="0"> maxOccurs="unbounded"/> <xs:element ref="OnDemandPath" minOccurs="0"/> <xs:element ref="PreArrangedPath" minOccurs="0"/> <xs:element ref="OperationalTrainNumber" minOccurs="0"/> <xs:element ref="NetworkSpecificParameter" minOccurs="0"/> maxOccurs="unbounded"/> <xs:element ref="JourneyLocationTypeCode" minOccurs="1"> maxOccurs="unbounded"/> <xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>
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element **PlannedJourneyLocation/StatusOfHarmonization**

diagram	 <p>StatusOfHarmonization</p> <p>Does not force harmonization, it just sets an indication message: has the interchange/handover been harmonized or not.</p> <p>HandoverHarmonized</p> <p>IM indicates that he has finished to harmonized the handover point. Used for PathDetails message, should be mandatory for applications.</p> <p>InterchangeHarmonized</p> <p>RU indicates that it has harmonized the interchange point with its' partner. Used for PathRequest, should be mandatory for applications</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	HandoverHarmonized InterchangeHarmonized
annotation	documentation Does not force harmonization, it just sets an indication message: has the interchange/handover been harmonized or not.
source	<pre> <xs:element name="StatusOfHarmonization" minOccurs="0"> <xs:annotation> <xs:documentation>Does not force harmonization, it just sets an indication message: has the interchange/handover been harmonized or not.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="HandoverHarmonized" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>IM indicates that he has finished to harmonized the handover point. Used for PathDetails message, should be mandatory for applications.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="InterchangeHarmonized" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>RU indicates that it has harmonized the interchange point with its' partner. Used for PathRequest, should be mandatory for applications</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **PlannedJourneyLocation/StatusOfHarmonization/HandoverHarmonized**

diagram	 <p>HandoverHarmonized</p> <p>IM indicates that he has finished to harmonized the handover point. Used for PathDetails message, should be mandatory for applications.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	minOcc 0 maxOcc 1

	content simple
annotation	documentation IM indicates that he has finished to harmonized the handover point. Used for PathDetails message, should be mandatory for applications.
source	<pre><xs:element name="HandoverHarmonized" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>IM indicates that he has finished to harmonized the handover point. Used for PathDetails message, should be mandatory for applications.</xs:documentation> </xs:annotation> </xs:element></pre>

element PlannedJourneyLocation/StatusOfHarmonization/InterchangeHarmonized

diagram	<div style="border: 1px dashed black; padding: 2px;">InterchangeHarmonized</div> <p>RU indicates that it has harmonized the interchange point with its' partner. Used for PathRequest, should be mandatory for applications</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation RU indicates that it has harmonized the interchange point with its' partner. Used for PathRequest, should be mandatory for applications
source	<pre><xs:element name="InterchangeHarmonized" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>RU indicates that it has harmonized the interchange point with its' partner. Used for PathRequest, should be mandatory for applications.</xs:documentation> </xs:annotation> </xs:element></pre>

element PlannedSpeed

diagram	<div style="border: 1px dashed black; padding: 2px;">PlannedSpeed</div> <p>IM may inform the RA on the speed which was the basis for path construction</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	Speed									
properties	content simple									
used by	element PlannedTrainTechnicalData									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>001</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	001		maxInclusive	999	
Kind	Value	Annotation								
minInclusive	001									
maxInclusive	999									
annotation	documentation IM may inform the RA on the speed which was the basis for path construction									
source	<pre><xs:element name="PlannedSpeed" type="Speed"> <xs:annotation> <xs:documentation>IM may inform the RA on the speed which was the basis for path construction</xs:documentation> </xs:annotation> </xs:element></pre>									

	<code>for</code> <code></xs:annotation></code> <code></xs:element></code>	path	construction	<code></xs:documentation></code>
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element **PlannedTrainData**

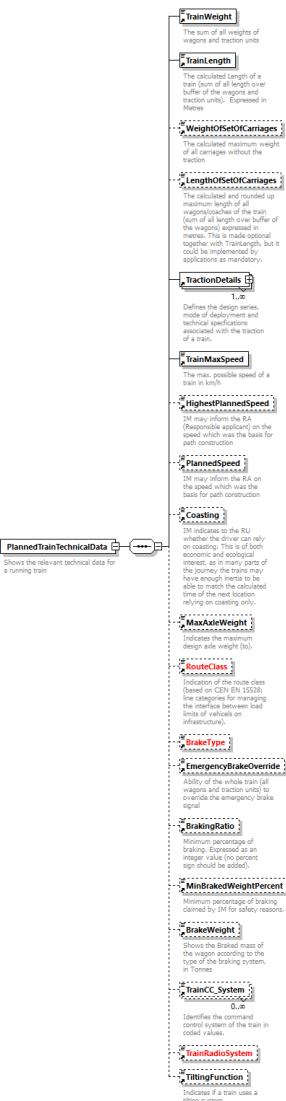
diagram	<pre> classDiagram class PlannedTrainData { <<Train relevant data for a planning period>> } class TrainType class TrafficType class PushPullTrain class TypeofService class CommercialTrafficType class PlannedTrainTechnicalData class ExceptionalGaugingIdent class DangerousGoodsIndication class CombinedTrafficLoadProfile PlannedTrainData "1" --> "1" TrainType PlannedTrainData "1" --> "1" TrafficType PlannedTrainData "1" --> "1" PushPullTrain PlannedTrainData "1" --> "1" TypeofService PlannedTrainData "1" --> "1" CommercialTrafficType PlannedTrainData "1" --> "1" PlannedTrainTechnicalData PlannedTrainData "1" --> "0..>" ExceptionalGaugingIdent PlannedTrainData "1" --> "0..>" DangerousGoodsIndication PlannedTrainData "1" --> "1" CombinedTrafficLoadProfile </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	TrainType TrafficType PushPullTrain TypeofService CommercialTrafficType PlannedTrainTechnicalData ExceptionalGaugingIdent DangerousGoodsIndication CombinedTrafficLoadProfile
used by	element PlannedJourneyLocation
annotation	documentation Train relevant data for a planning period
source	<pre> <xs:element name="PlannedTrainData"> <xs:annotation> <xs:documentation>Train relevant data for a planning period</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TrainType" minOccurs="0"/> <xs:element ref="TrafficType" minOccurs="0"/> <xs:element ref="PushPullTrain" minOccurs="0"/> <xs:element ref="TypeofService" minOccurs="0"/> <xs:element name="CommercialTrafficType" type="tap:type7009BrandNameCodeList" minOccurs="0"/> <xs:element ref="PlannedTrainTechnicalData"/> <xs:element ref="ExceptionalGaugingIdent" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre>maxOccurs="unbounded"/> <xs:element ref="DangerousGoodsIndication" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="CombinedTrafficLoadProfile" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>
--	---

element **PlannedTrainData/CommercialTrafficType**

diagram	 CommercialTrafficType
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	tap:type7009BrandNameCodeList
properties	minOcc 0 maxOcc 1
source	<pre><xs:element name="CommercialTrafficType" type="tap:type7009BrandNameCodeList" minOccurs="0"/></pre>

element **PlannedTrainTechnicalData**

diagram	 <p>The diagram illustrates the structure of the PlannedTrainTechnicalData element. It is a complex type with many child elements. Some elements are mandatory (indicated by a solid border) and others are optional (indicated by a dashed border). The mandatory elements include TrainWeight, TrainLength, WeightOfSetOfCarriages, LengthOfSetOfCarriages, TractionDetails, TrainMaxSpeed, HighestPlannedSpeed, PlannedSpeed, Coasting, MaxAxeWeight, RouteClass, BrakeType, EmergencyBrakeOverride, BrakingRatio, MinBrakedWeightPercent, BrakeWeight, TrainCC_System, and TrainRadioSystem. The optional elements include PlannedTrainTechnicalData (which is self-referencing), BrakingFunction, and TiltingFunction.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	TrainWeight TrainLength WeightOfSetOfCarriages LengthOfSetOfCarriages TractionDetails TrainMaxSpeed HighestPlannedSpeed PlannedSpeed Coasting MaxAxeWeight RouteClass BrakeType EmergencyBrakeOverride BrakingRatio MinBrakedWeightPercent BrakeWeight TrainCC_System TrainRadioSystem TiltingFunction
used by	element PlannedTrainData
annotation	<p>documentation</p> <p>Shows the relevant technical data for a running train</p>
source	<pre> <xs:element name="PlannedTrainTechnicalData"> <xs:annotation> <xs:documentation>Shows the relevant technical data for a running train</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TrainWeight"/> <xs:element ref="TrainLength"/> <xs:element ref="WeightOfSetOfCarriages" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:element ref="LengthOfSetOfCarriages" minOccurs="0"/> <xs:element ref="TractionDetails" maxOccurs="unbounded"/> <xs:element ref="TrainMaxSpeed" /> <xs:element ref="HighestPlannedSpeed" minOccurs="0"/> <xs:element ref="PlannedSpeed" minOccurs="0"/> <xs:element ref="Coasting" minOccurs="0"/> <xs:element ref="MaxAxleWeight" minOccurs="0"/> <xs:element ref="RouteClass" minOccurs="0"/> <xs:annotation> <xs:documentation>Indication of the route class (based on CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure).</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="BrakeType" minOccurs="0"/> <xs:element ref="EmergencyBrakeOverride" minOccurs="0"/> <xs:element ref="BrakingRatio" minOccurs="0"/> <xs:element ref="MinBrakedWeightPercent" minOccurs="0"/> <xs:element ref="BrakeWeight" minOccurs="0"/> <xs:element ref="TrainCC_System" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="TrainRadioSystem" minOccurs="0"/> <xs:element ref="TiltingFunction" minOccurs="0"/> <xs:annotation> <xs:documentation>Indicates if a train uses a tilting system</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **PlannedTransportIdentifiers**

diagram	<pre> classDiagram class CompositIdentifierPlannedType { ObjectType Company Core Variant TimetableYear StartDate } class PlannedTransportIdentifiers PlannedTransportIdentifiers --> Core </pre>
namespace	http://www.era.europa.eu/schemes/TAF-TSI/3.1

type	CompositIdentifierPlannedType
properties	content complex
children	ObjectType Company Core Variant TimetableYear StartDate
used by	elements ErrorMessage Identifiers
source	<pre><xs:element name="PlannedTransportIdentifiers" type="CompositIdentifierPlannedType"/></pre>

element PostalCode

diagram	<p>The postal code for the postal address</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>10</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	10	
Kind	Value	Annotation								
minLength	1									
maxLength	10									
annotation	documentation The postal code for the postal address									
source	<pre><xs:element name="PostalCode"> <xs:annotation> <xs:documentation>The postal code for the postal address</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="10"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element PreArrangedPath

diagram	<p>Path offered by the IMs with pre-defined frequencies, times of departures and destinations and routings suitable for freight transport services.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
used by	element PlannedJourneyLocation									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>9</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	9	
Kind	Value	Annotation								
minLength	1									
maxLength	9									

annotation	documentation Path offered by the IMs with pre-defined frequencies, times of departures and destinations and routings suitable for freight transport services.
source	<pre> <xs:element name="PreArrangedPath"> <xs:annotation> <xs:documentation>Path offered by the IMs with pre-defined frequencies, times of departures and destinations and routings suitable for freight transport services.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="9"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element PreviousConsignmentNumber

diagram	<p>This element shows the previous Reference number assigned to a consignment by a lead RU</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	ConsignmentIdent
properties	content complex
used by	element WIMO Dataset/ConsignmentLevelData
annotation	documentation This element shows the previous Reference number assigned to a consignment by a lead RU
source	<pre> <xs:element name="PreviousConsignmentNumber" type="ConsignmentIdent"> <xs:annotation> <xs:documentation>This element shows the previous Reference number assigned to a consignment by a lead RU</xs:documentation> </xs:annotation> </xs:element></pre>

element PreviousResponsibleRU

diagram	<p>This element identifies the RU, who was responsible for the train operation on the journey section before an interchange point</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	CompanyCode												
properties	content simple												
used by	elements ConsignmentOrderMessage/COMS/COM/AcceptancePoint WIMO Dataset/ConsignmentLevelData												
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												

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

element **PrimaryLocationName**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	FreeText									
properties	content simple									
used by	complexType LocationIdent									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>255</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	255	
Kind	Value	Annotation								
minLength	1									
maxLength	255									
annotation	documentation Location Name in an officiation language of the Country using the ISO Unicode alphabet									
source	<pre><xs:element name="PrimaryLocationName" type="FreeText"> <xs:annotation> <xs:documentation>Location Name in an officiation language of the Country using the ISO Unicode alphabet</xs:documentation> </xs:annotation> </xs:element></pre>									

element **ProductionStation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Location RP_Code
used by	elements ConsignmentOrderMessage/COMS/COM/AcceptancePoint ConsignmentOrderMessage/COMS/COM/DeliveryPoint
annotation	documentation Details of production station serving the point, this element is used if the productional station differs from the commercial station
source	<pre><xs:element name="ProductionStation"> <xs:annotation></pre>

	<pre> <xs:documentation>Details of production station serving the point, this element is used if the productional station differs from the commercial station</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:element ref="RP_Code" ref="Location"/> minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **PushPullTrain**

diagram	 PushPullTrain Indicates that the train can change direction without shunting. This flag can be used only with TractionMode 1X, 2X, 5X.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element PlannedTrainData
annotation	documentation Indicates that the train can change direction without shunting. This flag can be used only with TractionMode 1X, 2X, 5X.
source	<pre> <xs:element name="PushPullTrain" type="xs:boolean"> <xs:annotation> <xs:documentation>Indicates that the train can change direction without shunting. This flag can be used only with TractionMode 1X, 2X, 5X.</xs:documentation> </xs:annotation> </xs:element> </pre>

element **Quantity**

diagram	 Quantity Amount of the loading tackles of the specified type.									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:int									
properties	content simple									
used by	elements ConsignmentOrderMessage/COMS/COM/AttachedDocuments LoadingTackles									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	99999	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	99999									
annotation	documentation Amount of the loading tackles of the specified type.									
source	<pre> <xs:element name="Quantity"> <xs:annotation> <xs:documentation>Amount of the loading tackles of the specified type.</xs:documentation> </xs:annotation> </xs:element> </pre>									

	<pre> type.</xs:documentation> </xs:annotation> <xss:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xss:simpleType> </xs:element> </pre>	<base="xs:int"></base="xs:int"> <value="1"></value="1"> > <value="99999" >="" <="" td=""></value="99999">
--	--	--

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. The identifiers in this message have to be same as those that have come from sender. The same applies to type-of-request and type-of-information.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader Identifiers ReferenceTrainIDSubCalendar TypeOfRequest TypeOfInformation AffectedSection RelatedReference
annotation	<p>documentation</p> <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. The identifiers in this message have to be same as those that have come from sender. The same applies to type-of-request and type-of-information.</p>
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. The identifiers in this message have to be same as those that have come from sender. The same applies to type-of-request and type-of- </pre>

	<pre> information.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader" /> <xs:element ref="Identifiers" minOccurs="0" /> <xs:element ref="ReferenceTrainIDSubCalendar" minOccurs="0" /> <xs:element ref="TypeOfRequest" minOccurs="0" /> <xs:element ref="TypeOfInformation" minOccurs="0" /> <xs:element ref="AffectedSection" minOccurs="0" maxOccurs="unbounded" /> <xs:element ref="RelatedReference" /> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

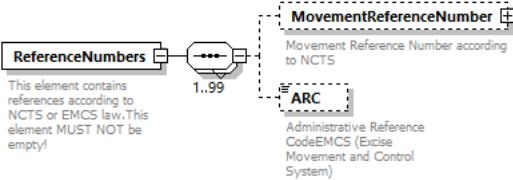
element **Recipient**

diagram	<p>The diagram shows a UML class named "Recipient". It has an association line pointing to another class named "CI_InstanceNumber". A callout box labeled "attributes" points to the "CI_InstanceNumber" class. Below the diagram, the text "Receiver of the message" is provided.</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	extension of CompanyCode												
properties	content complex												
used by	element MessageHeader												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												
attributes	<table> <thead> <tr> <th>Name</th> <th>Type</th> <th>Use</th> <th>Default</th> <th>Fixed</th> <th>Annotation documentation</th> </tr> </thead> <tbody> <tr> <td>CI_InstanceNumber</td> <td>Numeric2-2</td> <td></td> <td></td> <td></td> <td>Number of a Common Interface Instance for the same Company</td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation documentation	CI_InstanceNumber	Numeric2-2				Number of a Common Interface Instance for the same Company
Name	Type	Use	Default	Fixed	Annotation documentation								
CI_InstanceNumber	Numeric2-2				Number of a Common Interface Instance for the same Company								
annotation	<p>documentation Receiver of the message</p>												
source	<pre> <xs:element name="Recipient"> <xs:annotation> <xs:documentation>Receiver of the message</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="CompanyCode"> <xs:attribute ref="CI_InstanceNumber"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>												

element **ReferencedLocationDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	elements DelayEventReport InterruptionPoint TrainAtLocation TrainLocationReport
annotation	documentation Reference to original planned Date and Time agreed by all involved IMs and RUs.
source	<pre><xs:element name="ReferencedLocationDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Reference to original planned Date and Time agreed by all involved IMs and RUs. </xs:documentation> </xs:annotation> </xs:element></pre>

element **ReferenceNumbers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MovementReferenceNumber ARC
used by	elements ITU Details Wagons/WagonDetails
annotation	documentation This element contains references according to NCTS or EMCS law.This element MUST NOT be empty!
source	<pre><xs:element name="ReferenceNumbers"> <xs:annotation> <xs:documentation>This element contains references according to NCTS or EMCS law.This element MUST NOT be empty!</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="MovementReferenceNumber" maxOccurs="99" minOccurs="0"> <xs:annotation> <xs:documentation>Movement Reference Number according to NCTS</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MRN_Type"/> <xs:element name="MRN_Number"> <xs:annotation> <xs:documentation>Movement reference number. Data element in accordance with Regulation (EC) 1875/2006.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="ARC" minOccurs="0"> <xs:annotation> <xs:documentation>Administrative Reference CodeEMCS (Excise Movement and Control System)</xs:documentation> <xs:documentation>CODE: EU (EC) No 684/2009</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **ReferenceNumbers/MovementReferenceNumber**

diagram	<p>Movement Reference Number according to NCTS</p> <p>MRN_Type</p> <p>MRN_Number</p> <p>Movement reference number. Data element in accordance with Regulation (EC) 1875/2006.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	MRN_Type MRN Number
annotation	<p>documentation</p> <p>Movement Reference Number according to NCTS</p>
source	<pre> <xs:element name="MovementReferenceNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Movement Reference Number according to NCTS</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MRN_Type"/> <xs:element name="MRN_Number"> <xs:annotation> <xs:documentation>Movement reference number. Data element in accordance with Regulation (EC) 1875/2006.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:restriction <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>	<pre> base="xs:string"> value="1"/> value="21"/> </pre>
--	--	--

element **ReferenceNumbers/MovementReferenceNumber/MRN_Number**

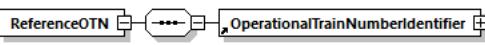
diagram	<p>MRN_Number</p> <p>Movement reference number. Data element in accordance with Regulation (EC) 1875/2006.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>21</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	21	
Kind	Value	Annotation								
minLength	1									
maxLength	21									
annotation	<p>documentation</p> <p>Movement reference number. Data element in accordance with Regulation (EC) 1875/2006.</p>									
source	<pre> <xs:element name="MRN_Number"> <xs:annotation> <xs:documentation>Movement reference number. Data element in accordance with Regulation (EC) 1875/2006.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element **ReferenceNumbers/ARC**

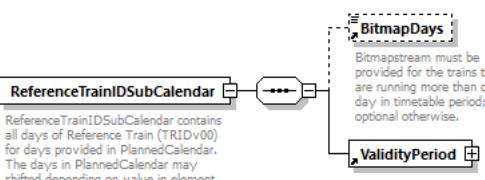
diagram	<p>ARC</p> <p>Administrative Reference CodeEMCS (Excise Movement and Control System)</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1						
type	restriction of xs:string						
properties	<table> <thead> <tr> <th>minOcc</th> <th>0</th> </tr> </thead> <tbody> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </tbody> </table>	minOcc	0	maxOcc	1	content	simple
minOcc	0						
maxOcc	1						
content	simple						
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>length</td> <td>21</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	length	21	
Kind	Value	Annotation					
length	21						
annotation	<p>documentation</p> <p>Administrative Reference CodeEMCS (Excise Movement and Control System)</p> <p>documentation</p>						

	CODE: EU (EC) No 684/2009
source	<pre> <xs:element name="ARC" minOccurs="0"> <xs:annotation> <xs:documentation>Administrative Reference CodeEMCS (Excise Movement and System)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="21"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **ReferenceOTN**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	OperationalTrainNumberIdentifier
used by	elements ChangeofTrackMessage TrainAtLocation TrainCompositionMessage TrainDelayCauseMessage TrainJourneyModificationMessage TrainReadyMessage TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage
source	<pre> <xs:element name="ReferenceOTN"> <xs:complexType> <xs:sequence> <xs:element ref="OperationalTrainNumberIdentifier"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **ReferenceTrainIDSubCalendar**

diagram	 <p>ReferenceTrainIDSubCalendar contains all days of Reference Train (TRIDv00) for days provided in PlannedCalendar. The days in PlannedCalendar may shifted depending on value in element OffsetToReference, ie the following condition must always be true : ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalender"</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	BitmapDays ValidityPeriod
used by	elements PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage ReceiptConfirmationMessage
annotation	documentation ReferenceTrainIDSubCalendar contains all days of Reference Train (TRIDv00) for days provided in PlannedCalendar. The days in PlannedCalendar may shifted depending on value in element OffsetToReference, ie the following condition must always be true : ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalender"

source	<pre> <xs:element name="ReferenceTrainIDSubCalendar"> <xs:annotation> <xs:documentation>ReferenceTrainIDSubCalendar contains all days of Reference Train (TRIDv00) for days provided in PlannedCalendar. The days in PlannedCalendar may shifted depending on value in element OffsetToReference, ie the following condition must always be true : ReferenceTrainIDSubCalendar + OffsetToReference = PlannedCalender</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="BitmapDays" minOccurs="0"/> <xs:element ref="ValidityPeriod"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--------	---

element **RelatedIdentifier**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	FreeText									
properties	content simple									
used by	element RelatedReference									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>255</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	255	
Kind	Value	Annotation								
minLength	1									
maxLength	255									
source	<pre><xs:element name="RelatedIdentifier" type="FreeText"/></pre>									

element **RelatedPlannedTransportIdentifiers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CompositIdentifierPlannedType
properties	content complex
children	ObjectType Company Core Variant TimetableYear StartDate
used by	element Identifiers
source	<pre><xs:element name="RelatedPlannedTransportIdentifiers" type="CompositIdentifierPlannedType"/></pre>

element **RelatedReference**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	RelatedType RelatedIdentifier RelatedSenderReference RelatedMessageDateTime
used by	elements ReceiptConfirmationMessage WagonDepartureNoticeMessage WagonDeviationMessage WagonETI ETA Message
annotation	documentation Identifies the message to which the actual message refers
source	<pre><xs:element name="RelatedReference"> <xs:annotation> <xs:documentation>Identifies the message to which the actual message</pre>

	<pre> refers</xs:documentation> </xs:annotation> <xss:complexType> <xss:sequence> <xss:element name="RelatedType" type="MessageCode"/> <xss:element ref="RelatedIdentifier"/> <xss:element ref="RelatedSenderReference" minOccurs="0"/> <xss:element name="RelatedMessageDateTime" type="xs:dateTime"> <xss:annotation> <xs:documentation>Date Time of related message. </xs:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </xss:element> </pre>
--	---

element RelatedReference/RelatedType

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	MessageCode
source	<xss:element name="RelatedType" type="MessageCode"/>

element RelatedReference/RelatedMessageDateTime

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
annotation	documentation Date Time of related message.
source	<xss:element name="RelatedMessageDateTime" type="xs:dateTime"> <xss:annotation> <xs:documentation>Date Time of related message. </xs:documentation> </xss:annotation> </xss:element>

element RelatedSenderReference

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
used by	element RelatedReference

facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Sender reference given by the Sender
source	<xs:element name="RelatedSenderReference" type="FreeText"> <xs:annotation> <xs:documentation>Sender reference given by the Sender</xs:documentation> </xs:annotation> </xs:element>

element **RelatedTransportOperationalIdentifiers**

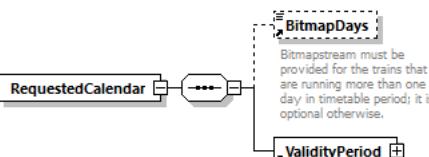
diagram	<pre> classDiagram class CompositIdentifierOperationalType { <<Composite Identifier Operational Type>> <<Object Type>> <<Company>> <<Core>> <<Variant>> <<Timetable Year>> <<Start Date>> } class RelatedTransportOperationalIdentifiers { <<Related Transport Operational Identifiers>> } CompositIdentifierOperationalType < -- RelatedTransportOperationalIdentifiers CompositIdentifierOperationalType "1..1" --> "1..1" Object Type CompositIdentifierOperationalType "1..1" --> "1..1" Company CompositIdentifierOperationalType "1..1" --> "1..1" Core CompositIdentifierOperationalType "1..1" --> "1..1" Variant CompositIdentifierOperationalType "1..1" --> "1..1" Timetable Year CompositIdentifierOperationalType "1..1" --> "1..1" Start Date </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CompositIdentifierOperationalType
properties	content complex
children	ObjectType Company Core Variant TimetableYear StartDate
used by	element TrainOperationalIdentification
source	<xs:element name="RelatedTransportOperationalIdentifiers" type="CompositIdentifierOperationalType"/>

element **Remarks**

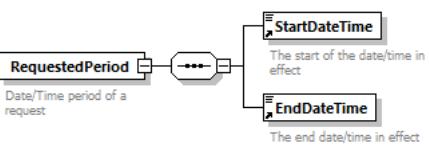
diagram	<p>Remarks Free Form Text</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText

properties	content simple		
used by	elements DelayCauseTime InterruptionPoint TrainJourneyModificationMessage		
facets	Kind	Value	Annotation
	minLength	1	
	maxLength	255	
annotation	documentation Free Form Text		
source	<pre><xs:element name="Remarks" type="FreeText"> <xs:annotation> <xs:documentation>Free Form Text</xs:documentation> </xs:annotation> </xs:element></pre>		

element RequestedCalendar

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	BitmapDays ValidityPeriod
used by	element PathInformation
source	<pre><xs:element name="RequestedCalendar" type="ComplexType"> <xs:complexType> <xs:sequence> <xs:element ref="BitmapDays" minOccurs="0"/> <xs:element ref="ValidityPeriod"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element RequestedPeriod

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	StartDateTime EndDateTime
annotation	documentation Date/Time period of a request
source	<pre><xs:element name="RequestedPeriod" type="ComplexType"> <xs:complexType> <xs:sequence> <xs:element ref="StartDateTime" /> <xs:element ref="EndDateTime" /> </xs:sequence> </xs:complexType> </xs:element></pre>

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

element **RequestedTimeframe**

diagram	<pre> classDiagram class RequestedTimeframe { <<To specify a time period being requested>> } class StartDateTime { <<The start of the date/time in effect>> } class EndDateTime { <<The end date/time in effect>> } RequestedTimeframe "2" --> "1" StartDateTime RequestedTimeframe "2" --> "1" EndDateTime </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	StartDateTime EndDateTime
annotation	<p>documentation</p> <p>To specify a time period being requested</p>
source	<pre> <xss:element name="RequestedTimeframe"> <xss:annotation> <xss:documentation>To specify a time period being requested</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="StartDateTime" /> <xss:element ref="EndDateTime" /> </xss:sequence> </xss:complexType> </xss:element> </pre>

element **ResponsibilityActualSection**

diagram	 <p>This element identifies the responsible RU or IM for the actual path section</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	ResponsibleRU ResponsibleIM

used by	element JourneySection
annotation	documentation This element identifies the responsible RU or IM for the actual path section
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>

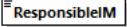
element [ResponsibilityNextSection](#)

diagram	<p>This element identifies the responsible RU and IM for the following path section</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	ResponsibleRU ResponsibleIM
used by	element JourneySection
annotation	documentation This element identifies the responsible RU and IM for the following path section
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>

element **ResponsibleApplicant**

diagram	 ResponsibleApplicant <small>This element has to be used for the whole journey where the applicant has made the request</small>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	restriction of CompanyCode												
properties	content simple												
used by	element PlannedJourneyLocation												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												
annotation	<p>documentation</p> <p>This element has to be used for the whole journey where the applicant has made the request</p>												
source	<pre><xs:element name="ResponsibleApplicant"> <xs:annotation> <xs:documentation>This element has to be used for the whole journey where the applicant has made the request</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="CompanyCode"/> </xs:simpleType> </xs:element></pre>												

element **ResponsibleIM**

diagram	 ResponsibleIM <small>IM Responsible for Reporting. For Path Requests, this element has to be used - in the first journey location (origin of train) - in journey locations (could even be a network border without stopping of the train) in case where the IM on the oncoming section changes from the legal point of view. This means, the new IM has the legal responsibility for the oncoming section.</small>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	CompanyCode												
properties	content simple												
used by	elements LocationPrimaryInformation PlannedJourneyLocation ResponsibilityActualSection ResponsibilityNextSection												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												
annotation	<p>documentation</p> <p>IM Responsible for Reporting. For Path Requests, this element has to be used - in the first journey location (origin of train) - in journey locations (could even be a network border without stopping of the train) in case where the IM on the oncoming section changes from the legal point of view. This means, the new IM has the legal responsibility for the</p>												

	oncoming	section.
source	<pre><xs:element name="ResponsibleIM" type="CompanyCode"> <xs:annotation> <xs:documentation>IM Responsible for Reporting. For Path Requests, this element has to be used - in the first journey location (origin of train) - in journey locations (could even be a network border without stopping of the train) in case where the IM on the oncoming section changes from the legal point of view. This means, the new IM has the legal responsibility for the oncoming </xs:documentation> </xs:annotation> </xs:element></pre>	

element **ResponsibleRU**

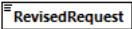
diagram	<p>ResponsibleRU RU Responsible for the physical operation of the train or wagon</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CompanyCode
properties	content simple
used by	elements ConsignmentOrderMessage/COMS/COM/AcceptancePoint ExceptionPoint PlannedJourneyLocation ResponsibilityActualSection ResponsibilityNextSection TrainDelayCauseMessage TrainReadyMessage TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation RU Responsible for the physical operation of the train or wagon
source	<pre><xs:element name="ResponsibleRU" type="CompanyCode"> <xs:annotation> <xs:documentation>RU Responsible for the physical operation of the train wagon</xs:documentation> or </xs:annotation> </xs:element></pre>

element **RestrictionsDueToLoadOrDamage**

diagram	<p>These are possible restrictions applicable in the originating country to shunting operations in stations and to main-line movements on account of the nature of the load. Coding in Restriction Codes (according to UTC Leaflet 920-13)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	RestrictionCodes
used by	element WagonOperationalData
annotation	documentation These are possible restrictions applicable in the originating country to shunting operations in stations and to main-

	line movements on account of the nature of the load. Coding in Restriction Codes (according to UIC Leaflet 920-13)
source	<pre><xs:element name="RestrictionsDueToLoadOrDamage" type="RestrictionCodes"> <xs:annotation> <xs:documentation>These are possible restrictions applicable in the originating country to shunting operations in stations and to main-line movements on account of the nature of the load. Coding in Restriction Codes (according to UIC Leaflet 920-13) </xs:documentation> </xs:annotation> </xs:element></pre>

element RevisedRequest

diagram	 <p>Indication for the IM whether wait because the RU will send a revised request soon or to make an alternative offer.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element PathDetailsRefusedMessage
annotation	documentation Indication for the IM whether wait because the RU will send a revised request soon or to make an alternative offer.
source	<pre><xs:element name="RevisedRequest" type="xs:boolean"> <xs:annotation> <xs:documentation>Indication for the IM whether wait because the RU will send a revised request soon or to make an alternative offer.</xs:documentation> </xs:annotation> </xs:element></pre>

element RID

diagram	<pre> graph LR RID[RID] --> Law[Law] Law --> DangerousGoodsIndication[DangerousGoodsIndication] DangerousGoodsIndication --> TechnicalDescription[TechnicalDescription] TechnicalDescription --> ProperShippingName[ProperShippingName] ProperShippingName --> SpecialProvisionsRID[SpecialProvisionsRID] SpecialProvisionsRID -.-> AdditionalProvisionsRID[AdditionalProvisionsRID] AdditionalProvisionsRID -.-> ActionRequiredFromCarrier[ActionRequiredFromCarrier] ActionRequiredFromCarrier -.-> WeightNettoExplosiveMass[WeightNettoExplosiveMass] WeightNettoExplosiveMass -.-> ClassificationCode[ClassificationCode] ClassificationCode -.-> EmptyPackingCode[EmptyPackingCode] </pre> <p>The requirement (optional/mandatory) of the RID detail tags depend on the dangerous good and the regarding RID regulations. In contrast to the element "DangerousGoodsIndication" which only provides information to be provided to the IM according to chapter 1.4 RID, "RID" contains all information demanded in chapter 5.4 RID in order to provide all information used for RUs.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Law DangerousGoodsIndication TechnicalDescription ProperShippingName SpecialProvisionsRID AdditionalProvisionsRID ActionRequiredFromCarrier WeightNettoExplosiveMass ClassificationCode EmptyPackingCode
used by	element Goods
annotation	<p>documentation</p> <p>The requirement (optional/mandatory) of the RID detail tags depend on the dangerous good and the regarding RID regulations. In contrast to the element "DangerousGoodsIndication" which only provides information to be provided to the IM according to chapter 1.4 RID, "RID" contains all information demanded in chapter 5.4 RID in order to provide all information used for RUs</p>
source	<pre> <xss:element name="RID"> <xss:annotation> <xss:documentation>The requirement (optional/mandatory) of the RID detail tags depend on the dangerous good and the regarding RID regulations. In contrast to the element "DangerousGoodsIndication" which only provides information to be provided to the IM according to chapter 1.4 RID, "RID" contains all information demanded in chapter 5.4 RID in order to provide all information used for RUs</xss:documentation> </pre>

```

</xs:annotation>
<xss:complexType>
  <xss:sequence>
    <xss:element name="Law">
      <xss:annotation>
        <xss:documentation>The law after which the RID data are declared.</xss:documentation>
      </xss:annotation>
      <xss:simpleType>
        <xss:restriction base="xs:int">
          <xss:enumeration value="2013"/>
          <xss:enumeration value="2015"/>
          <xss:enumeration value="2017"/>
          <xss:enumeration value="2019"/>
        </xss:restriction>
      </xss:simpleType>
    </xss:element>
    <xss:element ref="DangerousGoodsIndication"/>
    <xss:element name="TechnicalDescription" minOccurs="0">
      <xss:annotation>
        <xss:documentation>The Technical Description is an approved chemical or biological name and has to be present if the dangerous good has assigned a special provision 274 according to RID chapter 3.2, table A, column 6.</xss:documentation>
      </xss:annotation>
      <xss:simpleType>
        <xss:restriction base="xs:string">
          <xss:minLength value="1"/>
          <xss:maxLength value="350"/>
        </xss:restriction>
      </xss:simpleType>
    </xss:element>
    <xss:element name="ProperShippingName" minOccurs="0">
      <xss:annotation>
        <xss:documentation>The official name of this dangerous good according to the RID chapter 3.2, table A, column 2 Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING"</xss:documentation>
      </xss:annotation>
      <xss:simpleType>
        <xss:restriction base="xs:string">
          <xss:minLength value="1"/>
          <xss:maxLength value="350"/>
        </xss:restriction>
      </xss:simpleType>
    </xss:element>
    <xss:element name="SpecialProvisionsRID" minOccurs="0">
      <xss:annotation>
        <xss:documentation>Used for any global special provisions of chapter 5.4, that are not treated by other elements in this message</xss:documentation>
      </xss:annotation>
      <xss:simpleType>
        <xss:restriction base="xs:string">
          <xss:minLength value="1"/>
          <xss:maxLength value="350"/>
        </xss:restriction>
      </xss:simpleType>
    </xss:element>
  </xss:sequence>
</xss:complexType>

```

	<pre> </xs:element> <xs:element name="AdditionalProvisionsRID" minOccurs="0"> <xs:annotation> <xs:documentation>Used for any class related special provisions of chapter 5.4, that are not treated by other elements in this message</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ActionRequiredFromCarrier" minOccurs="0"> <xs:annotation> <xs:documentation>Special action required by the carrier according to chapter 5.4.1.2.5.2 RID</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="WeightNettoExplosiveMass" minOccurs="0"> <xs:annotation> <xs:documentation>Special provision only necessary and allowed for Class 1 (kg)- the total net mass of explosive substance (RID 5.4.1.2.1).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive value="0"/> <xs:fractionDigits value="1"/> <xs:totalDigits value="8"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ClassificationCode" minOccurs="0"> <xs:annotation> <xs:documentation>The Classification Code of the dangerous good according to the RID chapter 3.2, table A, column 3b. Mandatory for Class 1 - optional, but possibly for all the other classes.</xs:documentation> <xs:documentation>CODE: OTIF RID-Specification</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="4"/> <xs:annotation> <xs:documentation>present only with class 1</xs:documentation> </xs:annotation> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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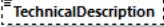
	<pre> </xs:element> <xs:element name="EmptyPackingCode" minOccurs="0"> <xs:annotation> <xs:documentation>Code of empty packing as described in RID 5.4.1.1.6.2</xs:documentation> <xs:documentation>CODE: OTIF RID-Specification, element EMPTY has been added as 'dummy' until the code list has been finished and approved.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="01"> <xs:annotation> <xs:documentation>EMPTY PACKAGING</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="02"> <xs:annotation> <xs:documentation>EMPTY CONTAINER</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="03"> <xs:annotation> <xs:documentation>EMPTY IBC</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="04"> <xs:annotation> <xs:documentation>EMPTY LARGE PACKAGING</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="05"> <xs:annotation> <xs:documentation>EMPTY TANK-VEHICLE</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="06"> <xs:annotation> <xs:documentation>EMPTY TANK-WAGON</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="07"> <xs:annotation> <xs:documentation>EMPTY DETACHABLE TANK</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="08"> <xs:annotation> <xs:documentation>EMPTY DEMOUNTABLE TANK</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="09"> <xs:annotation> <xs:documentation>EMPTY TANK-CONTAINER</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="10"> <xs:annotation> </pre>
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	<pre> <xs:documentation>EMPTY PORTABLE TANK</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>EMPTY BATTERY-VEHICLE</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>EMPTY BATTERY-WAGON</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>EMPTY LARGE CONTAINER WITH MULTIPLE LINKED ELEMENTS</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>EMPTY VEHICLE</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>EMPTY WAGON</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>EMPTY RECEPTACLE le 1000L</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>EMPTY RECEPTACLE gt 1000L</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>EMPTY</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
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element RID/Law

diagram	 Law The law after which the RID data are declared.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:int
properties	content simple
facets	Kind Value Annotation enumeration 2013 enumeration 2015 enumeration 2017 enumeration 2019
annotation	documentation The law after which the RID data are declared.
source	<pre> <xs:element name="Law"> <xs:annotation> <xs:documentation>The law after which the RID data are declared.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:enumeration value="2013"/> <xs:enumeration value="2015"/> <xs:enumeration value="2017"/> <xs:enumeration value="2019"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element RID/TechnicalDescription

diagram	 TechnicalDescription The Technical Description is an approved chemical or biological name and has to be present if the dangerous good has assigned a special provision 274 according to RID chapter 3.2, table A, column 6.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation The Technical Description is an approved chemical or biological name and has to be present if the dangerous good has assigned a special provision 274 according to RID chapter 3.2, table A, column 6.
source	<pre> <xs:element name="TechnicalDescription" minOccurs="0"> <xs:annotation> <xs:documentation>The Technical Description is an approved chemical or biological name and has to be present if the dangerous good has assigned a special provision 274 according to RID chapter 3.2, table A, column 6.</xs:documentation> </xs:annotation> </xs:element></pre>

	<pre>special provision 274 according to RID chapter 3.2, table A, column 6.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element></pre>	<pre>base="xs:string"> value="1"/> value="350"/></pre>
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element RID/ProperShippingName

diagram	 <p>The official name of this dangerous good according to the RID chapter 3.2, table A, column 2 Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING"</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>simple</td></tr> </table>	minOcc	0	maxOcc	1	content	simple			
minOcc	0									
maxOcc	1									
content	simple									
facets	<table> <tr> <td>Kind</td><td>Value</td><td>Annotation</td></tr> <tr> <td>minLength</td><td>1</td><td></td></tr> <tr> <td>maxLength</td><td>350</td><td></td></tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	350	
Kind	Value	Annotation								
minLength	1									
maxLength	350									
annotation	<p>documentation</p> <p>The official name of this dangerous good according to the RID chapter 3.2, table A, column 2 Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING"</p>									
source	<pre><xs:element name="ProperShippingName" minOccurs="0"> <xs:annotation> <xs:documentation>The official name of this dangerous good according to the RID chapter 3.2, table A, column 2 Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING"</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element></pre>									

element RID/SpecialProvisionsRID

diagram	 <p>Used for any global special provisions of chapter 5.4, that are not treated by other elements in this message</p>
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namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:string		
properties	minOcc 0 maxOcc 1 content simple		
facets	Kind Value Annotation minLength 1 maxLength 350		
annotation	documentation Used for any global special provisions of chapter 5.4, that are not treated by other elements in this message		
source	<pre><xs:element name="SpecialProvisionsRID" minOccurs="0"> <xs:annotation> <xs:documentation>Used for any global special provisions of chapter 5.4, that are not treated by other elements in this message</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element></pre>		

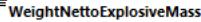
element RID/AdditionalProvisionsRID

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Used for any class related special provisions of chapter 5.4, that are not treated by other elements in this message
source	<pre><xs:element name="AdditionalProvisionsRID" minOccurs="0"> <xs:annotation> <xs:documentation>Used for any class related special provisions of chapter 5.4, that are not treated by other elements in this message</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element RID/ActionRequiredFromCarrier

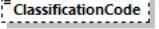
diagram	 ActionRequiredFromCarrier Special action required by the carrier according to chapter 5.4.1.2.5.2 RID
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Special action required by the carrier according to chapter 5.4.1.2.5.2 RID
source	<pre><xs:element name="ActionRequiredFromCarrier" minOccurs="0"> <xs:annotation> <xs:documentation>Special action required by the carrier according to chapter 5.4.1.2.5.2 RID</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element RID/WeightNettoExplosiveMass

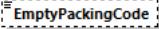
diagram	 WeightNettoExplosiveMass Special provision only necessary and allowed for Class 1 (kg)- the total net mass of explosive substance (RID 5.4.1.2.1).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:decimal
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0 totalDigits 8 fractionDigits 1
annotation	documentation Special provision only necessary and allowed for Class 1 (kg)- the total net mass of explosive substance (RID 5.4.1.2.1).
source	<pre><xs:element name="WeightNettoExplosiveMass" minOccurs="0"> <xs:annotation> <xs:documentation>Special provision only necessary and allowed for Class 1 (kg)- the total net mass of explosive substance (RID 5.4.1.2.1).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive value="0"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

	<pre> <xs:fractionDigits value="1"/> <xs:totalDigits value="8"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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element RID/ClassificationCode

diagram	 <p>The Classification Code of the dangerous good according to the RID chapter 3.2, table A, column 3b. Mandatory for Class 1 - optional, but possibly for all the other classes.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>simple</td></tr> </table>	minOcc	0	maxOcc	1	content	simple			
minOcc	0									
maxOcc	1									
content	simple									
facets	<table> <tr> <td>Kind</td><td>Value</td><td>Annotation</td></tr> <tr> <td>minLength</td><td>1</td><td></td></tr> <tr> <td>maxLength</td><td>4</td><td>documentation present only with class 1</td></tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	4	documentation present only with class 1
Kind	Value	Annotation								
minLength	1									
maxLength	4	documentation present only with class 1								
annotation	<p>documentation</p> <p>The Classification Code of the dangerous good according to the RID chapter 3.2, table A, column 3b. Mandatory for Class 1 - optional, but possibly for all the other classes.</p> <p>documentation</p> <p>CODE: OTIF RID-Specification</p>									
source	<pre> <xs:element name="ClassificationCode" minOccurs="0"> <xs:annotation> <xs:documentation>The Classification Code of the dangerous good according to the RID chapter 3.2, table A, column 3b. Mandatory for Class 1 - optional, but possibly for all the other classes.</xs:documentation> <xs:documentation>CODE: OTIF RID-Specification</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="4"/> <xs:annotation> <xs:documentation>present only with class 1</xs:documentation> </xs:annotation> </xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element RID/EmptyPackingCode

diagram	 <p>Code of empty packing as described in RID 5.4.1.1.6.2</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string

properties	minOcc 0 maxOcc 1 content simple																																																									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>01</td><td>documentation EMPTY PACKAGING</td></tr> <tr><td>enumeration</td><td>02</td><td>documentation EMPTY CONTAINER</td></tr> <tr><td>enumeration</td><td>03</td><td>documentation EMPTY IBC</td></tr> <tr><td>enumeration</td><td>04</td><td>documentation EMPTY LARGE PACKAGING</td></tr> <tr><td>enumeration</td><td>05</td><td>documentation EMPTY TANK-VEHICLE</td></tr> <tr><td>enumeration</td><td>06</td><td>documentation EMPTY TANK-WAGON</td></tr> <tr><td>enumeration</td><td>07</td><td>documentation EMPTY DETACHABLE TANK</td></tr> <tr><td>enumeration</td><td>08</td><td>documentation EMPTY DEMOUNTABLE TANK</td></tr> <tr><td>enumeration</td><td>09</td><td>documentation EMPTY TANK-CONTAINER</td></tr> <tr><td>enumeration</td><td>10</td><td>documentation EMPTY PORTABLE TANK</td></tr> <tr><td>enumeration</td><td>11</td><td>documentation EMPTY BATTERY-VEHICLE</td></tr> <tr><td>enumeration</td><td>12</td><td>documentation EMPTY BATTERY-WAGON</td></tr> <tr><td>enumeration</td><td>13</td><td>documentation EMPTY LARGE CONTAINER WITH MULTIPLE LINKED ELEMENTS</td></tr> <tr><td>enumeration</td><td>14</td><td>documentation EMPTY VEHICLE</td></tr> <tr><td>enumeration</td><td>15</td><td>documentation EMPTY WAGON</td></tr> <tr><td>enumeration</td><td>16</td><td>documentation EMPTY RECEPTACLE le 1000L</td></tr> <tr><td>enumeration</td><td>17</td><td>documentation EMPTY RECEPTACLE gt 1000L</td></tr> <tr><td>enumeration</td><td>18</td><td>documentation EMPTY</td></tr> </tbody> </table>	Kind	Value	Annotation	enumeration	01	documentation EMPTY PACKAGING	enumeration	02	documentation EMPTY CONTAINER	enumeration	03	documentation EMPTY IBC	enumeration	04	documentation EMPTY LARGE PACKAGING	enumeration	05	documentation EMPTY TANK-VEHICLE	enumeration	06	documentation EMPTY TANK-WAGON	enumeration	07	documentation EMPTY DETACHABLE TANK	enumeration	08	documentation EMPTY DEMOUNTABLE TANK	enumeration	09	documentation EMPTY TANK-CONTAINER	enumeration	10	documentation EMPTY PORTABLE TANK	enumeration	11	documentation EMPTY BATTERY-VEHICLE	enumeration	12	documentation EMPTY BATTERY-WAGON	enumeration	13	documentation EMPTY LARGE CONTAINER WITH MULTIPLE LINKED ELEMENTS	enumeration	14	documentation EMPTY VEHICLE	enumeration	15	documentation EMPTY WAGON	enumeration	16	documentation EMPTY RECEPTACLE le 1000L	enumeration	17	documentation EMPTY RECEPTACLE gt 1000L	enumeration	18	documentation EMPTY
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annotation	<p>documentation Code of empty packing as described in RID 5.4.1.1.6.2 documentation CODE: OTIF RID-Specification, element EMPTY has been added as 'dummy' until the code list has been finished and approved.</p>																																																									
source	<pre> <xs:element name="EmptyPackingCode" minOccurs="0"> <xs:annotation> <xs:documentation>Code of empty packing as described in RID 5.4.1.1.6.2</xs:documentation> <xs:documentation>CODE: OTIF RID-Specification, element EMPTY has been added as 'dummy' until the code list has been finished and approved.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="01"> <xs:annotation> <xs:documentation>EMPTY PACKAGING</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="02"> <xs:annotation> </pre>																																																									

	<pre> </xs:enumeration> <xs:enumeration value="14"> <xs:annotation> <xs:documentation>EMPTY VEHICLE</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="15"> <xs:annotation> <xs:documentation>EMPTY WAGON</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="16"> <xs:annotation> <xs:documentation>EMPTY RECEPACLE le 1000L</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="17"> <xs:annotation> <xs:documentation>EMPTY RECEPACLE gt 1000L</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="18"> <xs:annotation> <xs:documentation>EMPTY</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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element **RollingRoadUnit**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	RollingRoadUnitDetails Goods SummaryOfGoodsWithSameRID
used by	element Wagons
annotation	documentation Describes the type and content of a Rolling road unit
source	<pre> <xs:element name="RollingRoadUnit"> <xs:annotation> <xs:documentation>Describes the type and content of a Rolling road unit</xs:documentation> </xs:annotation> </pre>

	<pre> <xs:complexType> <xs:sequence> <xs:element name="RollingRoadUnitDetails"> <xs:annotation> <xs:documentation>Details for Rolling Road units on wagon</xs:documentation> </xs:annotation> </xs:element> <xs:complexType> <xs:sequence> <xs:element ref="LoadingStatus"/> <xs:element name="RollingRoadUnitType" default="HGZ" minOccurs="0"> <xs:annotation> <xs:documentation>Type of Rolling Road unit on Wagon</xs:documentation> <xs:documentation>CODE:</xs:documentation> <xs:documentation>READ:
 - Consignee</xs:documentation> <xs:documentation>WRITE:
 - Consignor</xs:documentation> <xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="3"/> <xs:enumeration value="HGZ"> <xs:annotation> <xs:documentation>articulated lorry</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="SAL"> <xs:annotation> <xs:documentation>semi-trailer</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="MW"> <xs:annotation> <xs:documentation>motor vehicle</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="ANH"> <xs:annotation> <xs:documentation>trailer</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Vehicles" minOccurs="0" maxOccurs="2"> <xs:annotation> <xs:documentation>List of vehicles loaded (i.e. truck and trailer).</xs:documentation> </xs:annotation> </xs:element> <xs:complexType> <xs:sequence> <xs:element name="NumberPlate"> <xs:annotation> </pre>
--	---

	<p style="text-indent: -2em; padding-left: 2em;"><xs:documentation>Number plate of the vehicle.</xs:documentation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:documentation>READ:
</p> <p style="text-indent: -2em; padding-left: 2em;">Consignee</xs:documentation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:documentation>WRITE:
</p> <p style="text-indent: -2em; padding-left: 2em;">Consignor</xs:documentation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:annotation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:simpleType></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:restriction></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:maxLength></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:minLength></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:restriction></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:simpleType></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:element></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:element ref="CountryCodeISO"/></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:sequence></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:complexType></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:element></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:element name="TareWeightVehicle" type="WeightValueKilo"></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:annotation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:documentation>Total weight [kg] of vehicle (truck and trailer).</xs:documentation></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:annotation></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:element></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:element name="Haulier" minOccurs="0"></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:annotation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:documentation>Information concerning the haulier.</xs:documentation></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:annotation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:complexType></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:sequence></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:element ref="Name"></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:annotation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:documentation>Name of haulier.</xs:documentation></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:annotation></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:element></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:element ref="CountryCodeISO"/></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:sequence></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:complexType></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:element></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:element name="Attendants" minOccurs="0" maxOccurs="2"></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:annotation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:documentation>Attendants during the transport.</xs:documentation></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:annotation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:complexType></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:sequence></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:element name="LastName"></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:annotation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:documentation>Last name of attendant.</xs:documentation></p> <p style="text-indent: -2em; padding-left: 2em;"></xs:annotation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:documentation>READ:
</p> <p style="text-indent: -2em; padding-left: 2em;">Consignee</xs:documentation></p> <p style="text-indent: -2em; padding-left: 2em;"><xs:documentation>WRITE:
</p> <p style="text-indent: -2em; padding-left: 2em;">Consignor</xs:documentation></p>
--	--

	<pre> <xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="FirstName" minOccurs="0"> <xs:annotation> <xs:documentation>Optional first name of the attendant.</xs:documentation> <xs:documentation>READ:
 -
 </pre>
--	--

element **RollingRoadUnit/RollingRoadUnitDetails**

diagram	<pre> classDiagram class RollingRoadUnitDetails { <<Details for Rolling Road units on wagon>> } class LoadingStatus { <<Loading status of the equipment. 0=Empty, 1=Loaded>> } class RollingRoadUnitType { <<Type of Rolling Road unit on Wagon>> } class Vehicles { <<List of vehicles loaded (i.e. truck and trailer).>> } class TareWeightVehicle { <<Total weight [kg] of vehicle (truck and trailer).>> } class Haulier { <<Information concerning the haulier.>> } class Attendants { <<Attendants during the transport.>> } RollingRoadUnitDetails "0..2" -- "0..2" LoadingStatus RollingRoadUnitDetails "0..2" -- "0..2" RollingRoadUnitType RollingRoadUnitDetails "0..2" -- "0..2" Vehicles RollingRoadUnitDetails "0..2" -- "0..2" TareWeightVehicle RollingRoadUnitDetails "0..2" -- "0..2" Haulier RollingRoadUnitDetails "0..2" -- "0..2" Attendants </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LoadingStatus RollingRoadUnitType Vehicles TareWeightVehicle Haulier Attendants
annotation	<p>documentation</p> <p>Details for Rolling Road units on wagon</p>
source	<pre> <xss:element name="RollingRoadUnitDetails"> <xss:annotation> <xss:documentation>Details for Rolling Road units on wagon</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="LoadingStatus"/> <xss:element name="RollingRoadUnitType" default="HGZ" minOccurs="0"> <xss:annotation> <xss:documentation>Type of Rolling Road unit on Wagon</xss:documentation> <xss:documentation>CODE:</xss:documentation> <xss:documentation>READ:
 - Consignee</xss:documentation> <xss:documentation>WRITE:
 - Consignor</xss:documentation> <xss:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction base="xs:string"> <xss:minLength value="1"/> <xss:maxLength value="3"/> <xss:enumeration value="HGZ"> <xss:annotation> <xss:documentation>articulated lorry</xss:documentation> </xss:annotation> </xss:enumeration> <xss:enumeration value="SAL"> <xss:annotation> <xss:documentation>semi-trailer</xss:documentation> </xss:annotation> </xss:enumeration> </xss:restriction> </xss:simpleType> </xss:element> </xss:sequence> </xss:complexType> </xss:element> </pre>

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    <xs:annotation>
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    </xs:annotation>
</xs:enumeration>
<xs:enumeration value="ANH">
    <xs:annotation>
        <xs:documentation>trailer</xs:documentation>
    </xs:annotation>
</xs:enumeration>
</xs:restriction>
</xs:simpleType>
</xs:element>
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    </xs:annotation>
    <xs:complexType>
        <xs:sequence>
            <xs:element name="NumberPlate">
                <xs:annotation>
                    <xs:documentation>Number plate of the vehicle.</xs:documentation>
                    <xs:documentation>READ: <br/> - Consignee</xs:documentation>
                    <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
                    <xs:documentation>AMEND: <br/> - Contractual carrier <br/> - Successive carrier<br/> (With the agreement of the consignor)</xs:documentation>
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        <xs:element name="TareWeightVehicle" type="WeightValueKilo">
            <xs:annotation>
                <xs:documentation>Total weight [kg] of vehicle (truck and trailer).</xs:documentation>
            </xs:annotation>
        </xs:element>
        <xs:element name="Haulier" minOccurs="0">
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                <xs:documentation>Information concerning the haulier.</xs:documentation>
            </xs:annotation>
            <xs:complexType>
                <xs:sequence>
                    <xs:element ref="Name">
                        <xs:annotation>
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                        </xs:annotation>
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	<pre> </xs:annotation> </xs:element> <xs:element ref="CountryCodeISO"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="Attendants" minOccurs="0" maxOccurs="2"> <xs:annotation> <xs:documentation>Attendants during the transport.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="LastName"> <xs:annotation> <xs:documentation>Last name of attendant.</xs:documentation> <xs:documentation>READ:
 - Consignee</xs:documentation> <xs:documentation>WRITE:
 - Consignor</xs:documentation> <xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="25"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="FirstName" minOccurs="0"> <xs:annotation> <xs:documentation>Optional first name of the attendant.</xs:documentation> <xs:documentation>READ:
 - Consignee</xs:documentation> <xs:documentation>WRITE:
 - Consignor</xs:documentation> <xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="15"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element RollingRoadUnit/RollingRoadUnitDetails/RollingRoadUnitType

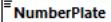
diagram																						
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																					
type	restriction of xs:string																					
properties	<p>minOcc 0 maxOcc 1 content simple default HGZ</p>																					
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>HGZ</td> <td>documentation articulated lorry</td> </tr> <tr> <td>enumeration</td> <td>SAL</td> <td>documentation semi-trailer</td> </tr> <tr> <td>enumeration</td> <td>MW</td> <td>documentation motor vehicle</td> </tr> <tr> <td>enumeration</td> <td>ANH</td> <td>documentation trailer</td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	3		enumeration	HGZ	documentation articulated lorry	enumeration	SAL	documentation semi-trailer	enumeration	MW	documentation motor vehicle	enumeration	ANH	documentation trailer
Kind	Value	Annotation																				
minLength	1																					
maxLength	3																					
enumeration	HGZ	documentation articulated lorry																				
enumeration	SAL	documentation semi-trailer																				
enumeration	MW	documentation motor vehicle																				
enumeration	ANH	documentation trailer																				
annotation	<p>documentation Type of Rolling Road unit on Wagon documentation CODE: documentation READ:
 - Consignee documentation WRITE:
 - Consignor documentation AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</p>																					
source	<pre> <xs:element name="RollingRoadUnitType" default="HGZ" minOccurs="0"> <xs:annotation> <xs:documentation>Type of Rolling Road unit on Wagon</xs:documentation> <xs:documentation>CODE:</xs:documentation> <xs:documentation>READ:
 - Consignee</xs:documentation> <xs:documentation>WRITE:
 - Consignor</xs:documentation> <xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="3"/> <xs:enumeration value="HGZ"> <xs:annotation> <xs:documentation>articulated lorry</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="SAL"> <xs:annotation> <xs:documentation>semi-trailer</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="MW"> <xs:annotation> <xs:documentation>motor vehicle</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>																					

	<pre> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>trailer</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>	<code>value="ANH"></code>
--	--	------------------------------

element **RollingRoadUnit/RollingRoadUnitDetails/Vehicles**

diagram	<p>Diagram illustrating the relationship between the 'Vehicles' element and its components:</p> <ul style="list-style-type: none"> The 'Vehicles' element is a sequence of 0..2 vehicles. Each vehicle has a 'NumberPlate' (number plate of the vehicle). Each vehicle is associated with a 'CountryCodeISO' (Identifies a Country or State by code (ISO 3166-1)).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 2 content complex
children	NumberPlate CountryCodeISO
annotation	<p>documentation</p> <p>List of vehicles loaded (i.e. truck and trailer).</p>
source	<pre> <xs:element name="Vehicles" minOccurs="0" maxOccurs="2"> <xs:annotation> <xs:documentation>List of vehicles loaded (i.e. truck and trailer).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:annotation> name="NumberPlate"> <xs:documentation>Number plate of the vehicle.</xs:documentation> <xs:documentation>READ:
 - Consignee</xs:documentation> <xs:documentation>WRITE:
 - Consignor</xs:documentation> <xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength <xs:minLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element <xs:sequence> <xs:complexType> <xs:element ref="CountryCodeISO"/> </pre>

element **RollingRoadUnit/RollingRoadUnitDetails/Vehicles/NumberPlate**

diagram	 NumberPlate Number plate of the vehicle.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 10
annotation	documentation Number plate of the vehicle. documentation READ: - Consignee documentation WRITE: - Consignor documentation AMEND: - Contractual carrier - Successive carrier (With the agreement of the consignor)
source	<pre> <xs:element name="NumberPlate"> <xs:annotation> <xs:documentation>Number plate of the vehicle.</xs:documentation> <xs:documentation>READ:
 - Consignee</xs:documentation> <xs:documentation>WRITE:
 - Consignor</xs:documentation> <xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="10"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **RollingRoadUnit/RollingRoadUnitDetails/TareWeightVehicle**

diagram	 TareWeightVehicle Total weight [kg] of vehicle (truck and trailer).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	WeightValueKilo
properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Total weight [kg] of vehicle (truck and trailer).
source	<pre> <xs:element name="TareWeightVehicle" type="WeightValueKilo"> <xs:annotation> <xs:documentation>Total weight [kg] of vehicle (truck and trailer).</xs:documentation> </xs:annotation> </pre>

	<code></xs:element></code>
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element **RollingRoadUnit/RollingRoadUnitDetails/Haulier**

diagram	<p>Haulier</p> <p>Information concerning the haulier.</p> <p>Name</p> <p>Name of haulier.</p> <p>CountryCodeISO</p> <p>Identifies a County or State by code (ISO 3166-1)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	Name CountryCodeISO
annotation	documentation Information concerning the haulier.
source	<pre> <xs:element name="Haulier" minOccurs="0"> <xs:annotation> <xs:documentation>Information concerning the haulier.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Name"> <xs:annotation> <xs:documentation>Name of haulier.</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="CountryCodeISO"> <xs:annotation> <xs:documentation>Identifies a County or State by code (ISO 3166-1)</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **RollingRoadUnit/RollingRoadUnitDetails/Attendants**

diagram	<p>Attendants</p> <p>0..2</p> <p>Attendants during the transport.</p> <p>LastName</p> <p>Last name of attendant.</p> <p>FirstName</p> <p>Optional first name of the attendant.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 2 content complex
children	LastName FirstName
annotation	documentation Attendants during the transport.
source	<pre> <xs:element name="Attendants" minOccurs="0" maxOccurs="2"> <xs:annotation> <xs:documentation>Attendants during the transport.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="LastName"> <xs:annotation> <xs:documentation>Last name of attendant.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="FirstName"> <xs:annotation> <xs:documentation>Optional first name of the attendant.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

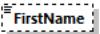
	<pre> <xs:annotation> <xs:documentation>Last name of attendant.</xs:documentation> <xs:documentation>READ:
 - Consignee</xs:documentation> <xs:documentation>WRITE:
 - Consignor</xs:documentation> <xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="FirstName" minOccurs="0"> <xs:annotation> <xs:documentation>Optional first name of the attendant.</xs:documentation> <xs:documentation>READ:
 - Consignee</xs:documentation> <xs:documentation>WRITE:
 - Consignor</xs:documentation> <xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element **RollingRoadUnit/RollingRoadUnitDetails/Attendants/LastName**

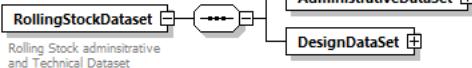
diagram	 Last name of attendant.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 25
annotation	documentation Last name of attendant. documentation READ: - Consignee documentation WRITE: - Consignor documentation AMEND: - Contractual carrier - Successive carrier (With the agreement of the consignor)

source	<pre> <xs:element name="LastName"> <xs:annotation> <xs:documentation>Last name of attendant.</xs:documentation> <xs:documentation>READ:
 - Consignee</xs:documentation> <xs:documentation>WRITE:
 - Consignor</xs:documentation> <xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="25"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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element **RollingRoadUnit/RollingRoadUnitDetails/Attendants/FirstName**

diagram	 <p>Optional first name of the attendant.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 15
annotation	documentation Optional first name of the attendant. documentation READ: - Consignee documentation WRITE: - Consignor documentation AMEND: - Contractual carrier - Successive carrier (With the agreement of the consignor)
source	<pre> <xs:element name="FirstName" minOccurs="0"> <xs:annotation> <xs:documentation>Optional first name of the attendant.</xs:documentation> <xs:documentation>READ:
 - Consignee</xs:documentation> <xs:documentation>WRITE:
 - Consignor</xs:documentation> <xs:documentation>AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="15"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **RollingStockDataset**

diagram	 Rolling Stock administrative and Technical Dataset
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	AdministrativeDataSet DesignDataSet
used by	elements RollingStockDatasetMessage WIMO Dataset
annotation	documentation Rolling Stock administrative and Technical Dataset
source	<pre> <xs:element name="RollingStockDataset"> <xs:annotation> <xs:documentation>Rolling Stock administrative and Technical Dataset</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="AdministrativeDataSet"> <xs:complexType> <xs:sequence> <xs:element ref="WagonNumberFreight"/> <xs:element name="PreviousWagonNumberFreight" type="WagonIdent" minOccurs="0"> <xs:annotation> <xs:documentation>For identification of a wagon after renumbering</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RegistrationCountry" type="CountryIdentISO"> <xs:annotation> <xs:documentation>ISO country code of registration country</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DatePutIntoService"> <xs:annotation> <xs:documentation>Date of first operation</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AuthorisationValidUntil" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>End date for restricted authorisation case)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="SuspensionOfAuthorisation" type="xs:boolean"> <xs:annotation> <xs:documentation>Information if authorisation has been suspended by the authority</xs:documentation> </xs:annotation> </xs:element> <xs:element name="DateSuspensionOfAuthorisation" type="xs:date" minOccurs="0"> </pre>
(special	
suspended	

	<pre> <xs:annotation> <xs:documentation>Date of the suspension of authorisation; must be provided in case of suspension</xs:documentation> </xs:annotation> </xs:element> <xs:element name="MultilateralAuthorisationCountries" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation> ISO country code of countries where the wagon is authorised (applies only in case of limited interoperability); first entry indicates the initial authorisation country</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ChannelTunnelPermitted" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>Indication if wagon is allowed to pass the Channel Tunnel - if the transport is planned between UK and France and should use Eurotunnel infrastructure.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="QuieterRoutesExemptionCountry" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>ISO code of country where the wagon has an exemption in accordance with TSI Noise to run on quieter routes although it is not TSI noise compliant</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="KeeperShortNameVKM"> <xs:annotation> <xs:documentation>Vehicle Keeper Marking of the wagon keeper as listed in VKM register (http://www.era.europa.eu/Document-Register/Pages/list-VKM.aspx, column B - without special characters)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ECM"> <xs:annotation> <xs:documentation> Full name of the assigned Entity in Charge of Maintenance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:maxLength base="xs:string" value="256"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="PlannedChangeOfECM" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="CurrentECMAssignedUntil" type="xs:date"> <xs:annotation> <xs:documentation> Date until the current Entity in Charge of Maintenance is assigned to the wagon</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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	<pre> <xs:annotation> <xs:documentation> Full name of the following Entity in of Maintenance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="ECMCertificate"> <xs:annotation> <xs:documentation> ECM information</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="EINNumber"> <xs:annotation> <xs:documentation> ECM certificate reference number NOTE: this is a placeholder! CR 335 by ERA is containing this element and its full description and code lists.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="CountryCodeISO"/> <xs:element name="TypeDocumentEIN" type="Numeric2- 2"> <xs:annotation> <xs:documentation> Code List Candidate: 31, </xs:annotation> </xs:element> <xs:element name="CounterAcreditedRecognizedBody" type="Numeric2-2"/> <xs:element name="EINYear" type="Numeric2-2"/> <xs:element name="EINCounter"> <xs:simpleType> <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="ECMCertificateValidFrom" type="xs:date"> <xs:annotation> <xs:documentation> Certificate valid from date</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ECMCertificateValidTo" type="xs:date"> <xs:annotation> </pre>
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	<pre> <xs:documentation>Certificate valid to date</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CoversTankWagonsForDangerousGoods" type="xs:boolean"> <xs:annotation> <xs:documentation>Certificate covers tank wagons for goods</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CoversNonTankWagonsForDangerousGoods" type="xs:boolean"> <xs:annotation> <xs:documentation>Certificate covers other wagons specialised in transport of dangerous goods</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ECMCertificateSuspended" type="xs:boolean"> <xs:annotation> <xs:documentation>Identification if certificate has been suspended for any reason</xs:documentation> </xs:annotation> </xs:element> <xs:element name="DateECMCertificateSuspended" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Date of the suspension of the ECM certificate; must be provided in case of suspension</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="InteropCapability" type="xs:string"> <xs:annotation> <xs:documentation>Identification of the general interoperability capability of the wagon. The following values/codes are proposed for the usage (defined in the InteropCapabilityCode):</xs:documentation> </xs:annotation> <xs:enumeration value="01" name="NationalGrid"><!-- National Grid --> <xs:enumeration value="02" name="Bi-/Multilateral"><!-- Bi-/Multilateral (with agreement or authorisation grid) --> <xs:enumeration value="03" name="RIV"><!-- RIV --> <xs:enumeration value="05" name="TEN"><!-- TEN --> <xs:enumeration value="06" name="TEN-GE"><!-- TEN-GE --> <xs:enumeration value="07" name="TEN-CW"><!-- TEN-CW --> <xs:enumeration value="08" name="TEN"><!-- TEN --> </xs:enumeration> </xs:element> <xs:element name="GCUWagon" type="xs:boolean"> <xs:annotation> <xs:documentation>Indication if wagon is operated under the GCU</xs:documentation> </xs:annotation> </xs:element> </pre>
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	GCU	<pre> contract</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="DesignDataSet"> <xs:complexType> <xs:sequence> <xs:element name="LetterMarking"> <xs:annotation> <xs:documentation>Complete wagon category letter code. The Identification marking for freight rolling stock (wagon type) is defined in UIC Leaflet 438-2</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="TankCode" minOccurs="0"> <xs:annotation> <xs:documentation>Tank code (applies only for tank wagons). The codes are defined in the RID regulation, chapter 4.3.3 and 4.3.4.1.1</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="WagonNumberOfAxles" /> <xs:element name="WheelSetType" minOccurs="0"> <xs:annotation> <xs:documentation>Type name of the wheel sets, and the name of the type depends on the manufacturer.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="WheelDiameter" minOccurs="0" /> <xs:element ref="WheelsetGauge" minOccurs="0" / maxOccurs="unbounded"/> <xs:element ref="WheelSetTransformationMethod" minOccurs="0" /> <xs:element ref="NumberOfBogies" minOccurs="0" /> <xs:annotation> <xs:documentation>Number of bogies for a wagon (applies for wagons only)</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="BogiePitch" minOccurs="0" /> <xs:element name="BogiePivotPitch" type="Numeric1-5" minOccurs="0" /></pre>
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	<pre> <xs:annotation> <xs:documentation>Largest distance between two adjacent bogie in mm</xs:documentation> </xs:annotation> </xs:element> <xs:element name="InnerWheelbase" type="Numeric1-5"> <xs:annotation> <xs:documentation>Maximum distance between two adjacent in mm</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="CouplingType" minOccurs="0"/> <xs:element name="BufferType" minOccurs="0"> <xs:annotation> <xs:documentation> Classification of buffer. The following values are mostly used in the sector.: A, AX, B, C, CX, L0 (130), L0 (150), L2 (130), L2 (150), L4 (130), L4 (150)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength base="xs:string" value="256"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="NormalLoadingGauge" minOccurs="0"/> <xs:element <xs:annotation> <xs:documentation> Minimum allowed curve radius due to design characteristics, measured in meters</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="MinVerticalRadiusYardHump" minOccurs="0"/> <xs:element <xs:annotation> <xs:documentation>Weight of the empty wagon (tara weight) in kg</xs:documentation> </xs:annotation> </xs:element> <xs:element <xs:annotation> <xs:documentation>Indicates the load tables marked on the wagon. When load tables are marked on the wagon the information must be provided in the RSRD message. Several load tables (international, product specific for LPG wagons and additional/country specific) can be specified by providing the element several times consecutively. For special wagons with specific load tables (e.g. heavy haul wagons) no load table need to be provided. The complete load table must be provided including the empty load row (if existent).</xs:documentation> </xs:annotation> </xs:element> <xs:complexType> <xs:sequence> <xs:element name="LoadTableProduct" minOccurs="0"> <xs:annotation></pre>
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	<pre> product-specific <xs:documentation>Product description, only applies for load tables</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ProductUNCode" type="Numeric4-4"> <xs:annotation> <xs:documentation>UN code of product if product load table</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ProductRIDName"> <xs:annotation> <xs:documentation> RID product name as written on folding panel</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="LoadTableCountry" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>ISO country code of countries for load tables</xs:documentation> </xs:annotation> </xs:element> <xs:element name="SpeedCategory" type="Numeric1-5" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Numeric speed in load table, without empty in km/h</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="LoadTableStars" minOccurs="0"> <xs:annotation> <xs:documentation>Number of load table stars. Currently values/codes: 1 = Authorised to run loaded in trains up to 100 km/h with a brake that does not meet all the requirements for 100 km/h conditions 2 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet all the requirements for 120 km/h conditions 3 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet all the requirements for 120 km/h conditions. Wagon is fitted with an automatic load-proportional braking system. </xs:documentation> </xs:annotation> </xs:element> <xs:element name="RouteClassPayloads" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element ref="RouteClass"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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	<pre> <xs:element name="MaxPayload" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Maximum payload in tonnes of line category; number of entries must fit to number of entries in SpeedCategory</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="4"/> <xs:fractionDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="MaxDesignSpeed"/> <xs:element ref="AirBrake"/> <xs:element ref="HandBrake"/> <xs:element documentation="Characteristics of hand brake"> <xs:annotation> <xs:documentation>Characteristics of hand brake</xs:documentation> </xs:annotation> <xs:element type="DerailmentDetectionDevice"> <xs:element name="BrakeBlock" minOccurs="0"> <xs:annotation> <xs:documentation>Characteristics of brake blocks</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="BrakeBlockName" minOccurs="0"> <xs:annotation> <xs:documentation>Name of the brake block type, including the length in mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="CompositeBrakeBlockRetrofitted" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation> Indication if composite brake blocks are retrofitted or originally equipped</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CompositeBrakeBlockInstallationDate" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Date of composite brake block </pre>
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installation, for originally equipped wagon = date put into service</xs:documentation>

</xs:annotation>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

<xs:element name="WagonTelematics" type="WagonTelematics" minOccurs="0">

<xs:annotation>

<xs:documentation xml:lang="en">Information about telematics devices mounted on the wagon.</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element ref="MaxLengthOfLoad" minOccurs="0">

<xs:annotation>

<xs:documentation> Maximum length of the load measured in mm </xs:documentation>

</xs:annotation>

</xs:element>

<xs:element ref="LoadArea" minOccurs="0"/>

<xs:element name="HeightOfLoadingPlaneUnladen" type="Numeric1-5" minOccurs="0">

<xs:annotation>

<xs:documentation>Height of the loading plane when wagon is empty measured in mm</xs:documentation>

</xs:annotation>

</xs:element>

<xs:element name="RemovableAccessories" minOccurs="0" maxOccurs="unbounded">

<xs:complexType>

<xs:sequence>

<xs:element ref="TypeOfRemovableAccessories">

<xs:annotation>

<xs:documentation>Specification of removable accessory. TypeOfRemovableAccessories code list is used. Values refer to UIC Leaflet 920-13:

01 = Removable stanchion

02 = Removable side flap of flat wagon

03 = Removable end flap of flat wagon

04 = Removable side rail

05 = Removable intermediate upright for securing the load

06 = Stanchion chain

07 = Removable handle and wheel for winch on car-carrying wagon

08 = Swivelling bolster (with stanchions)

09 = Coupling rod (rigid coupling)

10 = Ice bunker

11 = Ice bunker screen

12 = Ice bunker frame

13 = Trestle or bar with hooks for hanging meat

14 = Movable cross-member of wagon with low loading plane

15 = Removable support

16 = Mooring cross-member on wagon for special loads

17 = Movable floor panel on wagon for special loads

18 = Scotch

19 = Skid bar with or without shoes on car-carrying wagon

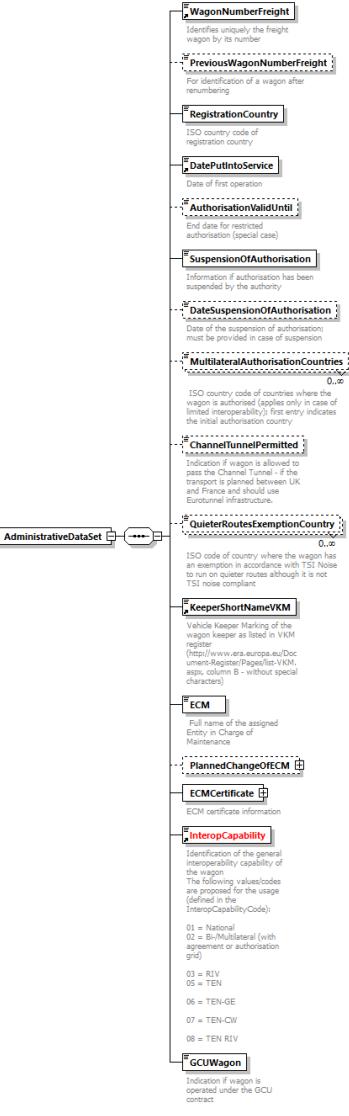
20 = Mooring strap on car-carrying wagon

21 = Beam for movable ramp on car-carrying wagon

	<pre> 22 = Spare heating half-coupling 23 = Fire extinguisher 24 = Wheel scotches (for cars) on car-carrying wagon 25 = Gangway loading ramp on car-carrying wagon 26 = Metal cradles for rolls of metal sheeting 27 = Panel for covering markings 28 = Loading frame for special types of goods 29 = Headstock for "rolling" roads" 99 = Other wagon accessories </xs:documentation> </xs:annotation> </xs:element> <xs:element name="NumberOfAccessoriesOfType" type="Numeric2-2"> <xs:annotation> <xs:documentation>Number of specified accessory equipped on the wagon</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="LoadingCapacity" minOccurs="0"/> <xs:element ref="MaxGrossWeight"> <xs:annotation> <xs:documentation>Weight of max Gross Load Weight plus the tare weight of the equipment in kg</xs:documentation> </xs:annotation> </xs:element> <xs:element name="VapourReturnSystem" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>Indication if tank wagon is equipped with a vapour return system</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="FerryPermittedFlag" minOccurs="0"> <xs:annotation> <xs:documentation> Indication if wagon is permitted to be used on ferries</xs:documentation> </xs:annotation> </xs:element> <xs:element name="FerryRampAngle" minOccurs="0"> <xs:annotation> <xs:documentation>Maximum allowed angle of the ferry ramp (in grades:</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="3"/> <xs:fractionDigits value="2"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="TemperatureRange" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:annotation></pre>
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	<pre> <xs:documentation>Temperature Range</xs:documentation> </xs:annotation> <xs:element <xs:element </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="TechnicalForwardingRestrictions" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Restrictions relevant to wagon operations in train formation, yards or in trains due to design characteristics. Type will be the RestrictionCode instead of ForwardingRestrictionType, according to 920-13: annotation will carry the information that only thechnical parameters are allowed to be used here. Only the code numbers should be in the annotation</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DateLastOverhaul"> <xs:annotation> <xs:documentation>Date of the last overhaul, if yet no date of putting into service</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="OverhaulValidityPeriod"/> <xs:element ref="PermittedTolerance"/> <xs:element ref="PlannedDateNextOverhaul" minOccurs="0"/> <xs:element name="DateOfNextTankInspection" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Date of the next tank inspection, applies for tank wagons</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
overhaul	
only	

element RollingStockDataset/AdministrativeDataSet

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	WagonNumberFreight PreviousWagonNumberFreight RegistrationCountry DatePutIntoService AuthorisationValidUntil SuspensionOfAuthorisation DateSuspensionOfAuthorisation MultilateralAuthorisationCountries ChannelTunnelPermitted QuieterRoutesExemptionCountry KeeperShortNameVKM ECM PlannedChangeOfECM ECMCertificate InteropCapability GCUWagon
source	<pre> <xs:element name="AdministrativeDataSet"> <xs:complexType> <xs:sequence> <xs:element ref="WagonNumberFreight"/> <xs:element name="PreviousWagonNumberFreight" type="WagonIdent" minOccurs="0"> <xs:annotation> <xs:documentation>For identification of a wagon after renumbering</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RegistrationCountry" type="CountryIdentISO"> <xs:annotation> </pre>

	<p><xs:documentation>ISO country code of the registration country</xs:documentation></p> <p></xs:annotation></p> <p></xs:element></p> <p><xs:element ref="DatePutIntoService"></p> <p><xs:annotation></p> <p><xs:documentation>Date of first operation</xs:documentation></p> <p></xs:annotation></p> <p></xs:element></p> <p><xs:element name="AuthorisationValidUntil" type="xs:date" minOccurs="0"></p> <p><xs:annotation></p> <p><xs:documentation>End date for restricted authorisation (special case)</xs:documentation></p> <p></xs:annotation></p> <p></xs:element></p> <p><xs:element name="SuspensionOfAuthorisation" type="xs:boolean"></p> <p><xs:annotation></p> <p><xs:documentation>Information if authorisation has been suspended by the authority</xs:documentation></p> <p></xs:annotation></p> <p></xs:element></p> <p><xs:element name="DateSuspensionOfAuthorisation" type="xs:date" minOccurs="0"></p> <p><xs:annotation></p> <p><xs:documentation>Date of the suspension of authorisation; must be provided in case of suspension</xs:documentation></p> <p></xs:annotation></p> <p></xs:element></p> <p><xs:element name="MultilateralAuthorisationCountries" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded"></p> <p><xs:annotation></p> <p><xs:documentation>ISO country code of countries where the wagon is authorised (applies only in case of limited interoperability); first entry indicates the initial authorisation country</xs:documentation></p> <p></xs:annotation></p> <p></xs:element></p> <p><xs:element name="ChannelTunnelPermitted" type="xs:boolean" minOccurs="0"></p> <p><xs:annotation></p> <p><xs:documentation>Indication if wagon is allowed to pass the Channel Tunnel - if the transport is planned between UK and France and should use Eurotunnel infrastructure.</xs:documentation></p> <p></xs:annotation></p> <p></xs:element></p> <p><xs:element name="QuieterRoutesExemptionCountry" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded"></p> <p><xs:annotation></p> <p><xs:documentation>ISO code of country where the wagon has an exemption in accordance with TSI Noise to run on quieter routes although it is not TSI noise compliant</xs:documentation></p> <p></xs:annotation></p> <p></xs:element></p> <p><xs:element ref="KeeperShortNameVKM"></p> <p><xs:annotation></p> <p><xs:documentation>Vehicle Keeper Marking of the wagon keeper as listed in VKM register (http://www.era.europa.eu/Document-Register/Pages/list-VKM.aspx, column B - without special</p>
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	<pre> characters)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ECM"> <xs:annotation> <xs:documentation> Full name of the assigned Entity in Charge of Maintenance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="PlannedChangeOfECM" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="CurrentECMAssignedUntil" type="xs:date"> <xs:annotation> <xs:documentation> Date until the current Entity in Charge of Maintenance is assigned to the wagon</xs:documentation> </xs:annotation> </xs:element> <xs:element name="SubsequentECM"> <xs:annotation> <xs:documentation> Full name of the following Entity in Charge of Maintenance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="ECMCertificate"> <xs:annotation> <xs:documentation> ECM certificate information</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="EINNumber"> <xs:annotation> <xs:documentation> ECM certificate reference number</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre> <p>NOTE: this is a placeholder! CR 335 by ERA is containing this element and its full description and code lists.</xs:documentation></p> <p>31,</p>
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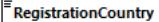
	<pre> <xs:element name="CounterAcreditedRecognizedBody" type="Numeric2-2"/> <xs:element name="EINYear" type="Numeric2-2"/> <xs:element <xs:simpleType> <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="ECMCertificateValidFrom" type="xs:date"> <xs:annotation> <xs:documentation>Certificate valid from date</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ECMCertificateValidTo" type="xs:date"> <xs:annotation> <xs:documentation>Certificate valid to date</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CoversTankWagonsForDangerousGoods" type="xs:boolean"> <xs:annotation> <xs:documentation>Certificate covers tank wagons for dangerous goods</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CoversNonTankWagonsForDangerousGoods" type="xs:boolean"> <xs:annotation> <xs:documentation>Certificate covers other wagons specialised in transport of dangerous goods</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ECMCertificateSuspended" type="xs:boolean"> <xs:annotation> <xs:documentation>Identification if certificate has been suspended for any reason</xs:documentation> </xs:annotation> </xs:element> <xs:element name="DateECMCertificateSuspended" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Date of the suspension of the ECM certificate; must be provided in case of suspension</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="InteropCapability"> <xs:annotation> </pre>
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	<p style="color: red;"><xs:documentation>Identification of the general interoperability capability of the wagon</p> <p>The following values/codes are proposed for the usage (defined in the InteropCapabilityCode):</p> <table border="0"> <tr><td>01</td><td>=</td><td>National</td></tr> <tr><td>02</td><td>= Bi-/Multilateral (with agreement or authorisation grid)</td><td></td></tr> <tr><td>03</td><td>=</td><td>RIV</td></tr> <tr><td>05</td><td>=</td><td>TEN</td></tr> <tr><td>06</td><td>=</td><td>TEN-GE</td></tr> <tr><td>07</td><td>=</td><td>TEN-CW</td></tr> <tr><td>08</td><td>= TEN</td><td>RIV</xs:documentation></td></tr> </table> <pre style="color: red;"> </xs:annotation> </xs:element> <xs:element name="GCUWagon" type="xs:boolean"> <xs:annotation> <xs:documentation>Indication if wagon is operated under the GCU contract</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>	01	=	National	02	= Bi-/Multilateral (with agreement or authorisation grid)		03	=	RIV	05	=	TEN	06	=	TEN-GE	07	=	TEN-CW	08	= TEN	RIV</xs:documentation>
01	=	National																				
02	= Bi-/Multilateral (with agreement or authorisation grid)																					
03	=	RIV																				
05	=	TEN																				
06	=	TEN-GE																				
07	=	TEN-CW																				
08	= TEN	RIV</xs:documentation>																				

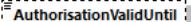
element **RollingStockDataset/AdministrativeDataSet/PreviousWagonNumberFreight**

diagram	<p>For identification of a wagon after renumbering</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	WagonIdent
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 12 pattern [0-9]{12}
annotation	documentation For identification of a wagon after renumbering
source	<pre style="color: red;"> <xs:element name="PreviousWagonNumberFreight" type="WagonIdent"> <minOccurs>0</minOccurs> <xs:annotation> <xs:documentation>For identification of a wagon after renumbering</xs:documentation> </xs:annotation> </xs:element> </pre>

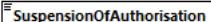
element **RollingStockDataset/AdministrativeDataSet/RegistrationCountry**

diagram	 RegistrationCountry ISO country code of registration country
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CountryIdentISO
properties	content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO country code of registration country
source	<pre><xs:element name="RegistrationCountry" type="CountryIdentISO"> <xs:annotation> <xs:documentation>ISO country code of registration country</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/AdministrativeDataSet/AuthorisationValidUntil**

diagram	 AuthorisationValidUntil End date for restricted authorisation (special case)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation End date for restricted authorisation (special case)
source	<pre><xs:element name="AuthorisationValidUntil" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>End date for restricted authorisation (special case)</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/AdministrativeDataSet/SuspensionOfAuthorisation**

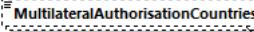
diagram	 SuspensionOfAuthorisation Information if authorisation has been suspended by the authority
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
annotation	documentation Information if authorisation has been suspended by the authority
source	<pre><xs:element name="SuspensionOfAuthorisation" type="xs:boolean"> <xs:annotation></pre>

	<pre><xs:documentation>Information if authorisation has been suspended by the authority</xs:documentation> </xs:annotation> </xs:element></pre>
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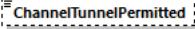
element **RollingStockDataset/AdministrativeDataSet/DateSuspensionOfAuthorisation**

diagram	 <p>Date of the suspension of authorisation; must be provided in case of suspension</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date of the suspension of authorisation; must be provided in case of suspension
source	<pre><xs:element name="DateSuspensionOfAuthorisation" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Date of the suspension of authorisation; must be provided in case of suspension</xs:documentation> </xs:annotation> </xs:element></pre>

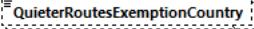
element **RollingStockDataset/AdministrativeDataSet/MultilateralAuthorisationCountries**

diagram	 <p>ISO country code of countries where the wagon is authorised (applies only in case of limited interoperability); first entry indicates the initial authorisation country</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CountryIdentISO
properties	minOcc 0 maxOcc unbounded content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO country code of countries where the wagon is authorised (applies only in case of limited interoperability); first entry indicates the initial authorisation country
source	<pre><xs:element name="MultilateralAuthorisationCountries" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation> ISO country code of countries where the wagon is authorised (applies only in case of limited interoperability); first entry indicates the initial authorisation country</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/AdministrativeDataSet/ChannelTunnelPermitted**

diagram	 ChannelTunnelPermitted Indication if wagon is allowed to pass the Channel Tunnel - if the transport is planned between UK and France and should use Eurotunnel infrastructure.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication if wagon is allowed to pass the Channel Tunnel - if the transport is planned between UK and France and should use Eurotunnel infrastructure.
source	<pre><xs:element name="ChannelTunnelPermitted" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>Indication if wagon is allowed to pass the Channel Tunnel - if the transport is planned between UK and France and should use Eurotunnel infrastructure.</xs:documentation> </xs:annotation> </xs:element></pre>

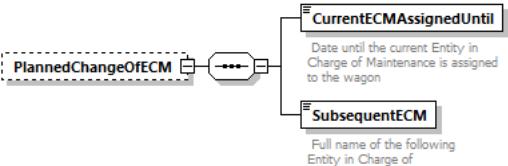
element **RollingStockDataset/AdministrativeDataSet/QuieterRoutesExemptionCountry**

diagram	 QuieterRoutesExemptionCountry 0..∞ ISO code of country where the wagon has an exemption in accordance with TSI Noise to run on quieter routes although it is not TSI noise compliant
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CountryIdentISO
properties	minOcc 0 maxOcc unbounded content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO code of country where the wagon has an exemption in accordance with TSI Noise to run on quieter routes although it is not TSI noise compliant
source	<pre><xs:element name="QuieterRoutesExemptionCountry" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>ISO code of country where the wagon has an exemption in accordance with TSI Noise to run on quieter routes although it is not TSI noise compliant</xs:documentation> </xs:annotation> </xs:element></pre>

element RollingStockDataset/AdministrativeDataSet/ECM

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Full name of the assigned Entity in Charge of Maintenance
source	<pre> <xs:element name="ECM"> <xs:annotation> <xs:documentation> Full name of the assigned Entity in Charge of Maintenance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element RollingStockDataset/AdministrativeDataSet/PlannedChangeOfECM

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	CurrentECMAssignedUntil SubsequentECM
source	<pre> <xs:element name="PlannedChangeOfECM" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="CurrentECMAssignedUntil" type="xs:date"> <xs:annotation> <xs:documentation> Date until the current Entity in Charge of Maintenance is assigned to the wagon</xs:documentation> </xs:annotation> </xs:element> <xs:element name="SubsequentECM"> <xs:annotation> <xs:documentation> Full name of the following Entity in Charge of Maintenance</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:restriction base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:complexType> </xs:element> </pre>

	<pre> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>	<code>value="256"/></code>
--	--	-------------------------------

element RollingStockDataset/AdministrativeDataSet/PlannedChangeOfECM/CurrentECMAssignedUntil

diagram	<p>CurrentECMAssignedUntil</p> <p>Date until the current Entity in Charge of Maintenance is assigned to the wagon</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	<code>xs:date</code>
properties	content simple
annotation	documentation Date until the current Entity in Charge of Maintenance is assigned to the wagon
source	<pre> <xs:element name="CurrentECMAssignedUntil" type="xs:date"> <xs:annotation> <xs:documentation> Date until the current Entity in Charge of Maintenance is assigned to the wagon</xs:documentation> </xs:annotation> </xs:element></pre>

element RollingStockDataset/AdministrativeDataSet/PlannedChangeOfECM/SubsequentECM

diagram	<p>SubsequentECM</p> <p>Full name of the following Entity in Charge of Maintenance</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of <code>xs:string</code>
properties	content simple
facets	Kind Value Annotation <code>maxLength</code> 256
annotation	documentation Full name of the following Entity in Charge of Maintenance
source	<pre> <xs:element name="SubsequentECM"> <xs:annotation> <xs:documentation> Full name of the following Entity in Charge of Maintenance</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element></pre>

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate**

diagram	<p>The diagram illustrates the structure of the ECMCertificate element. It starts with a main node labeled ECMCertificate, which is connected to several child nodes. These include EINNumber (ECM certificate reference number), ECMCertificateValidFrom (Certificate valid from date), ECMCertificateValidTo (Certificate valid to date), CoversTankWagonsForDangerous... (Certificate covers tank wagons for dangerous goods), CoversNonTankWagonsForDange... (Certificate covers other wagons specialised in transport of dangerous goods), ECMCertificateSuspended (Identification if certificate has been suspended for any reason), and DateECMCertificateSuspended (Date of the suspension of the ECM certificate; must be provided in case of suspension). The ECMCertificateSuspended and DateECMCertificateSuspended nodes are highlighted with a dashed box.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	EINNumber ECMCertificateValidFrom ECMCertificateValidTo CoversTankWagonsForDangerousGoods CoversNonTankWagonsForDangerousGoods ECMCertificateSuspended DateECMCertificateSuspended
annotation	documentation ECM certificate information
source	<pre> <x:element name="ECMCertificate"> <x:annotation> <x:documentation>ECM certificate information</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element name="EINNumber"> <x:annotation> <x:documentation>ECM certificate reference number
NOTE: this is a placeholder! CR 335 by ERA is containing this element and its full description and code lists.</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element ref="CountryCodeISO"/> <x:element name="TypeDocumentEIN" type="Numeric2-2"> <x:annotation> <x:documentation>Code List Candidate: 34</x:documentation> </x:annotation> </x:element> <x:element name="CounterAcreditedRecognizedBody" type="Numeric2-2"/> <x:element name="EINYear" type="Numeric2-2"/> <x:element name="EINCounter"> <x:simpleType> <x:restriction base="xs:integer"> <x:minInclusive value="0"/> <x:maxInclusive value="9999"/> </x:restriction> </x:simpleType> </x:element> </x:sequence> </x:complexType> </x:element> </x:sequence> </x:complexType> </x:element> </pre> <p>31,</p>

```
        </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="ECMCertificateValidFrom" type="xs:date">
  <xs:annotation>
    <xs:documentation>Certificate valid from date</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="ECMCertificateValidTo" type="xs:date">
  <xs:annotation>
    <xs:documentation>Certificate valid to date</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="CoversTankWagonsForDangerousGoods" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Certificate covers tank wagons for dangerous goods</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="CoversNonTankWagonsForDangerousGoods" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Certificate covers other wagons specialised in transport of dangerous goods</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="ECMCertificateSuspended" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Identification if certificate has been suspended for any reason</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element name="DateECMCertificateSuspended" type="xs:date" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Date of the suspension of the ECM certificate; must be provided in case of suspension</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
```

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber**

diagram	<pre> classDiagram EINNumber --> TypeDocumentEIN TypeDocumentEIN --> CountryCodeISO TypeDocumentEIN --> CounterAcreditedRecognizedBody TypeDocumentEIN --> EINYear TypeDocumentEIN --> EINCounter </pre> <p>EINNumber ECM certificate reference number NOTE: this is a placeholder! CR 335 by ERA is containing this element and its full description and code lists.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	CountryCodeISO TypeDocumentEIN CounterAcreditedRecognizedBody EINYear EINCounter
annotation	<p>documentation ECM certificate reference number NOTE: this is a placeholder! CR 335 by ERA is containing this element and its full description and code lists.</p>
source	<pre> <xs:element name="EINNumber"> <xs:annotation> <xs:documentation>ECM certificate reference number NOTE: this is a placeholder! CR 335 by ERA is containing this element and its full description and code lists.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="CountryCodeISO"/> <xs:element name="TypeDocumentEIN" type="Numeric2-2"> <xs:annotation> <xs:documentation>Code List Candidate: 31, 34</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CounterAcreditedRecognizedBody" type="Numeric2-2"/> <xs:element name="EINYear" type="Numeric2-2"/> <xs:element name="EINCounter"> <xs:simpleType> <xs:restriction> <xs:minInclusive value="0"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/TypeDocumentEIN**

diagram	<pre> classDiagram TypeDocumentEIN </pre> <p>TypeDocumentEIN Code List Candidate: 31, 34</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric2-2

properties	content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
annotation	documentation Code List Candidate: 31, 34
source	<pre><xs:element name="TypeDocumentEIN" type="Numeric2-2"> <xs:annotation> <xs:documentation>Code List Candidate: 34</xs:documentation> </xs:annotation> </xs:element></pre>

element

RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/CounterAcreditedRecognizedBody

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric2-2
properties	content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
source	<pre><xs:element name="CounterAcreditedRecognizedBody" type="Numeric2-2"/></pre>

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/EINYear**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric2-2
properties	content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
source	<pre><xs:element name="EINYear" type="Numeric2-2"/></pre>

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/EINCounter**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple

facets	Kind minInclusive Value 0 Annotation maxInclusive 9999
source	<pre><xs:element name="EINCounter"> <xs:simpleType> <xs:restriction> <xs:minInclusive> <xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/ECMCertificateValidFrom**

diagram	 Certificate valid from date
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	content simple
annotation	documentation Certificate valid from date
source	<pre><xs:element name="ECMCertificateValidFrom" type="xs:date"> <xs:annotation> <xs:documentation>Certificate valid from date</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/ECMCertificateValidTo**

diagram	 Certificate valid to date
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	content simple
annotation	documentation Certificate valid to date
source	<pre><xs:element name="ECMCertificateValidTo" type="xs:date"> <xs:annotation> <xs:documentation>Certificate valid to date</xs:documentation> </xs:annotation> </xs:element></pre>

element

RollingStockDataset/AdministrativeDataSet/ECMCertificate/CoversTankWagonsForDangerousGoods

diagram	 Certificate covers tank wagons for dangerous goods
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namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
annotation	documentation Certificate covers tank wagons for dangerous goods

```
<xs:element name="CoversTankWagonsForDangerousGoods" type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Certificate covers tank wagons for dangerous goods</xs:documentation>
  </xs:annotation>
</xs:element>
```

element

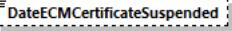
RollingStockDataset/AdministrativeDataSet/ECMCertificate/CoversNonTankWagonsForDangerousGoods

diagram	
	Certificate covers other wagons specialised in transport of dangerous goods
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
annotation	documentation Certificate covers other wagons specialised in transport of dangerous goods
source	<pre><xs:element name="CoversNonTankWagonsForDangerousGoods" type="xs:boolean"> <xs:annotation> <xs:documentation>Certificate covers other wagons specialised in transport of dangerous goods</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/ECMCertificateSuspended**

diagram	
	Identification if certificate has been suspended for any reason
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
annotation	documentation Identification if certificate has been suspended for any reason
source	<pre><xs:element name="ECMCertificateSuspended" type="xs:boolean"> <xs:annotation> <xs:documentation>Identification if certificate has been suspended for any reason</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/DateECMCertificateSuspended**

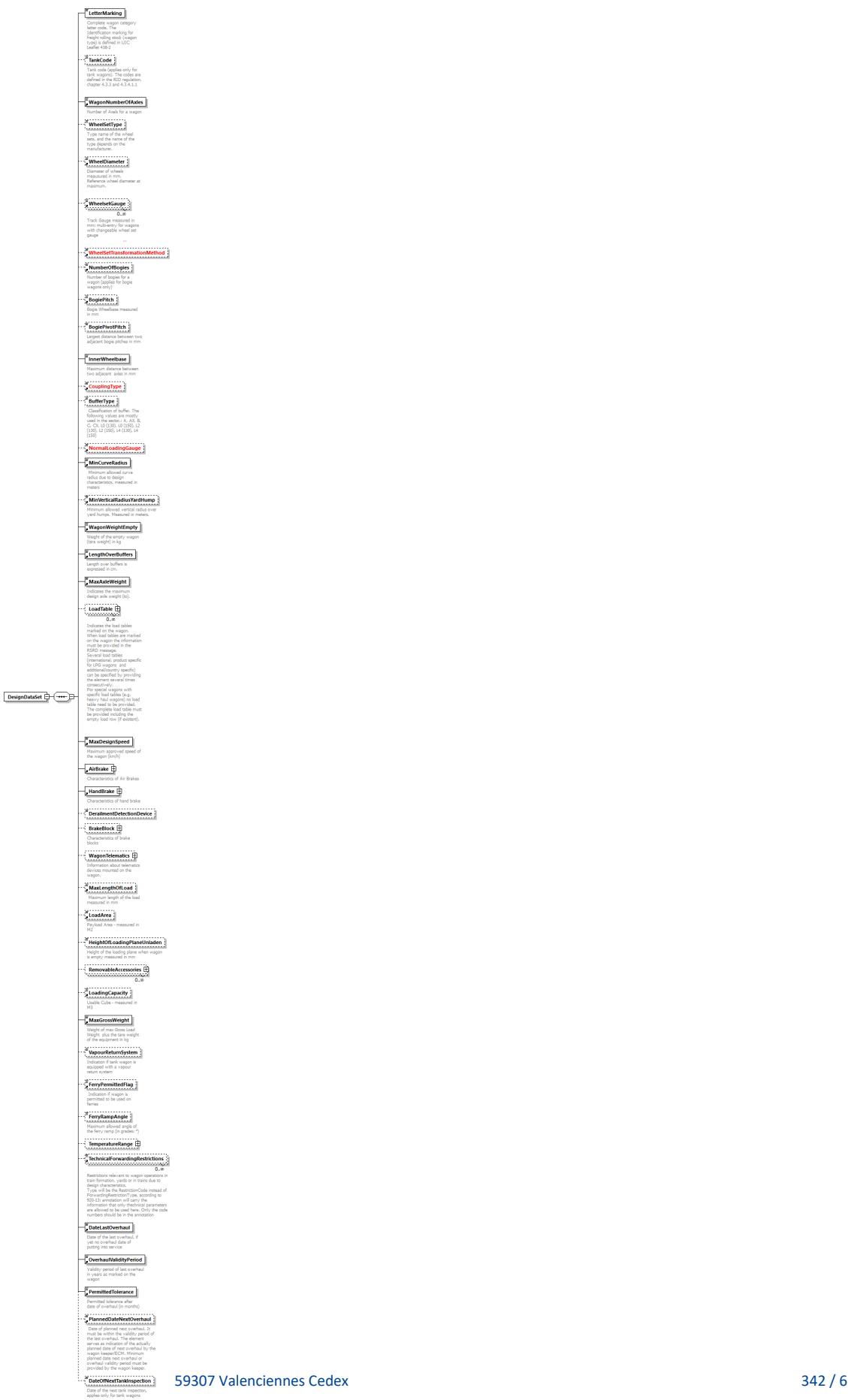
diagram	 DateECMCertificateSuspended Date of the suspension of the ECM certificate; must be provided in case of suspension
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date of the suspension of the ECM certificate; must be provided in case of suspension
source	<pre><xs:element name="DateECMCertificateSuspended" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Date of the suspension of the ECM certificate; must be provided in case of suspension</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/AdministrativeDataSet/GCUWagon**

diagram	 GCUWagon Indication if wagon is operated under the GCU contract
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
annotation	documentation Indication if wagon is operated under the GCU contract
source	<pre><xs:element name="GCUWagon" type="xs:boolean"> <xs:annotation> <xs:documentation>Indication if wagon is operated under the GCU contract</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/DesignDataSet**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LetterMarking TankCode WagonNumberOfAxles WheelSetType WheelDiameter WheelsetGauge WheelSetTransformationMethod NumberOfBogies BogiePitch BogiePivotPitch InnerWheelbase CouplingType BufferType NormalLoadingGauge MinCurveRadius MinVerticalRadiusYardHump WagonWeightEmpty LengthOverBuffers MaxAxleWeight LoadTable MaxDesignSpeed AirBrake HandBrake DerailmentDetectionDevice BrakeBlock WagonTelematics MaxLengthOfLoad LoadArea HeightOfLoadingPlaneUnladen RemovableAccessories LoadingCapacity MaxGrossWeight VapourReturnSystem FerryPermittedFlag FerryRampAngle TemperatureRange TechnicalForwardingRestrictions DateLastOverhaul OverhaulValidityPeriod PermittedTolerance PlannedDateNextOverhaul DateOfNextTankInspection
source	<pre> <xs:element name="DesignDataSet"> <xs:complexType> <xs:sequence> <xs:element name="LetterMarking"> <xs:annotation> <xs:documentation>Complete wagon category letter code. The Identification marking for freight rolling stock (wagon type) is defined in UIC Leaflet 438-2</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="20"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="TankCode" minOccurs="0"> <xs:annotation> <xs:documentation>Tank code (applies only for tank wagons). The codes are defined in the RID regulation, chapter 4.3.3 and 4.3.4.1.1</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="20"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="WagonNumberOfAxles" /> <xs:element name="WheelSetType" minOccurs="0"> <xs:annotation> <xs:documentation>Type name of the wheel sets, and the name of the manufacturer. depends on the</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="WheelDiameter" minOccurs="0"/> <xs:element ref="WheelsetGauge" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="WheelSetTransformationMethod" minOccurs="0"/> <xs:element ref="NumberOfBogies" minOccurs="0"> <xs:annotation> <xs:documentation>Number of bogies for a wagon (applies for bogie only)</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
type	<pre> <xs:element name="WagonNumberOfAxles" /> <xs:element name="WheelSetType" minOccurs="0"> <xs:annotation> <xs:documentation>Type name of the wheel sets, and the name of the manufacturer. depends on the</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="WheelDiameter" minOccurs="0"/> <xs:element ref="WheelsetGauge" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="WheelSetTransformationMethod" minOccurs="0"/> <xs:element ref="NumberOfBogies" minOccurs="0"> <xs:annotation> <xs:documentation>Number of bogies for a wagon (applies for bogie only)</xs:documentation> </xs:annotation> </xs:element> </pre>
wagons	<pre> <xs:element ref="WheelsetGauge" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="WheelSetTransformationMethod" minOccurs="0"/> <xs:element ref="NumberOfBogies" minOccurs="0"> <xs:annotation> <xs:documentation>Number of bogies for a wagon (applies for bogie only)</xs:documentation> </xs:annotation> </xs:element> </pre>

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        </xs:annotation>
    </xs:element>
    <xs:element ref="BogiePitch" minOccurs="0"/>
    <xs:element name="BogiePivotPitch" type="Numeric1-5" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Largest distance between two adjacent bogie
pitches in mm</xs:documentation>
        </xs:annotation>
    </xs:element>
    <xs:element name="InnerWheelbase" type="Numeric1-5">
        <xs:annotation>
            <xs:documentation>Maximum distance between two adjacent axles in
mm</xs:documentation>
        </xs:annotation>
    </xs:element>
    <xs:element ref="CouplingType" minOccurs="0"/>
    <xs:element name="BufferType" minOccurs="0">
        <xs:annotation>
            <xs:documentation>Classification of buffer. The following values
are mostly used in the sector.: A, AX, B, C, CX, L0 (130), L0 (150), L2 (130),
L2 (150), L4 (130), L4 (150)</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
            <xs:restriction>
                <xs:maxLength value="256"/>
            </xs:restriction>
        </xs:simpleType>
    </xs:element>
    <xs:element ref="NormalLoadingGauge" minOccurs="0"/>
    <xs:element ref="MinCurveRadius">
        <xs:annotation>
            <xs:documentation>Minimum allowed curve radius due to design
characteristics, measured in meters</xs:documentation>
        </xs:annotation>
    </xs:element>
    <xs:element ref="MinVerticalRadiusYardHump" minOccurs="0"/>
    <xs:element ref="WagonWeightEmpty">
        <xs:annotation>
            <xs:documentation>Weight of the empty wagon (tara weight) in
kg</xs:documentation>
        </xs:annotation>
    </xs:element>
    <xs:element ref="LengthOverBuffers"/>
    <xs:element ref="MaxAxeWeight"/>
    <xs:element name="LoadTable" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
            <xs:documentation>Indicates the load tables marked on the wagon.
When load tables are marked on the wagon the information must be provided in
the RSRD message.
Several load tables (international, product specific for LPG wagons and
additional/country specific) can be specified by providing the element several
times consecutively.
For special wagons with specific load tables (e.g. heavy haul wagons) no load
table need to be provided.
The complete load table must be provided including the empty load row (if
existent).</xs:documentation>
        </xs:annotation>
    </xs:element>

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	<pre> <xs:sequence> <xs:element name="LoadTableProduct" minOccurs="0"> <xs:annotation> <xs:documentation>Product description, only applies for product-specific load tables</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ProductUNCode" type="Numeric4-4"> <xs:annotation> <xs:documentation>UN code of product if product specific load table</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ProductRIDName"> <xs:annotation> <xs:documentation> RID product name as written on the folding panel</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="LoadTableCountry" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>ISO country code of countries for additional load tables</xs:documentation> </xs:annotation> </xs:element> <xs:element name="SpeedCategory" type="Numeric1-5" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Numeric speed in load table, without speed empty in km/h</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="LoadTableStars" minOccurs="0"> <xs:annotation> <xs:documentation>Number of load table stars. Currently recognized values/codes: 1 = Authorised to run loaded in trains up to 100 km/h with a brake that does not meet all the requirements for 100 km/h conditions 2 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet all the requirements for 120 km/h conditions 3 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet all the requirements for 120 km/h conditions. Wagon is fitted with an automatic load-proportional braking system. </xs:documentation> </xs:annotation> </xs:element> <xs:element name="RouteClassPayloads" maxOccurs="unbounded"> <xs:complexType> </pre>
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	<pre> <xs:sequence> <xs:element ref="RouteClass"/> <xs:element name="MaxPayload" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Maximum payload in tons of line category; number of entries must fit to number of entries in SpeedCategory</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="4"/> <xs:fractionDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="MaxDesignSpeed"/> <xs:element ref="AirBrake"/> <xs:element ref="HandBrake"> <xs:annotation> <xs:documentation>Characteristics of hand brake</xs:documentation> </xs:annotation> </xs:element> <xs:element name="DerailmentDetectionDevice" type="DerailmentDetectionDevice"> <xs:element name="BrakeBlock" minOccurs="0"> <xs:annotation> <xs:documentation>Characteristics of brake blocks</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="BrakeBlockName" minOccurs="0"> <xs:annotation> <xs:documentation>Name of the brake block type, including the length in mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="CompositeBrakeBlockRetrofitted" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>Indication if composite brake blocks are retrofitted or originally equipped</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CompositeBrakeBlockInstallationDate" type="xs:date" minOccurs="0"> <xs:annotation> </pre>
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            <xs:documentation>Date of composite brake block installation,  

for originally equipped wagon = date put into service</xs:documentation>
        </xs:annotation>
    </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
<xs:element      name="WagonTelematics"          type="WagonTelematics"
minOccurs="0">
    <xs:annotation>
        <xs:documentation  xml:lang="en">Information about telematics  

devices mounted on the wagon.</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element      ref="MaxLengthOfLoad"           minOccurs="0">
    <xs:annotation>
        <xs:documentation> Maximum length of the load measured in mm
</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element      ref="LoadArea"                 minOccurs="0"/>
<xs:element      name="HeightOfLoadingPlaneUnladen"   type="Numeric1-5"
minOccurs="0">
    <xs:annotation>
        <xs:documentation>Height of the loading plane when wagon is empty  

measured in mm</xs:documentation>
    </xs:annotation>
</xs:element>
<xs:element      name="RemovableAccessories"       minOccurs="0"
maxOccurs="unbounded">
    <xs:complexType>
        <xs:sequence>
            <xs:element      ref="TypeOfRemovableAccessories">
                <xs:annotation>
                    <xs:documentation>Specification of removable accessory.  

TypeOfRemovableAccessories code list is used. Values refer to UIC Leaflet 920-  

13:
01           =             Removable               stanchion
02           =     Removable     side     flap     of     flat     wagon
03           =     Removable     end     flap     of     flat     wagon
04           =             Removable               side               rail
05           =     Removable     intermediate     upright     for     securing     the     load
06           =                     Stanchion
07           =     Removable     handle     and     wheel     for     winch     on     car-carrying     wagon
08           =             Swivelling     bolster     (with     stanchions)
09           =             Coupling     rod     (rigid     coupling)
10           =                     Ice
11           =             Ice               bunker
12           =             Ice               bunker
13           =     Trestle     or     bar     with     hooks     for     hanging     meat
14           =     Movable     cross-member     of     wagon     with     low     loading     plane
15           =                     Removable
16           =     Mooring     cross-member     on     wagon     for     special     loads
17           =     Movable     floor     panel     on     wagon     for     special     loads
18           =                     Scotch
19           =     Skid     bar     with     or     without     shoes     on     car-carrying     wagon
20           =     Mooring     strap     on     car-carrying
21           =     Beam     for     movable     ramp     on     car-carrying     wagon

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	<pre> 22 = Spare heating half-coupling 23 = Fire extinguisher 24 = Wheel scotches (for cars) on car-carrying wagon 25 = Gangway loading ramp on car-carrying wagon 26 = Metal cradles for rolls of metal sheeting 27 = Panel for covering markings 28 = Loading frame for special types of goods 29 = Headstock for "rolling roads" 99 = Other wagon </xs:documentation> </xs:annotation> </xs:element> <xs:element name="NumberOfAccessoryOfSpecType" type="Numeric2-2"> <xs:annotation> <xs:documentation>Number of specified accessory equipped on the </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="LoadingCapacity" minOccurs="0"/> <xs:element ref="MaxGrossWeight"> <xs:annotation> <xs:documentation>Weight of max Gross Load Weight plus the tare weight of the equipment in kg</xs:documentation> </xs:annotation> </xs:element> <xs:element name="VapourReturnSystem" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>Indication if tank wagon is equipped with a vapour return system</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="FerryPermittedFlag" minOccurs="0"> <xs:annotation> <xs:documentation> Indication if wagon is permitted to be used on ferries</xs:documentation> </xs:annotation> </xs:element> <xs:element name="FerryRampAngle" minOccurs="0"> <xs:annotation> <xs:documentation>Maximum allowed angle of the ferry ramp (in grades: °)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="3"/> <xs:fractionDigits value="2"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="TemperatureRange" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:annotation> <xs:documentation>Temperature Range</xs:documentation> </xs:annotation> </pre>
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	<pre> <xs:element <xs:element </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="TechnicalForwardingRestrictions" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Restrictions relevant to wagon operations in train formation, yards or in trains due to design characteristics. Type will be the RestrictionCode instead of ForwardingRestrictionType, according to 920-13: annotation will carry the information that only thechnical parameters are allowed to be used here. Only the code numbers should be in the annotation</xs:documentation> </xs:annotation> </xs:element> <xs:element <xs:annotation> <xs:documentation>Date of the last overhaul, if yet no overhaul date of putting into service</xs:documentation> </xs:annotation> </xs:element> <xs:element <xs:annotation> <xs:documentation>OverhaulValidityPeriod</xs:documentation> </xs:annotation> <xs:element <xs:annotation> <xs:documentation>PermittedTolerance</xs:documentation> </xs:annotation> <xs:element ref="PlannedDateNextOverhaul" minOccurs="0"/> <xs:element name="DateOfNextTankInspection" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Date of the next tank inspection, applies only for tank wagons</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element **RollingStockDataset/DesignDataSet/LetterMarking**

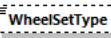
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple
facets	Kind Value Annotation maxLength 20
annotation	documentation Complete wagon category letter code. The Identification marking for freight rolling stock (wagon type) is defined in UIC Leaflet 438-2
source	<pre> <xs:element <xs:annotation> <xs:documentation>Complete wagon category letter code. The Identification marking for freight rolling stock (wagon type) is defined in UIC Leaflet 438- </pre>

	<pre> 2</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>	base="xs:string" value="20"/>
--	---	---

element **RollingStockDataset/DesignDataSet/TankCode**

diagram	 <p>Tank code (applies only for tank wagons). The codes are defined in the RID regulation, chapter 4.3.3 and 4.3.4.1.1</p>	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
type	restriction of xs:string	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind Value Annotation maxLength 20	
annotation	documentation <p>Tank code (applies only for tank wagons). The codes are defined in the RID regulation, chapter 4.3.3 and 4.3.4.1.1</p>	
source	<pre> <xs:element name="TankCode" minOccurs="0"> <xs:annotation> <xs:documentation>Tank code (applies only for tank wagons). The codes are defined in the RID regulation, chapter 4.3.3 and 4.3.4.1.1</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>	

element **RollingStockDataset/DesignDataSet/WheelSetType**

diagram	 <p>Type name of the wheel sets, and the name of the type depends on the manufacturer.</p>	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
type	restriction of xs:string	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind Value Annotation maxLength 256	
annotation	documentation <p>Type name of the wheel sets, and the name of the type depends on the manufacturer.</p>	
source	<pre> <xs:element name="WheelSetType" minOccurs="0"> <xs:annotation> </pre>	

	<pre> <xs:documentation>Type name of the wheel sets, and the name of the type depends on the manufacturer.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>
	<pre> base="xs:string"> value="256"/> </pre>

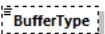
element **RollingStockDataset/DesignDataSet/BogiePivotPitch**

diagram	<p>Largest distance between two adjacent bogie pitches in mm</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric1-5
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Largest distance between two adjacent bogie pitches in mm
source	<pre> <xs:element name="BogiePivotPitch" type="Numeric1-5" minOccurs="0"> <xs:annotation> <xs:documentation>Largest distance between two adjacent bogie pitches in mm</xs:documentation> </xs:annotation> </xs:element> </pre>

element **RollingStockDataset/DesignDataSet/InnerWheelbase**

diagram	<p>Maximum distance between two adjacent axles in mm</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric1-5
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Maximum distance between two adjacent axles in mm
source	<pre> <xs:element name="InnerWheelbase" type="Numeric1-5"> <xs:annotation> <xs:documentation>Maximum distance between two adjacent axles in mm</xs:documentation> </xs:annotation> </xs:element> </pre>

element **RollingStockDataset/DesignDataSet/BufferType**

diagram	
	Classification of buffer. The following values are mostly used in the sector.: A, AX, B, C, CX, L0 (130), L0 (150), L2 (130), L2 (150), L4 (130), L4 (150)
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Classification of buffer. The following values are mostly used in the sector.: A, AX, B, C, CX, L0 (130), L0 (150), L2 (130), L2 (150), L4 (130), L4 (150)
source	<pre> <xs:element name="BufferType" minOccurs="0"> <xs:annotation> <xs:documentation> Classification of buffer. The following values are mostly used in the sector.: A, AX, B, C, CX, L0 (130), L0 (150), L2 (130), L2 (150), L4 (130), L4 (150)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **RollingStockDataset/DesignDataSet/LoadTable**

diagram	<pre> classDiagram class LoadTableProduct { Product description, only applies for product-specific load tables } class LoadTableCountry { ISO country code of countries for additional load tables } class SpeedCategory { Numeric speed in load table, without speed empty in km/h } class LoadTableStars { Number of load table stars. Currently recognized values/codes: 1 = Authorised to run loaded in trains up to 100 km/h with a brake that does not meet all the requirements for 100 km/h conditions 2 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet all the requirements for 120 km/h conditions 3 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet all the requirements for 120 km/h conditions. Wagon is fitted with an automatic load-proportional braking system. } class RouteClassPayloads { 1..∞ } LoadTable "0..∞" --> LoadTableProduct LoadTable "0..∞" --> LoadTableCountry LoadTable "1..∞" --> SpeedCategory LoadTable "0..∞" --> LoadTableStars LoadTable "1..∞" --> RouteClassPayloads </pre> <p>Indicates the load tables marked on the wagon. When load tables are marked on the wagon the information must be provided in the RSRD message. Several load tables (international, product specific for LPG wagons and additional/country specific) can be specified by providing the element several times consecutively. For special wagons with specific load tables (e.g. heavy haul wagons) no load table need to be provided. The complete load table must be provided including the empty load row (if existent).</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc unbounded content complex
children	LoadTableProduct LoadTableCountry SpeedCategory LoadTableStars RouteClassPayloads
annotation	<p>documentation</p> <p>Indicates the load tables marked on the wagon. When load tables are marked on the wagon the information must be provided in the RSRD message. Several load tables (international, product specific for LPG wagons and additional/country specific) can be specified by providing the element several times consecutively. For special wagons with specific load tables (e.g. heavy haul wagons) no load table need to be provided. The complete load table must be provided including the empty load row (if existent).</p>
source	<pre> <xs:element name="LoadTable" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Indicates the load tables marked on the wagon. When load tables are marked on the wagon the information must be provided in the RSRD message. Several load tables (international, product specific for LPG wagons and additional/country specific) can be specified by providing the element several times consecutively. For special wagons with specific load tables (e.g. heavy haul wagons) no load table need to be provided. The complete load table must be provided including the empty load row (if existent).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="LoadTableProduct" minOccurs="0"> <xs:annotation> <xs:documentation>Product description, only applies for product-specific load tables</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

```

</xs:annotation>
<xs:complexType>
  <xs:sequence>
    <xs:element name="ProductUNCode" type="Numeric4-4">
      <xs:annotation>
        <xs:documentation>UN code of product if product specific load
table</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ProductRIDName">
      <xs:annotation>
        <xs:documentation> RID product name as written on the folding
panel</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:simpleType>
      <xs:restriction>
        <xs:maxLength
          </xs:restriction>
        <xs:simpleType>
          <xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element name="LoadTableCountry" type="CountryIdentISO"
minOccurs="0" maxOccurs="unbounded">
          <xs:annotation>
            <xs:documentation>ISO country code of countries for additional load
tables</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="SpeedCategory" type="Numeric1-5"
maxOccurs="unbounded">
          <xs:annotation>
            <xs:documentation>Numeric speed in load table, without speed empty
in km/h</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element ref="LoadTableStars" minOccurs="0">
          <xs:annotation>
            <xs:documentation>Number of load table stars. Currently recognized
values/codes:
1 = Authorised to run loaded in trains up to 100 km/h with a brake that does
not meet all the requirements for 100 km/h conditions
2 = Authorised to run loaded in trains up to 120 km/h with a brake that does
not meet all the requirements for 120 km/h conditions
3 = Authorised to run loaded in trains up to 120 km/h with a brake that does
not meet all the requirements for 120 km/h conditions. Wagon is fitted with
an automatic load-proportional braking system.
</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element name="RouteClassPayloads" maxOccurs="unbounded">
          <xs:complexType>
            <xs:sequence>
              <xs:element ref="RouteClass"/>
              <xs:element name="MaxPayload" maxOccurs="unbounded">
                <xs:annotation>
                  <xs:documentation>Maximum payload in tonnes of line category;
```

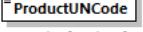
	number of entries must fit to number of entries in SpeedCategory</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:totalDigits value="4"/> <xs:fractionDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element>
--	---

element RollingStockDataset/DesignDataSet/LoadTable/LoadTableProduct

diagram	<pre> classDiagram class LoadTableProduct class ProductUNCode class ProductRIDName LoadTableProduct "0..1" -- "0..1" ProductUNCode : LoadTableProduct "0..1" -- "0..1" ProductRIDName : </pre> <p>Product description, only applies for product-specific load tables</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	ProductUNCode ProductRIDName
annotation	documentation Product description, only applies for product-specific load tables
source	<pre> <xs:element name="LoadTableProduct" minOccurs="0"> <xs:annotation> <xs:documentation>Product description, only applies for product-specific load tables</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ProductUNCode" type="Numeric4-4"> <xs:annotation> <xs:documentation>UN code of product if product specific load table</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ProductRIDName"> <xs:annotation> <xs:documentation> RID product name as written on the folding panel</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre></xs:sequence> </xs:complexType> </xs:element></pre>
--	---

element **RollingStockDataset/DesignDataSet/LoadTable/LoadTableProduct/ProductUNCode**

diagram	 ProductUNCode UN code of product if product specific load table
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	<u>Numeric4-4</u>
properties	content simple
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
annotation	documentation UN code of product if product specific load table
source	<pre><xs:element name="ProductUNCode" type="Numeric4-4"> <xs:annotation> <xs:documentation>UN code of product if product specific load table</xs:documentation> </xs:annotation> </xs:element></pre>

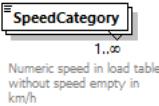
element **RollingStockDataset/DesignDataSet/LoadTable/LoadTableProduct/ProductRIDName**

diagram	 ProductRIDName RID product name as written on the folding panel
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of <u>xs:string</u>
properties	content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation RID product name as written on the folding panel
source	<pre><xs:element name="ProductRIDName"> <xs:annotation> <xs:documentation> RID product name as written on the folding panel</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **RollingStockDataset/DesignDataSet/LoadTable/LoadTableCountry**

diagram	 ISO country code of countries for additional load tables
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CountryIdentISO
properties	minOcc 0 maxOcc unbounded content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO country code of countries for additional load tables
source	<pre><xs:element name="LoadTableCountry" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>ISO country code of countries for additional load tables</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/DesignDataSet/LoadTable/SpeedCategory**

diagram	 Numeric speed in load table, without speed empty in km/h
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric1-5
properties	minOcc 1 maxOcc unbounded content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Numeric speed in load table, without speed empty in km/h
source	<pre><xs:element name="SpeedCategory" type="Numeric1-5" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Numeric speed in load table, without speed empty in km/h</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/DesignDataSet/LoadTable/RouteClassPayloads**

diagram	<p>Maximum payload in tonnes of line category; number of entries must fit to number of entries in SpeedCategory</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 1 maxOcc unbounded content complex
children	RouteClass MaxPayload
source	<pre> <xs:element name="RouteClassPayloads" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element ref="RouteClass"/> <xs:element name="MaxPayload" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Maximum payload in tonnes of line category; number of entries must fit to number of entries in SpeedCategory</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="4"/> <xs:fractionDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **RollingStockDataset/DesignDataSet/LoadTable/RouteClassPayloads/MaxPayload**

diagram	<p>Maximum payload in tonnes of line category; number of entries must fit to number of entries in SpeedCategory</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:decimal
properties	minOcc 1 maxOcc unbounded content simple
facets	Kind Value Annotation totalDigits 4 fractionDigits 1
annotation	documentation Maximum payload in tonnes of line category; number of entries must fit to number of entries in SpeedCategory
source	<pre> <xs:element name="MaxPayload" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Maximum payload in tonnes of line category; number of entries must fit to number of entries in SpeedCategory</xs:documentation> </xs:annotation> </pre>

	<pre> <xs:simpleType> <xs:restriction> <xs:totalDigits <xs:fractionDigits </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:decimal"> value="4"/> value="1"/> </pre>
--	---	--

element **RollingStockDataset/DesignDataSet/DerailmentDetectionDevice**

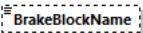
diagram														
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1													
type	DerailmentDetectionDevice													
properties	minOcc 0 maxOcc 1 content simple													
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>enumeration</td> <td>EDT 101</td> <td></td> </tr> <tr> <td>enumeration</td> <td>MDV 100</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Non coded device</td> <td></td> </tr> </table>		Kind	Value	Annotation	enumeration	EDT 101		enumeration	MDV 100		enumeration	Non coded device	
Kind	Value	Annotation												
enumeration	EDT 101													
enumeration	MDV 100													
enumeration	Non coded device													
source	<pre> <xs:element name="DerailmentDetectionDevice" type="DerailmentDetectionDevice" minOccurs="0"/> </pre>													

element **RollingStockDataset/DesignDataSet/BrakeBlock**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	BrakeBlockName CompositeBrakeBlockRetrofitted CompositeBrakeBlockInstallationDate
annotation	documentation Characteristics of brake blocks
source	<pre> <xs:element name="BrakeBlock" minOccurs="0"> <xs:annotation> <xs:documentation>Characteristics of brake blocks</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="BrakeBlockName" minOccurs="0"> <xs:annotation> <xs:documentation>Name of the brake block type, including the length in mm</xs:documentation> </pre>

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="CompositeBrakeBlockRetrofitted" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation> Indication if composite brake blocks are retrofitted or originally equipped</xs:documentation> </xs:annotation> </xs:element> <xs:element name="CompositeBrakeBlockInstallationDate" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation> Date of composite brake block installation, for originally equipped wagon = date put into service</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **RollingStockDataset/DesignDataSet/BrakeBlock/BrakeBlockName**

diagram	 <p>Name of the brake block type, including the length in mm</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Name of the brake block type, including the length in mm
source	<pre> <xs:element name="BrakeBlockName" minOccurs="0"> <xs:annotation> <xs:documentation>Name of the brake block type, including the length in mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>

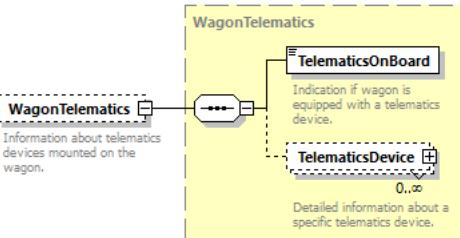
element **RollingStockDataset/DesignDataSet/BrakeBlock/CompositeBrakeBlockRetrofitted**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication if composite brake blocks are retrofitted or originally equipped
source	<pre><xs:element name="CompositeBrakeBlockRetrofitted" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation> Indication if composite brake blocks are retrofitted or originally equipped</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/DesignDataSet/BrakeBlock/CompositeBrakeBlockInstallationDate**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date of composite brake block installation, for originally equipped wagon = date put into service
source	<pre><xs:element name="CompositeBrakeBlockInstallationDate" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Date of composite brake block installation, for originally equipped wagon = date put into service</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/DesignDataSet/WagonTelematics**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	WagonTelematics

properties	minOcc 0 maxOcc 1 content complex
children	TelematicsOnBoard TelematicsDevice
annotation	documentation Information about telematics devices mounted on the wagon.
source	<pre><xs:element name="WagonTelematics" type="WagonTelematics" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="en">Information about telematics devices mounted on the wagon.</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDataset/DesignDataSet/HeightOfLoadingPlaneUnladen**

diagram	 HeightOfLoadingPlaneUnladen Height of the loading plane when wagon is empty measured in mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric1-5
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Height of the loading plane when wagon is empty measured in mm
source	<pre><xs:element name="HeightOfLoadingPlaneUnladen" type="Numeric1-5" minOccurs="0"> <xs:annotation> <xs:documentation>Height of the loading plane when wagon is empty measured in </xs:annotation> </xs:element></pre>

element RollingStockDataset/DesignDataSet/RemovableAccessories

diagram	<p>TypeOfRemovableAccessories</p> <p>Specification of removable accessory, TypeOfRemovableAccessories code list is used. Values refer to UIC Leaflet 920-13:</p> <ul style="list-style-type: none"> 01 = Removable stanchion 02 = Removable side flap of flat wagon 03 = Removable end flap of flat wagon 04 = Removable side rail 05 = Removable intermediate upright for securing the load 06 = Stanchion chain 07 = Removable handle and wheel for winch on car-carrying wagon 08 = Swivelling bolster (with stanchions) 09 = Coupling rod (rigid coupling) 10 = Ice bunker 11 = Ice bunker screen 12 = Ice bunker frame 13 = Trestle or bar with hooks for hanging meat 14 = Movable cross-member of wagon with low loading plane 15 = Removable support 16 = Mooring cross-member on wagon for special loads 17 = Movable floor panel on wagon for special loads 18 = Scotch 19 = Skid bar with or without shoes on car-carrying wagon 20 = Mooring strap on car-carrying wagon 21 = Beam for movable ramp on car-carrying wagon 22 = Spare heating half-coupling 23 = Fire extinguisher 24 = Wheel scatches (for cars) on car-carrying wagon 25 = Gangway loading ramp on car-carrying wagon 26 = Metal cradles for rolls of metal sheeting 27 = Panel for covering markings 28 = Loading frame for special types of goods 29 = Headstock for "rolling roads" 99 = Other wagon accessories <p>NumberOfAccessorOfSpecType</p> <p>Number of specified accessory equipped on the wagon</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	<p>minOcc 0</p> <p>maxOcc unbounded</p> <p>content complex</p>
children	TypeOfRemovableAccessories NumberOfAccessorOfSpecType
source	<pre><xs:element name="RemovableAccessories" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element ref="TypeOfRemovableAccessories"> <xs:annotation> <xs:documentation>Specification of removable accessory. TypeOfRemovableAccessories code list is used. Values refer to UIC Leaflet 920-13:</xs:documentation> </xs:annotation> </xs:element> <xs:element name="NumberOfAccessorOfSpecType" type="xs:int"> <xs:annotation> <xs:documentation>Number of specified accessory equipped on the wagon</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre> <p>01 = Removable stanchion</p> <p>02 = Removable side flap of flat wagon</p> <p>03 = Removable end flap of flat wagon</p> <p>04 = Removable side rail</p> <p>05 = Removable intermediate upright for securing the load</p> <p>06 = Stanchion chain</p> <p>07 = Removable handle and wheel for winch on car-carrying wagon</p> <p>08 = Swivelling bolster (with stanchions)</p> <p>09 = Coupling rod (rigid coupling)</p> <p>10 = Ice bunker</p> <p>11 = Ice bunker screen</p> <p>12 = Ice bunker frame</p> <p>13 = Trestle or bar with hooks for hanging meat</p> <p>14 = Movable cross-member of wagon with low loading plane</p> <p>15 = Removable support</p>

	<pre> 16 = Mooring cross-member on wagon for special loads 17 = Movable floor panel on wagon for special loads 18 = Skid bar with or without shoes on car-carrying wagon 19 = Mooring strap on car-carrying wagon 20 = Beam for movable ramp on car-carrying wagon 21 = Spare heating half-coupling 22 = Fire extinguisher 23 = Wheel scotches (for cars) on car-carrying wagon 24 = Gangway loading ramp on car-carrying wagon 25 = Metal cradles for rolls of metal sheeting 26 = Panel for covering markings 27 = Loading frame for special types of goods 28 = Headstock for "rolling roads" 29 = Other wagon accessories </xs:documentation> </xs:annotation> </xs:element> <xs:element name="NumberOfAccessorOfSpecType" type="Numeric2-2"> <xs:annotation> <xs:documentation>Number of specified accessory equipped on the wagon</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **RollingStockDataset/DesignDataSet/RemovableAccessories/NumberOfAccessorOfSpecType**

diagram	NumberOfAccessorOfSpecType Number of specified accessory equipped on the wagon									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	Numeric2-2									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>01</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	01		maxInclusive	99	
Kind	Value	Annotation								
minInclusive	01									
maxInclusive	99									
annotation	<p>documentation</p> <p>Number of specified accessory equipped on the wagon</p>									
source	<pre> <xs:element name="NumberOfAccessorOfSpecType" type="Numeric2-2"> <xs:annotation> <xs:documentation>Number of specified accessory equipped on the wagon</xs:documentation> </xs:annotation> </xs:element> </pre>									

element **RollingStockDataset/DesignDataSet/VapourReturnSystem**

diagram	VapourReturnSystem Indication if tank wagon is equipped with a vapour return system
---------	---

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication if tank wagon is equipped with a vapour return system
source	<pre><xs:element name="VapourReturnSystem" type="xs:boolean" minOccurs="0"> <xss:annotation> <xss:documentation>Indication if tank wagon is equipped with a vapour return </xss:annotation> </xs:element></pre>

element **RollingStockDataset/DesignDataSet/FerryRampAngle**

diagram	<p>FerryRampAngle Maximum allowed angle of the ferry ramp (in grades: °)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:decimal
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation totalDigits 3 fractionDigits 2
annotation	documentation Maximum allowed angle of the ferry ramp (in grades: °)
source	<pre><xs:element name="FerryRampAngle" minOccurs="0"> <xss:annotation> <xss:documentation>Maximum allowed angle of the ferry ramp (in grades: °)</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction> <xss:totalDigits <xss:fractionDigits </xss:restriction> </xss:simpleType> </xss:restriction> </xss:simpleType> </xs:element></pre>

element **RollingStockDataset/DesignDataSet/TemperatureRange**

diagram	<p>TemperatureRange Temperature Range MaxTemp Maximum Temperature in °Celsius MinTemp Minimum temperature in °Celsius</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1

	content complex
children	<u>MaxTemp</u> <u>MinTemp</u>
source	<pre><xs:element name="TemperatureRange" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:annotation> <xs:documentation>Temperature Range</xs:documentation> </xs:annotation> <xs:element ref="MaxTemp"/> <xs:element ref="MinTemp"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **RollingStockDataset/DesignDataSet/DateOfNextTankInspection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date of the next tank inspection, applies only for tank wagons
source	<pre><xs:element name="DateOfNextTankInspection" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>Date of the next tank inspection, applies only for tank wagons</xs:documentation> </xs:annotation> </xs:element></pre>

element **RollingStockDatasetMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	<u>MessageHeader</u> <u>RollingStockDataset</u> <u>RefusedWagonNumbers</u>
annotation	documentation Rolling Stock administrative and Technical Dataset
source	<pre><xs:element name="RollingStockDatasetMessage"> <xs:annotation> <xs:documentation>Rolling Stock administrative and Technical Dataset</xs:documentation> </xs:annotation> </xs:element></pre>

	<pre> </xs:annotation> <xss:complexType> <xss:sequence> <xss:element ref="MessageHeader" /> <xss:element ref="RollingStockDataset" maxOccurs="unbounded" /> <xss:element name="RefusedWagonNumbers" maxOccurs="unbounded"> <xss:complexType> <xss:sequence> <xss:element ref="WagonNumberFreight" /> <xss:element ref="RefusalCode" /> <xss:element ref="KeeperShortNameVKM" minOccurs="0" /> </xss:sequence> </xss:complexType> </xss:element> </xss:sequence> </xss:complexType> </xss:element> </pre>
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element **RollingStockDatasetMessage/RefusedWagonNumbers**

diagram	<pre> sequenceDiagram participant RSQM as RollingStockDatasetMessage participant RWN as RefusedWagonNumbers participant WNF as WagonNumberFreight participant RC as RefusalCode participant KSNV as KeeperShortNameVKM RSQM->>RWN: activate RWN RWN-->>WNF: activate WNF WNF-->>RC: activate RC RC-->>KSNV: activate KSNV KSNV-->>RSQM: deactivate KSNV deactivate RC deactivate WNF deactivate RWN </pre>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1						
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>unbounded</td></tr> <tr> <td>content</td><td>complex</td></tr> </table>	minOcc	0	maxOcc	unbounded	content	complex
minOcc	0						
maxOcc	unbounded						
content	complex						
children	WagonNumberFreight RefusalCode KeeperShortNameVKM						
source	<pre> <xss:element name="RefusedWagonNumbers" minOccurs="0" maxOccurs="unbounded"> <xss:complexType> <xss:sequence> <xss:element ref="WagonNumberFreight" /> <xss:element ref="RefusalCode" /> <xss:element ref="KeeperShortNameVKM" minOccurs="0" /> </xss:sequence> </xss:complexType> </xss:element> </pre>						

element **RollingStockDatasetQueryMessage**

diagram	<pre> sequenceDiagram participant RSQM as RollingStockDatasetQueryMessage participant MH as MessageHeader participant WNF as WagonNumberFreight RSQM->>MH: activate MH MH-->>WNF: activate WNF WNF-->>RSQM: deactivate WNF deactivate MH </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

properties	content complex
children	MessageHeader WagonNumberFreight
annotation	documentation Rolling Stock administrative and Technical Dataset
source	<pre><xs:element name="RollingStockDatasetQueryMessage"> <xs:annotation> <xs:documentation>Rolling Stock administrative and Technical Dataset</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="WagonNumberFreight" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element RouteInformation

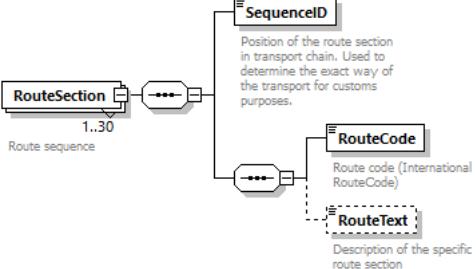
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation The route of the journey for a wagon / shipment or Intermodal unit assigned by the LRU
source	<pre><xs:element name="RouteInformation" type="FreeText"> <xs:annotation> <xs:documentation>The route of the journey for a wagon / shipment or Intermodal unit assigned by the LRU</xs:documentation> </xs:annotation> </xs:element></pre>

element Routing

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	RouteSection
used by	element ConsignmentOrderMessage/COMS/COM
annotation	documentation

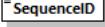
	Sequential information about the complete routing of the consignment, the LeadRu decides whether to provide this information or not
source	<pre> <xs:element name="Routing"> <xs:annotation> <xs:documentation>Sequential information about the complete routing of the consignment, the LeadRu decides whether to provide this information or not</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="RouteSection" maxOccurs="30"> <xs:annotation> <xs:documentation>Route sequence</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="SequenceID" type="xs:int"> <xs:annotation> <xs:documentation>Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.</xs:documentation> </xs:annotation> </xs:element> <xs:sequence> <xs:element name="RouteCode"> <xs:annotation> <xs:documentation>Route code (International RouteCode)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="5"/> <xs:pattern value="\d*[1-9]\d*0"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="RouteText" minOccurs="0"> <xs:annotation> <xs:documentation>Description of the specific route section</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="80"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:sequence> </xs:complexType> </xs:sequence> </xs:element> </xs:complexType> </pre>

element **Routing/RouteSection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 1 maxOcc 30 content complex
children	SequenceID RouteCode RouteText
annotation	documentation Route sequence
source	<pre> <xs:element name="RouteSection" maxOccurs="30"> <xs:annotation> <xs:documentation>Route sequence</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="SequenceID" type="xs:int"> <xs:annotation> <xs:documentation>Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.</xs:documentation> </xs:annotation> </xs:element> <xs:sequence> <xs:element name="RouteCode" type="InternationalRouteCode"> <xs:annotation> <xs:documentation>Route code (International RouteCode)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="5"/> <xs:pattern value="\d*[1-9]\d*0"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="RouteText" minOccurs="0"> <xs:annotation> <xs:documentation>Description of the specific route section</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="80"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre></xs:sequence> </xs:complexType> </xs:element></pre>
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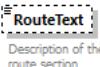
element **Routing/RouteSection/SequenceID**

diagram	 <p>SequenceID Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:int
properties	content simple
annotation	documentation Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.
source	<pre><xs:element name="SequenceID" type="xs:int"> <xs:annotation> <xs:documentation>Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.</xs:documentation> </xs:annotation> </xs:element></pre>

element **Routing/RouteSection/RouteCode**

diagram	 <p>RouteCode Route code (International RouteCode)</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>length</td> <td>5</td> <td></td> </tr> <tr> <td>pattern</td> <td>\d*[1-9]\d*0</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	length	5		pattern	\d*[1-9]\d*0	
Kind	Value	Annotation								
length	5									
pattern	\d*[1-9]\d*0									
annotation	documentation Route code (International RouteCode)									
source	<pre><xs:element name="RouteCode"> <xs:annotation> <xs:documentation>Route code (International RouteCode)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="5"/> <xs:pattern value="\d*[1-9]\d*0"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element **Routing/RouteSection/RouteText**

diagram	 Description of the specific route section
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 80
annotation	documentation Description of the specific route section
source	<pre><xs:element name="RouteText" minOccurs="0"> <xs:annotation> <xs:documentation>Description of the specific route section</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="80"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **RP_Code**

diagram	 Routing point code of the production station of the acceptance or delivery point.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple
used by	element ProductionStation
facets	Kind Value Annotation length 5
annotation	documentation Routing point code of the production station of the acceptance or delivery point.
source	<pre><xs:element name="RP_Code"> <xs:annotation> <xs:documentation>Routing point code of the production station of the acceptance or delivery point.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length value="5"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

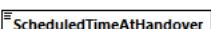
element **RU_Partner**

diagram	 RU_Partner Railway Undertaking
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CompanyCode
properties	content simple
used by	elements ConsignmentOrderMessage/COMS/COM/CustomsProcedures SpecialTreatments
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Railway Undertaking
source	<pre><xs:element name="RU_Partner" type="CompanyCode"> <xs:annotation> <xs:documentation>Railway Undertaking</xs:documentation> </xs:annotation> </xs:element></pre>

element **ScheduledDateTimeAtTransfer**

diagram	 ScheduledDateTimeAtTransfer The scheduled date and time of arrival or exit at the border between two different IMs
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element OperationalTrainNumberIdentifier
annotation	documentation The scheduled date and time of arrival or exit at the border between two different IMs
source	<pre><xs:element name="ScheduledDateTimeAtTransfer" type="xs:dateTime"> <xs:annotation> <xs:documentation>The scheduled date and time of arrival or exit at the border between two different IMs</xs:documentation> </xs:annotation> </xs:element></pre>

element **ScheduledTimeAtHandover**

diagram	 ScheduledTimeAtHandover The scheduled date and time of departure or entrance at the border between two different IMs
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime

properties	content simple
used by	element OperationalTrainNumberIdentifier
annotation	documentation The scheduled date and time of departure or entrance at the border between two different IMs
source	<pre><xs:element name="ScheduledTimeAtHandover" type="xs:dateTime"> <xs:annotation> <xs:documentation>The scheduled date and time of departure or entrance at the border between two different IMs</xs:documentation> </xs:annotation> </xs:element></pre>

element **ScheduledTimeAtLocation**

diagram	<pre> classDiagram class ScheduledTimeAtLocation { <<Scheduled Date and Time at a location related to the status of the train or wagon at the given location>> } class NumberOfSeals { <<Number of the seals attached by the original consignor.>> } class SealsDescription { <<Additional information of the original consignor regarding the attached seals.>> } ScheduledTimeAtLocation "1" --> "0..1" NumberOfSeals ScheduledTimeAtLocation "1" --> "0..1" SealsDescription class Seals { <<Describes the seals used for the consignment>> } Seals --> NumberOfSeals Seals --> SealsDescription </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element ExceptionPoint
annotation	documentation Scheduled Date and Time at a location related to the status of the train or wagon at the given location
source	<pre><xs:element name="ScheduledTimeAtLocation" type="xs:dateTime"> <xs:annotation> <xs:documentation>Scheduled Date and Time at a location related to the status of the train or wagon at the given location</xs:documentation> </xs:annotation> </xs:element></pre>

element **Seals**

diagram	<pre> classDiagram class Seals { <<Describes the seals used for the consignment>> } class NumberOfSeals { <<Number of the seals attached by the original consignor.>> } class SealsDescription { <<Additional information of the original consignor regarding the attached seals.>> } Seals --> NumberOfSeals Seals --> SealsDescription </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	NumberOfSeals SealsDescription
used by	ITU Details Wagons/WagonDetails
annotation	documentation Describes the seals used for the consignment
source	<pre><xs:element name="Seals"> <xs:annotation> <xs:documentation>Describes the seals used for the consignment</xs:documentation> </xs:annotation> </xs:element></pre>

	<pre> </xs:annotation> <xss:complexType> <xss:sequence> <xss:element name="NumberOfSeals"> <xss:annotation> <xss:documentation>Number of the seals attached by the original consignor.</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction> <xss:minInclusive value="0"/> <xss:totalDigits value="2"/> </xss:restriction> </xss:simpleType> </xss:element> <xss:element name="SealsDescription" minOccurs="0" maxOccurs="10"> <xss:annotation> <xss:documentation>Additional information of the original consignor regarding the attached seals.</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction> <xss:maxLength value="10"/> <xss:minLength value="1"/> </xss:restriction> </xss:simpleType> </xss:element> </xss:sequence> </xss:complexType> </xss:element> </pre>
--	---

element **Seals/NumberOfSeals**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:int									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>totalDigits</td> <td>2</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		totalDigits	2	
Kind	Value	Annotation								
minInclusive	0									
totalDigits	2									
annotation	documentation Number of the seals attached by the original consignor.									
source	<pre> <xss:element name="NumberOfSeals"> <xss:annotation> <xss:documentation>Number of the seals attached by the original consignor.</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction> <xss:minInclusive value="0"/> <xss:totalDigits value="2"/> </xss:restriction> </xss:simpleType> </xss:element> </pre>									

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

element Seals/SealsDescription

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	<table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>10</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table>	minOcc	0	maxOcc	10	content	simple			
minOcc	0									
maxOcc	10									
content	simple									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>10</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	10	
Kind	Value	Annotation								
minLength	1									
maxLength	10									
annotation	<p>documentation</p> <p>Additional information of the original consignor regarding the attached seals.</p>									
source	<pre><xs:element name="SealsDescription" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Additional information of the original consignor regarding the attached seals.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength base="xs:string" value="10"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element Sender

diagram													
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	extension of CompanyCode												
properties	content complex												
used by	element MessageHeader												
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												
attributes	<table> <tr> <td>Name</td> <td>Type</td> <td>Use</td> <td>Default</td> <td>Fixed</td> <td>Annotation</td> </tr> <tr> <td>CI_InstanceNumber</td> <td>Numeric2-2</td> <td></td> <td></td> <td></td> <td>documentation Number of a Common Interface</td> </tr> </table>	Name	Type	Use	Default	Fixed	Annotation	CI_InstanceNumber	Numeric2-2				documentation Number of a Common Interface
Name	Type	Use	Default	Fixed	Annotation								
CI_InstanceNumber	Numeric2-2				documentation Number of a Common Interface								

		Instance for the same Company
annotation	documentation The sender of the message	
source	<pre><xs:element name="Sender"> <xs:annotation> <xs:documentation>The sender of the message</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension> <xs:attribute base="CompanyCode" ref="CI_InstanceNumber"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>	

element **SenderReference**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	FreeText									
properties	content simple									
used by	element MessageHeader									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>255</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	255	
Kind	Value	Annotation								
minLength	1									
maxLength	255									
annotation	documentation reference used by the sender (e.g. FTP file name)									
source	<pre><xs:element name="SenderReference" type="FreeText"> <xs:annotation> <xs:documentation>reference used by the sender (e.g. FTP file name)</xs:documentation> </xs:annotation> </xs:element></pre>									

element **Ship**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex

children	<u>VesselIndication</u> <u>HarbourName</u> <u>ShipOwner</u>
used by	elements <u>ITU Details</u> <u>Wagons/WagonDetails</u>
annotation	documentation Additional information for transports, which shall be handed over to a ship
source	<pre> <xs:element name="Ship"> <xs:annotation> <xs:documentation>Additional information for transports, which shall be handed over to a ship</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="VesselIndication"/> <xs:element name="HarbourName" minOccurs="0"> <xs:annotation> <xs:documentation>Name of harbour, where the transport will be handed over to a ship.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ShipOwner" minOccurs="0"> <xs:annotation> <xs:documentation>Name of ship owner.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element Ship/HarbourName

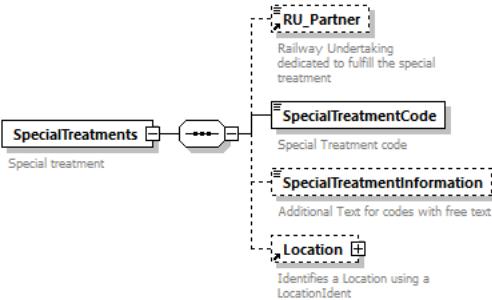
diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of <u>xs:string</u>									
properties	<table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table>	minOcc	0	maxOcc	1	content	simple			
minOcc	0									
maxOcc	1									
content	simple									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>35</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	35	
Kind	Value	Annotation								
minLength	1									
maxLength	35									
annotation	documentation Name of harbour, where the transport will be handed over to a ship.									

source	<pre> <xs:element name="HarbourName" minOccurs="0"> <xs:annotation> <xs:documentation>Name of harbour, where the transport will be handed over to a ship.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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element Ship/ShipOwner

diagram	 <p>Name of ship owner.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Name of ship owner.
source	<pre> <xs:element name="ShipOwner" minOccurs="0"> <xs:annotation> <xs:documentation>Name of ship owner.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element SpecialTreatments

diagram	 <p>Railway Undertaking dedicated to fulfill the special treatment</p> <p>Special Treatment code</p> <p>Additional Text for codes with free text</p> <p>Identifies a Location using a LocationIdent</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

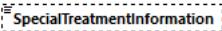
properties	content complex
children	RU Partner SpecialTreatmentCode SpecialTreatmentInformation Location
used by	elements ConsignmentOrderMessage/COMS/COM_WIMO_Dataset/ConsignmentLevelData
annotation	documentation Special treatment
source	<pre> <xs:element name="SpecialTreatments"> <xs:annotation> <xs:documentation>Special treatment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="RU_Partner" minOccurs="0"> <xs:annotation> <xs:documentation>Railway Undertaking dedicated to fulfill the treatment</xs:documentation> </xs:annotation> </xs:element> <xs:element name="SpecialTreatmentCode"> <xs:annotation> <xs:documentation>Special Treatment code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="2"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="SpecialTreatmentInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Additional Text for codes with free text</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Location" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **SpecialTreatments/SpecialTreatmentCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple
facets	Kind Value Annotation

	length 2
annotation	documentation Special Treatment code
source	<pre><xs:element name="SpecialTreatmentCode"> <xs:annotation> <xs:documentation>Special Treatment code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length </xs:restriction> </xs:simpleType> </xs:element></pre>

element **SpecialTreatments/SpecialTreatmentInformation**

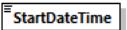
diagram	 Additional Text for codes with free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 40
annotation	documentation Additional Text for codes with free text
source	<pre><xs:element name="SpecialTreatmentInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Additional Text for codes with free text</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element></pre>

element **StartDate**

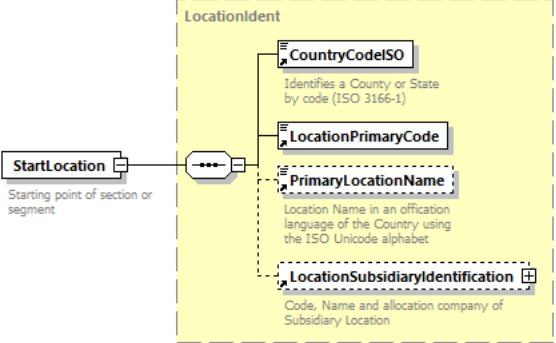
diagram	 The start of the date/time in effect
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:date
properties	content simple
used by	complexTypes CompositIdentifierOperationalType CompositIdentifierPlannedType ValidityPeriod

annotation	documentation The start of the date/time in effect
source	<xs:element name="StartDate" type="xs:date"> <xs:annotation> <xs:documentation>The start of the date/time in effect</xs:documentation> </xs:annotation> </xs:element>

element **StartTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	elements RequestedPeriod RequestedTimeframe ValidityPeriod
annotation	documentation The start of the date/time in effect
source	<xs:element name="StartTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The start of the date/time in effect</xs:documentation> </xs:annotation> </xs:element>

element **StartLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	documentation Starting point of section or segment
source	<xs:element name="StartLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>Starting point of section or segment</xs:documentation> </xs:annotation> </xs:element>

element **Station**

diagram	<pre> classDiagram class Station { <<Details of station serving the point>> } class LocationIdent { <<extension>> } class CountryCodeISO { <<Identifies a County or State by code (ISO 3166-1)>> } class LocationPrimaryCode { <<PrimaryLocationName>> } class PrimaryLocationName { <<Location Name in an officiation language of the Country using the ISO Unicode alphabet>> } class LocationSubsidiaryIdentification { <<Code, Name and allocation company of Subsidiary Location>> } Station < -- LocationIdent Station --> CountryCodeISO Station --> LocationPrimaryCode Station --> PrimaryLocationName Station --> LocationSubsidiaryIdentification </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	elements ConsignmentOrderMessage/COMS/COM/AcceptancePoint ConsignmentOrderMessage/COMS/COM/DeliveryPoint
annotation	documentation Details of station serving the point
source	<pre> <xss:element name="Station"> <xss:annotation> <xss:documentation>Details of station serving the point</xss:documentation> </xss:annotation> <xss:complexType> <xss:complexContent> <xss:extension base="LocationIdent"/> </xss:complexContent> </xss:complexType> </xss:element> </pre>

element **SummaryOfGoodsWithSameRID**

diagram	<pre> classDiagram class SummaryOfGoodsWithSameRID { <<This element is only in use if the consignment includes more than one good with the same UN-Number in a packing group and proprershipping name in the wagon. The added amount of the dangerous goods are to be stored here>> } class UN_Number { <<The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING".>> } class PackingGroup { <<>> } class DangerousGoodsWeight { <<The weight of the dangerous goods in Kilograms>> } class DangerousGoodsVolume { <<The volume of the dangerous goods in cubic meters>> } SummaryOfGoodsWithSameRID < -- UN_Number SummaryOfGoodsWithSameRID --> PackingGroup SummaryOfGoodsWithSameRID --> DangerousGoodsWeight SummaryOfGoodsWithSameRID --> DangerousGoodsVolume </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex

children	<u>UN Number</u> <u>PackingGroup</u> <u>DangerousGoodsWeight</u> <u>DangerousGoodsVolume</u>
used by	elements <u>ITU RollingRoadUnit Wagons</u>
annotation	documentation This element is only in use if the consignment includes more than one good with the same UN-Number in , packing group and proper shipping name in the wagon. The added amount of the dangerous goods are to be stored here
source	<pre> <xs:element name="SummaryOfGoodsWithSameRID"> <xs:annotation> <xs:documentation>This element is only in use if the consignment includes more than one good with the same UN-Number in , packing group and proper shipping name in the wagon. The added amount of the dangerous goods are to be stored here</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="UN_Number" minOccurs="0"/> <xs:element ref="PackingGroup" minOccurs="0"/> <xs:element ref="DangerousGoodsWeight" minOccurs="0"> <xs:annotation> <xs:documentation>The weight of the dangerous goods in Kilograms</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DangerousGoodsVolume" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **TechnicalForwardingRestrictions**

diagram	<p>TechnicalForwardingRestrictions</p> <p>This element is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load. All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list which is contained in the code list RestrictionCodes.</p> <p>In this element we use only those codes that have "T - Technical" characteristics and "F - Freight" as the type. The codes below are sorted out from the RestrictionCodes. Only these codes should be used in this element.</p> <p>F =</p> <p>Freight P = Passenger T = Technical D = Damage L = Load</p> <table border="1"> <thead> <tr> <th>Code</th><th>F or P</th><th>Description</th></tr> </thead> <tbody> <tr> <td>D 07</td><td>L F</td><td>T Shunt only when hand brake operable with ground staff</td></tr> <tr> <td>11</td><td>F</td><td>X Wagon other than bogie wagon with wheelbase of more than 9 metres</td></tr> <tr> <td>12</td><td>F</td><td>X Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17.50 metres</td></tr> <tr> <td>13</td><td>F</td><td>X Bogie wagon with distance between wheels of more than 17.50 metres</td></tr> <tr> <td>15</td><td>F</td><td>X Wagon not allowed over the hump</td></tr> <tr> <td>16</td><td>F</td><td>X Do not fly shunt or gravity shunt (3 red triangles)</td></tr> <tr> <td colspan="3">...</td></tr> </tbody> </table>	Code	F or P	Description	D 07	L F	T Shunt only when hand brake operable with ground staff	11	F	X Wagon other than bogie wagon with wheelbase of more than 9 metres	12	F	X Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17.50 metres	13	F	X Bogie wagon with distance between wheels of more than 17.50 metres	15	F	X Wagon not allowed over the hump	16	F	X Do not fly shunt or gravity shunt (3 red triangles)	...																																											
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...																																																																		
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																																																																	
type	RestrictionCodes																																																																	
used by	element RollingStockDataset/DesignDataSet																																																																	
annotation	<p>documentation</p> <p>This element is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load. All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list which is contained in the code list RestrictionCodes.</p> <p>In this element we use only those codes that have "T - Technical" characteristics and "F - Freight" as the type. The codes below are sorted out from the RestrictionCodes. Only these codes should be used in this element.</p> <table border="1"> <thead> <tr> <th>Code</th><th>F or P</th><th>Description</th><th>F =</th><th>Freight</th><th>P =</th><th>Passenger</th><th>T =</th><th>Technical</th><th>D =</th><th>Damage</th><th>L =</th><th>Load</th></tr> </thead> <tbody> <tr> <td>P</td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>T</td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>D</td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>L</td><td></td><td></td><td>=</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Code	F or P	Description	F =	Freight	P =	Passenger	T =	Technical	D =	Damage	L =	Load	P			=										T			=										D			=										L			=									
Code	F or P	Description	F =	Freight	P =	Passenger	T =	Technical	D =	Damage	L =	Load																																																						
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	07	F	Shunt only when hand brake operable with ground staff	x	x
	11	F	Wagon other than bogie wagon with wheelbase of more than 9 metres	x	
	12	F	Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres	x	
	13	F	Bogie wagon with distance between wheels of more than 17,50 metres	x	
	15	F	Wagon not allowed over the hump	x	
	16	F	Do not fly shunt or gravity shunt (3 red triangles)	x	x
	18	F	Must not use active braking equipment	x	x
	25	F	Gas carrying tank wagon with orange side stripe	x	
	41	F	Place this wagon at the front of the train		
	42	F	Place this wagon at the rear of the train	x	x
	63 one	F (+P)	Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned	x	x
	70	F	Shunt with care (1 red triangle)	x	x
	71	F	Shunt with special care (2 red triangle)	x	x
	94	F	Gas carrying wagon without orange side stripe	x	
source	<pre><xs:element name="TechnicalForwardingRestrictions" type="RestrictionCodes"> <xs:annotation> <xs:documentation>This element is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load- All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list which is contained in the code list RestrictionCodes. In this element we use only those codes that have "T - Technical" characteristics and "F - Freight" as the type. The codes below are sorted out from the RestrictionCodes. Only these codes should be used in this element. F = Freight</pre>				

	P	=	Passenger	
	T	=	Technical	
	D	=	Damage	
	L	=	Load	
	Code F or P Description			
		T D L		
07	F	Shunt only when hand brake operable with ground staff		
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71	F	Shunt with special care (2 red triangle)		
94	F	Gas carrying wagon without orange side stripe		

	<pre> x </xs:documentation> </xs:annotation> </xs:element> </pre>
--	---

element TiltingFunction

diagram	TiltingFunction Indicates if a rolling stock is fitted with a tilting system
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
used by	element PlannedTrainTechnicalData
annotation	documentation Indicates if a rolling stock is fitted with a tilting system
source	<pre> <xs:element name="TiltingFunction" type="xs:boolean"> <xs:annotation> <xs:documentation>Indicates if a rolling stock is fitted with a tilting system</xs:documentation> </xs:annotation> </xs:element> </pre>

element TimetableYear

diagram	TimetableYear Refers to the timetable period in which the business will be carried out									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	content simple									
used by	complexTypes CompositIdentifierOperationalType CompositIdentifierPlannedType									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>2012</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>2097</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	2012		maxInclusive	2097	
Kind	Value	Annotation								
minInclusive	2012									
maxInclusive	2097									
annotation	documentation Refers to the timetable period in which the business will be carried out									
source	<pre> <xs:element name="TimetableYear"> <xs:annotation> <xs:documentation>Refers to the timetable period in which the business will be carried out</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive base="xs:integer"> value="2012"/> <xs:maxInclusive base="xs:integer"> value="2097"/> </xs:restriction> </xs:simpleType> </pre>									

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

element **TimingAtLocation**

diagram	<p>Timing at an operation point It has an attribute TimerQualifierCode with the following values: PLA = Public Location Arrival ELA = Earliest Location Arrival ALA = Actual Location Arrival LLA = Latest Location Arrival PLD = Public Location Departure ELD = Earliest Location Departure ALD = Actual Location Departure LLD = Latest Location Departure</p>																																								
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																																								
properties	content complex																																								
children	Timing DwellTime																																								
used by	elements AssociatedAttachedTimingAtLocation PlannedJourneyLocation																																								
annotation	<p>documentation</p> <p>Timing at an operation point It has an attribute TimerQualifierCode with the following values:</p> <table> <tbody> <tr><td>PLA</td><td>=</td><td>Public</td><td>Location</td><td>Arrival</td></tr> <tr><td>ELA</td><td>=</td><td>Earliest</td><td>Location</td><td>Arrival</td></tr> <tr><td>ALA</td><td>=</td><td>Actual</td><td>Location</td><td>Arrival</td></tr> <tr><td>LLA</td><td>=</td><td>Latest</td><td>Location</td><td>Arrival</td></tr> <tr><td>PLD</td><td>=</td><td>Public</td><td>Location</td><td>Departure</td></tr> <tr><td>ELD</td><td>=</td><td>Earliest</td><td>Location</td><td>Departure</td></tr> <tr><td>ALD</td><td>=</td><td>Actual</td><td>Location</td><td>Departure</td></tr> <tr><td>LLD</td><td>=</td><td>Latest Location</td><td>Departure</td><td></td></tr> </tbody> </table>	PLA	=	Public	Location	Arrival	ELA	=	Earliest	Location	Arrival	ALA	=	Actual	Location	Arrival	LLA	=	Latest	Location	Arrival	PLD	=	Public	Location	Departure	ELD	=	Earliest	Location	Departure	ALD	=	Actual	Location	Departure	LLD	=	Latest Location	Departure	
PLA	=	Public	Location	Arrival																																					
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ALD	=	Actual	Location	Departure																																					
LLD	=	Latest Location	Departure																																						
source	<pre> <xs:element name="TimingAtLocation"> <xs:annotation> <xs:documentation>Timing at an operation point It has an attribute TimerQualifierCode with the following values: PLA = Public Location Arrival ELA = Earliest Location Arrival ALA = Actual Location Arival LLA = Latest Location Arrival PLD = Public Location Departure ELD = Earliest Location Departure ALD = Actual Location Departure LLD = Latest Location Departure </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Timing" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="Time" > <xs:annotation> <xs:documentation>hh:mm:ss</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>																																								

	<pre> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:time"/> </xs:simpleContent> </xs:complexType> </xs:element> <xs:element ref="Offset"> <xs:annotation> <xs:documentation>in days</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="BookedLocationDateTime" minOccurs="0"/> </xs:sequence> <xs:attribute ref="TimingQualifierCode"/> </xs:complexType> </xs:element> <xs:element ref="DwellTime" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **TimingAtLocation/Timing**

diagram	<p>The diagram illustrates the structure of the 'Timing' element. It is a class with multiplicity 0..*. It has three associations: one to 'attributes' (TimingQualifierCode), one to 'Time' (hh:mm:ss), and one to 'Offset' (in days). The 'Time' association also connects to 'BookedLocationDateTime'. A note below 'BookedLocationDateTime' defines it as 'Scheduled Date and Time of a train at a specified location as defined in the path contract'.</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
properties	<table border="1"> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>unbounded</td></tr> <tr> <td>content</td><td>complex</td></tr> </table>	minOcc	0	maxOcc	unbounded	content	complex						
minOcc	0												
maxOcc	unbounded												
content	complex												
children	Time Offset BookedLocationDateTime												
attributes	<table border="1"> <thead> <tr> <th>Name</th><th>Type</th><th>Use</th><th>Default</th><th>Fixed</th><th>Annotation</th></tr> </thead> <tbody> <tr> <td>TimingQualifierCode</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation	TimingQualifierCode					
Name	Type	Use	Default	Fixed	Annotation								
TimingQualifierCode													
source	<pre> <xs:element name="Timing" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="Time"> <xs:annotation> <xs:documentation>hh:mm:ss</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:time"/> </xs:simpleContent> </xs:complexType> </xs:sequence> </xs:complexType> </xs:element> </pre>												

	<pre> <xs:element ref="Offset"> <xs:annotation> <xs:documentation>in days</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="BookedLocationDateTime" minOccurs="0"/> </xs:sequence> <xs:attribute ref="TimingQualifierCode"/> </xs:complexType> </xs:element> </pre>
--	--

element **TimingAtLocation/Timing/Time**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of xs:time
properties	content complex
annotation	documentation hh:mm:ss
source	<pre> <xs:element name="Time"> <xs:annotation> <xs:documentation>hh:mm:ss</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:time"/> </xs:simpleContent> </xs:complexType> </xs:element> </pre>

element **TotalLoadWeight**

diagram																	
	The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment																
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																
type	WeightValueKilo																
properties	content simple																
used by	element WagonOperationalData																
facets	<table> <tr> <th></th> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> <tr> <td></td> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td></td> <td>maxInclusive</td> <td>999999</td> <td></td> </tr> <tr> <td></td> <td>whiteSpace</td> <td>collapse</td> <td></td> </tr> </table>		Kind	Value	Annotation		minInclusive	0			maxInclusive	999999			whiteSpace	collapse	
	Kind	Value	Annotation														
	minInclusive	0															
	maxInclusive	999999															
	whiteSpace	collapse															
annotation	documentation The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment																
source	<pre> <xs:element name="TotalLoadWeight" type="WeightValueKilo"> </pre>																

	<pre><xs:annotation> <xs:documentation>The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment</xs:documentation> </xs:annotation> </xs:element></pre>
--	---

element **TotalWeight**

diagram	<p>Total weight of the loaded wagon [kg].</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	WeightValueKilo												
properties	content simple												
used by	elements Wagons/WagonDetails WagonInformation												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999999</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>collapse</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	999999		whiteSpace	collapse	
Kind	Value	Annotation											
minInclusive	0												
maxInclusive	999999												
whiteSpace	collapse												
annotation	documentation Total weight of the loaded wagon [kg].												
source	<pre><xs:element name="TotalWeight" type="WeightValueKilo"> <xs:annotation> <xs:documentation>Total weight of the loaded wagon [kg].</xs:documentation> </xs:annotation> </xs:element></pre>												

element **TractionDetails**

diagram	<p>LocoTypeNumber</p> <p>TypeOfUsedHybridPowerunit</p> <p>TractionDetails</p> <p>TractionMode</p> <p>TractionWeight</p> <p>Length</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LocoTypeNumber TypeOfUsedHybridPowerunit TractionMode TractionWeight Length

used by	element PlannedTrainTechnicalData
annotation	documentation Defines the design series, mode of deployment and technical specifications associated with the traction of a train.
source	<pre> <xs:element name="TractionDetails"> <xs:annotation> <xs:documentation>Defines the design series, mode of deployment and technical specifications associated with the traction of a train.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="LocoTypeNumber"/> <xs:element ref="TypeOfUsedHybridPowerunit" minOccurs="0"> <xs:annotation> <xs:documentation>Indication of type of power unit of a hybrid loco which is used; it has be filled only mandatory in case of hybrid locomotive</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="TractionMode" minOccurs="0"> <xs:annotation> <xs:documentation>Identifies the mode of deployment of a traction unit within a train</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="TractionWeight" minOccurs="0"> <xs:annotation> <xs:documentation>Check with group to see if it is for sum or individual - check TAP</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="Length" minOccurs="0"> <xs:annotation> <xs:documentation>Length in milimetres - Used for TAP</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element **TractionPositionInTrain**

diagram	<p>TractionPositionInTrain Identifies position of intermediate traction unit(s) in the train indicating after which wagon (specified by order number) the unit is placed.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
used by	element TrainCompositionJourneySection/Locoldent
facets	Kind Value Annotation minInclusive 01

	maxInclusive 99
annotation	<p>documentation Identifies position of intermediate traction unit(s) in the train indicating after which wagon (specified by order number) the unit is placed.</p>
source	<pre><xs:element name="TractionPositionInTrain"> <xs:annotation> <xs:documentation>Identifies position of intermediate traction unit(s) in the train indicating after which wagon (specified by order number) the unit is placed.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive>01</xs:minInclusive> <xs:maxInclusive>99</xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **TractionWeight**

diagram	TractionWeight The weight of the traction unit									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	WeightValueTonne									
properties	content simple									
used by	element TractionDetails									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	99999	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	99999									
annotation	<p>documentation The weight of the traction unit</p>									
source	<pre><xs:element name="TractionWeight" type="WeightValueTonne"> <xs:annotation> <xs:documentation>The weight of the traction unit</xs:documentation> </xs:annotation> </xs:element></pre>									

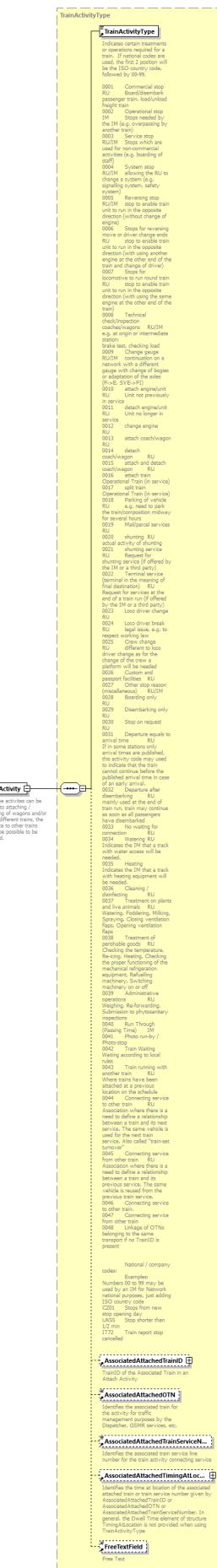
element **TrafficType**

diagram	TrafficType information about the type of traffic (combined, rolling highway, etc). It is added here as a placeholder for coded values (e.g. from Meritis)			
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1			
type	restriction of xs:string			
properties	content simple			
used by	element PlannedTrainData			
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> </table>	Kind	Value	Annotation
Kind	Value	Annotation		

	minLength 1 maxLength 2
annotation	documentation information about the type of traffic (combined, rolling highway, etc). It is added here as a placeholder for coded values (e.g. from Merits)
source	<pre> <xs:element name="TrafficType"> <xs:annotation> <xs:documentation>information about the type of traffic (combined, rolling highway, etc). It is added here as a placeholder for coded values (e.g. from Merits)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="2"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **TrainActivity**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	TrainActivityType
properties	content complex
children	TrainActivityType AssociatedAttachedTrainID AssociatedAttachedOTN AssociatedAttachedTrainServiceNumber AssociatedAttachedTimingAtLocation FreeTextField
used by	elements TrainRunningData/Activities PlannedJourneyLocation
annotation	documentation Since the activites can be related to attaching / detaching of wagons and/or cars to different trains, the reference to other trains should be possible to be indicated.
source	<pre><xs:element name="TrainActivity" type="TrainActivityType"> <xs:annotation> <xs:documentation>Since the activites can be related to attaching / detaching of wagons and/or cars to different trains, the reference to other trains should be possible to be indicated.</xs:documentation> </xs:annotation> </xs:element></pre>

element **TrainActivityType**

diagram	<p>TrainActivityType</p> <p>Indicates certain treatments or operations required for a train. If two codes are used, the first 2 position will be the ISO country code, followed by 00-99.</p> <p>0001 Commercial stop RU Boarding/Alighting passenger train, load/unload luggage</p> <p>0002 Operational stop IM Stops needed by the IM (e.g. stops caused by another train)</p> <p>0003 Stop RU/IM Stops which are used for non-commercial activities (e.g. boarding of staff)</p> <p>0004 Reversing stop RU/IM Change the RU to change a system (e.g. signalling systems, safety systems)</p> <p>0005</p> <p>0006 Stops for reversing moves of the train unit RU Stop to enable train unit to run in the opposite direction (with another engine at the other end of the train (not the driver))</p> <p>0007 Stop for locomotive to run round train RU Stop to enable train unit to run in the opposite direction (with the same engine at the other end of the train)</p> <p>0008 Technical check/inspection code/vehicle/IM RU/IM e.g. at stations or intermediate stations brake test, checking load</p> <p>0009 Change gauge RU/IM Continuation on a network with a different gauge with change of bogies or bogie sets (e.g. axles (F-E, SVE-R))</p> <p>0010 Attach engine/unit RU Engine/unit not ready in service</p> <p>0011 Attach engine/unit RU Locomotive in service</p> <p>0012 change engine</p> <p>0013 attach coach/wagon</p> <p>0014 detach</p> <p>0015 attach to RU</p> <p>0016 attach and detach coach/wagon</p> <p>0017 Operational Train (in service)</p> <p>0018 Parking of vehicle RU Stop to park the train/composition midway for several hours</p> <p>0019 Operational services</p> <p>0020 shunting RU actual activity of shunting</p> <p>0021 shunting service RU Shunting service</p> <p>0022 shunting services (if offered by the train operator)</p> <p>0023 Terminal service terminating in the meaning of Article 2(1) of Directive 2001/14/EC Request for services at the end of a train run (if offered by the train operator)</p> <p>0024 Loco driver change RU</p> <p>0025 Loco driver break RU Legal issue, e.g. to respect working time</p> <p>0026 Crew change RU Change of the crew, also driver change as for the change of the crew a platform is intended</p> <p>0027 Driver stop reason (miscellaneous). RU/IM</p> <p>0028 Boarding only RU</p> <p>0029 Disembarking only RU</p> <p>0030 Stop on request RU</p> <p>0031 Departure equals to arrival time RU (for stations only) arrival times are published, this activity may be used to indicate that the train cannot conclude before the publication of the case of an early arrival.</p> <p>0032 Departure after disembarkation RU mainly used at the end of stops where passengers leave as soon as all passengers have disembarked</p> <p>0033 Waiting time for connection RU</p> <p>0034 Transport RU Indicates that the that a track with water access will be needed.</p> <p>0035 Heating Indicates that the that a track with heating equipment will be needed.</p> <p>0036 Cleaning / disinfecting RU</p> <p>0037 Treatment on plants and live animals RU Watering, Foddering, Milking, Supplying, Cleaning, Separation, Rags, Opening ventilation flaps</p> <p>0038 Treatment of perishable goods RU Cleaning, heating, cooling, Recycling, Heating, Checking the proper functioning of the machinery, Refilling, Cleaning equipment, Refuelling machinery, Switching machinery off</p> <p>0039 Administrative operation RU Weighing, Re-forwarding, Submission to physiostatary, incorporation</p> <p>0040 Run Through (Yestay, Today, Tomorrow) RU</p> <p>0041 Photo-stop RU</p> <p>0042 Train Walking Walking according to local rules</p> <p>0043 Train running with another train RU Where trains have been attached at a previous location on the schedule</p> <p>0044 Connecting service to other train RU Association where there is a need to define a relationship between a train and its next passenger train block, also used for the next train service. Also called "train-set hopping".</p> <p>0045 Connecting service from other train RU Association where there is a need to define a relationship between a train and its previous service. The same vehicles may be used for the previous train service.</p> <p>0046 Connecting service to other train</p> <p>0047 Connecting service from other train</p> <p>0048 Stop of a train of OTNs belonging to the same transport if no trainID is present</p> <p>National / company codes: Examples: Numbers 0 to 99 may be used for specific national purposes, just adding ISO country code Code: Stop from new stop opening day Unit: Stop shorter than 1/2 min 1772 Train report stop cancelled</p>
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namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																										
type	restriction of xs:string																										
properties	content simple																										
used by	complexType TrainActivityType																										
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>minLength</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>						Kind	Value	Annotation					minLength	4						maxLength	4					
Kind	Value	Annotation																									
minLength	4																										
maxLength	4																										
annotation	<p>documentation</p> <p>Indicates certain treatments or operations required for a train. If national codes are used, the first 2 position will be the ISO country code, followed by 00-99.</p> <p>0001 Commercial stop RU Board/disembark passenger train, freight</p> <p>0002 Operational stop IM Stops needed by the IM (e.g. overpassing by another train)</p> <p>0003 Service stop RU/IM Stops which are used for non-commercial activities (e.g. boarding of staff)</p> <p>0004 System stop RU/IM allowing the RU to change a system (e.g. signalling system, safety system)</p> <p>0005 Reversing stop RU/IM stop to enable train unit to run in the opposite direction (without change of engine)</p> <p>0006 Stops for reversing move or driver change ends RU stop to enable train unit to run in the opposite direction (with using another engine at the other end of the train and change of driver)</p> <p>0007 Stops for locomotive to run round train RU stop to enable train unit to run in the opposite direction (with using the same engine at the other end of the train)</p> <p>0008 Technical check/inspection coaches/wagons RU/IM e.g. at origin or intermediate station: brake test, checking load</p> <p>0009 Change gauge RU/IM continuation on a network with a different gauge with change of bogies or adaptation of the axles (F->E, SVE->FI)</p> <p>0010 attach engine/unit RU Unit not previously in service</p> <p>0011 detach engine/unit RU Unit no longer in service</p> <p>0012 change engine RU</p> <p>0013 attach coach/wagon RU</p> <p>0014 detach coach/wagon RU</p> <p>0015 attach and detach coach/wagon RU</p> <p>0016 attach train Operational Train (in service)</p> <p>0017 split train Operational Train (in service)</p> <p>0018 Parking of vehicle RU e.g. need to park the train/composition midway for several hours</p> <p>0019 Mail/parcel services RU</p> <p>0020 shunting RU actual activity of shunting</p> <p>0021 shunting service RU Request for shunting service (if offered by the IM or a third party)</p> <p>0022 Terminal service (terminal in the meaning of final destination) RU Request for services at the end of a train run (if offered by the IM or a third party)</p> <p>0023 Loco driver change RU</p> <p>0024 Loco driver break RU legal issue, e.g. to respect working law</p> <p>0025 Crew change RU different to loco driver change as for the change of the crew a platform will be needed</p> <p>0026 Custom and passport facilities RU</p> <p>0027 Other stop reason (miscellaneous) RU/IM</p> <p>0028 Boarding only RU</p> <p>0029 Disembarking only RU</p> <p>0030 Stop on request RU</p> <p>0031 Departure equals to arrival time RU If in some stations only arrival times are published, this activity code may be used to indicate that the train cannot continue before the published arrival time in case of an early arrival.</p> <p>0032 Departure after disembarking RU mainly used at the end of train run, train may continue as soon as all passengers have disembarked</p> <p>0033 No waiting for connection RU</p> <p>0034 Watering RU Indicates the IM that a track with water access will be needed.</p> <p>0035 Heating RU Indicates the IM that a track with heating equipment will be needed.</p> <p>0036 Cleaning / disinfecting RU</p> <p>0037 Treatment on plants and live animals RU Watering, Foddering, Milking, Spraying, Closing ventilation flaps, Opening ventilation flaps</p> <p>0038 Treatment of perishable goods RU Checking the temperature, Re-icing, Heating, Checking</p>																										

	<p>the proper functioning of the mechanical refrigeration equipment, Refuelling machinery, Switching machinery on or off</p> <p>0039 Administrative operations RU Weighing, Re-forwarding, Submission to phytosanitary inspections</p> <p>0040 Run Through (Passing Time) IM</p> <p>0041 Photo run-by / Photo-stop</p> <p>0042 Train Waiting Waiting according to local rules</p> <p>0043 Train running with another train RU Where trains have been attached at a previous location on the schedule</p> <p>0044 Connecting service to other train RU Association where there is a need to define a relationship between a train and its next service. The same vehicle is used for the next train service. Also called "train-set turnover"</p> <p>0045 Connecting service from other train RU Association where there is a need to define a relationship between a train and its previous service. The same vehicle is reused from the previous train service.</p> <p>0046 Connecting service to other train</p> <p>0047 Connecting service from other train</p> <p>0048 Linkage of OTNs belonging to the same transport if no TrainID is present</p> <p>National / company codes: Examples: Numbers 00 to 99 may be used by an IM for Network national purposes, just adding ISO country code</p> <p>CZ01 Stops from new stop opening day</p> <p>UK55 Stop shorter than 1/2 min</p> <p>IT72 Train report stop cancelled</p>
source	<pre> <xs:element name="TrainActivityType"> <xs:annotation> <xs:documentation>Indicates certain treatments or operations required for a train. If national codes are used, the first 2 position will be the ISO country code, followed by 00-99. 0001 Commercial stop RU Board/disembark passenger train, load/unload freight train 0002 Operational stop IM Stops needed by the IM (e.g. overpassing by another train) 0003 Service stop RU/IM Stops which are used for non-commercial activities (e.g. boarding of staff) 0004 System stop RU/IM allowing the RU to change a system (e.g. signalling system, safety system) 0005 Reversing stop RU/IM stop to enable train unit to run in the opposite direction (without change of engine) 0006 Stops for reversing move or driver change ends RU stop to enable train unit to run in the opposite direction (with using another engine at the other end of the train and change of driver) 0007 Stops for locomotive to run round train RU stop to enable train unit to run in the opposite direction (with using the same engine at the other end of the train) 0008 Technical check/inspection coaches/wagons RU/IM e.g. at origin or intermediate station: brake test, checking load 0009 Change gauge RU/IM continuation on a network with a different gauge with change of bogies or adaptation of the axles (F->E, SVE->FI) 0010 attach engine/unit RU Unit not previously in service 0011 detach engine/unit RU Unit no longer in service 0012 change engine RU 0013 attach coach/wagon RU 0014 detach coach/wagon RU 0015 attach and detach coach/wagon RU 0016 attach train Operational Train (in service) 0017 split train Operational Train (in service) 0018 Parking of vehicle RU e.g. need to park the train/composition </xs:documentation> </xs:annotation> </xs:element> </pre>

	midway for several hours
0019	Mail/parcel services RU
0020	shunting RU actual activity of shunting
0021	shunting service RU Request for shunting service (if offered by the IM or a third party)
0022	Terminal service (terminal in the meaning of final destination) RU Request for services at the end of a train run (if offered by the IM or a third party)
0023	Loco driver change RU
0024	Loco driver break RU legal issue, e.g. to respect working law
0025	Crew change RU different to loco driver change as for the change of the crew a platform will be needed
0026	Custom and passport facilities RU
0027	Other stop reason (miscellaneous) RU/IM
0028	Boarding onlyRU
0029	Disembarking only RU
0030	Stop on request RU
0031	Departure equals to arrival time RU If in some stations only arrival times are published, this activity code may be used to indicate that the train cannot continue before the published arrival time in case of an early arrival.
0032	Departure after disembarking RU mainly used at the end of train run, train may continue as soon as all passengers have disembarked
0033	No waiting for connection RU
0034	Watering RU Indicates the IM that a track with water access will be needed.
0035	Heating RU Indicates the IM that a track with heating equipment will be needed.
0036	Cleaning / disinfecting RU
0037	Treatment on plants and live animals RU Watering, Foddering, Milking, Spraying, Closing ventilation flaps, Opening ventilation flaps
0038	Treatment of perishable goods RU Checking the temperature, Re-icing, Heating, Checking the proper functioning of the mechanical refrigeration equipment, Refuelling machinery, Switching machinery on or off
0039	Administrative operations RU Weighing, Re-forwarding, Submission to phytosanitary inspections
0040	Run Through (Passing Time) IM
0041	Photo run-by / Photo-stop
0042	Train Waiting Waiting according to local rules
0043	Train running with another train RU Where trains have been attached at a previous location on the schedule
0044	Connecting service to other train RU Association where there is a need to define a relationship between a train and its next service. The same vehicle is used for the next train service. Also called "train-set turnover"
0045	Connecting service from other train RU Association where there is a need to define a relationship between a train and its previous service. The same vehicle is reused from the previous train service.
0046	Connecting service to other train.
0047	Connecting service from other train
0048	Linkage of OTNs belonging to the same transport if no TrainID is present
	National / company codes: Examples: Numbers 00 to 99 may be used by an IM for Network national purposes, just adding ISO country code CZ01 Stops from new stop opening day

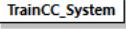
	UK55 Stop shorter than 1/2 min IT72 Train report stop cancelled <pre></xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element></pre>	<code>base="xs:string"></code> <code>value="4"/></code> <code>value="4"/></code>
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element **TrainAtLocation**

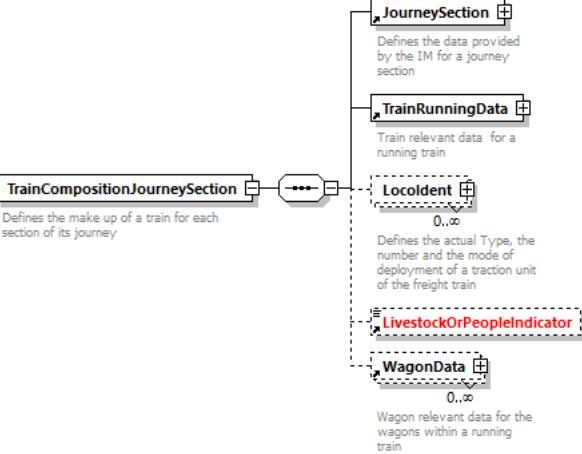
diagram	<pre> classDiagram class TrainAtLocation { <<Specifies information about a train at a specific location>> } class TrainLocationStatus { <<Identifies the status of a train related to the actual time at a reporting point>> } class OperationalTrainNumberIdentifier { <<Identifies the Operational Train Number Identifier>> } class ReferenceOTN { <<Identifies the Reference Operational Train Number Identifier>> } class TrainOperationalIdentification { <<Identifies the Train Operational Identification>> } class BookedLocationDateTime { <<Scheduled Date and Time of a train at a specified location as defined in the path contract>> } class ReferencedLocationDateTime { <<Reference to original planned Date and Time agreed by all involved IMs and RUs.>> } class LocationDateTime { <<Identifies the actual or forecasted Date / Time at a specific reporting point>> } class TrainDelay { <<Identifies the Delta delay time of a train against the booked schedule as well as against the referenced time>> } TrainAtLocation "2" --> TrainLocationStatus TrainLocationStatus "1" --> OperationalTrainNumberIdentifier TrainLocationStatus "1" --> ReferenceOTN TrainLocationStatus "1" --> TrainOperationalIdentification TrainLocationStatus "1" --> BookedLocationDateTime TrainLocationStatus "1" --> ReferencedLocationDateTime TrainLocationStatus "1" --> LocationDateTime TrainLocationStatus "1" --> TrainDelay </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	TrainLocationStatus OperationalTrainNumberIdentifier ReferenceOTN TrainOperationalIdentification BookedLocationDateTime ReferencedLocationDateTime LocationDateTime TrainDelay
used by	element TrainForecastAtReportingLocationMessage
annotation	documentation Specifies information about a train at a specific location
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="TrainLocationStatus"/> <xs:element ref="OperationalTrainNumberIdentifier"/> <xs:element ref="ReferenceOTN" minOccurs="0"/> <xs:element ref="TrainOperationalIdentification" minOccurs="0"/> <xs:element ref="BookedLocationDateTime"/> <xs:element ref="ReferencedLocationDateTime" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:element <xs:element </xs:sequence> </xs:complexType> </xs:element> </pre>	ref="LocationDateTime"/> ref="TrainDelay"/>
--	---	--

element TrainCC_System

diagram	 <p>Identifies the command control system of the train in coded values.</p>
namespace	http://www.era.europa.eu/schemas/TAFTSI/3.1
type	TrainCC_SystemCode
used by	elements PlannedTrainTechnicalData TrainRunningTechData
annotation	documentation Identifies the command control system of the train in coded values.
source	<pre> <xs:element name="TrainCC_System" type="TrainCC_SystemCode"> <xs:annotation> <xs:documentation>Identifies the command control system of the train in coded values.</xs:documentation> </xs:annotation> </xs:element> </pre>

element TrainCompositionJourneySection

diagram	 <p>Defines the make up of a train for each section of its journey</p>
namespace	http://www.era.europa.eu/schemas/TAFTSI/3.1
properties	content complex
children	JourneySection TrainRunningData Locoldent LivestockOrPeopleIndicator WagonData
used by	element TrainCompositionMessage
annotation	documentation Defines the make up of a train for each section of its journey
source	<pre> <xs:element name="TrainCompositionJourneySection"> <xs:annotation> <xs:documentation>Defines the make up of a train for each section of its journey</xs:documentation> </xs:annotation> </xs:element> </pre>

	<pre> </xs:annotation> <xss:complexType> <xss:sequence> <xss:element ref="JourneySection"/> <xss:element ref="TrainRunningData"/> <xss:element name="LocoIdent" minOccurs="0" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Defines the actual Type, the number and the mode of deployment of a traction unit of the freight train</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="TractionType"/> <xss:element ref="LocoTypeNumber" minOccurs="0"/> <xss:element ref="LocoNumber" minOccurs="0"/> <xss:element ref="TractionMode" minOccurs="0"/> <xss:element name="DriverIndication" minOccurs="0"> <xss:annotation> <xss:documentation>0 - no driver present in Loco, 1 - driver(s) is /are) present in Loco</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction base="xs:integer"> <xss:enumeration value="0"/> <xss:enumeration value="1"/> </xss:restriction> </xss:simpleType> </xss:element> <xss:element ref="TractionPositionInTrain" minOccurs="0"/> </xss:sequence> </xss:complexType> </xss:element> <xss:element ref="LivestockOrPeopleIndicator" minOccurs="0" maxOccurs="1"/> <xss:element ref="WagonData" minOccurs="0" maxOccurs="unbounded"/> </xss:sequence> </xss:complexType> </xss:element> </pre>
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element **TrainCompositionJourneySection/LocIdent**

diagram	<pre> classDiagram class LocIdent { <<0..>> association "LocoTypeNumber" association "LocoNumber" association "TractionMode" association "DriverIndication" association "TractionPositionInTrain" } class TractionType class LocoTypeNumber class LocoNumber class TractionMode class DriverIndication class TractionPositionInTrain LocIdent --> TractionType LocIdent --> LocoTypeNumber LocIdent --> LocoNumber LocIdent --> TractionMode LocIdent --> DriverIndication LocIdent --> TractionPositionInTrain </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc unbounded content complex
children	TractionType LocoTypeNumber LocoNumber TractionMode DriverIndication TractionPositionInTrain
annotation	<p>documentation</p> <p>Defines the actual Type, the number and the mode of deployment of a traction unit of the freight train</p>
source	<pre> <xs:element name="LocoIdent" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Defines the actual Type, the number and the mode of deployment of a traction unit of the freight train</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TractionType" /> <xs:element ref="LocoTypeNumber" /> <xs:element ref="LocoNumber" /> <xs:element ref="TractionMode" /> <xs:element name="DriverIndication" minOccurs="0"> <xs:annotation> <xs:documentation>0 - no driver present in Loco, 1 - driver(s) is /are present in Loco</xs:documentation> <xs:annotation>present in Loco</xs:annotation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="TractionPositionInTrain" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **TrainCompositionJourneySection/Locoident/DriverIndication**

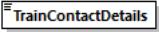
diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	<table> <tr> <td>minOcc</td><td>0</td></tr> <tr> <td>maxOcc</td><td>1</td></tr> <tr> <td>content</td><td>simple</td></tr> </table>	minOcc	0	maxOcc	1	content	simple			
minOcc	0									
maxOcc	1									
content	simple									
facets	<table> <tr> <td>Kind</td><td>Value</td><td>Annotation</td></tr> <tr> <td>enumeration</td><td>0</td><td></td></tr> <tr> <td>enumeration</td><td>1</td><td></td></tr> </table>	Kind	Value	Annotation	enumeration	0		enumeration	1	
Kind	Value	Annotation								
enumeration	0									
enumeration	1									
annotation	documentation 0 - no driver present in Loco, 1 - driver(s) is /are) present in Loco									
source	<pre> <xs:element name="DriverIndication" minOccurs="0"> <xs:annotation> <xs:documentation>0 - no driver present in Loco, 1 - driver(s) is /are) present in Loco</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element **TrainCompositionMessage**

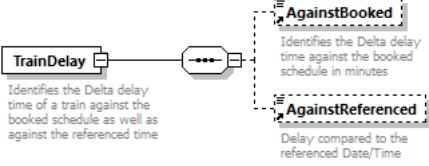
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader MessageStatus TransportOperationalIdentifiers OperationalTrainNumberIdentifier ReferenceOTN TransferPoint TransfereeIM TrainCompositionJourneySection
annotation	documentation

	This message is sent from an RU to an IM defining the composition of the proposed train.
source	<pre> <xs:element name="TrainCompositionMessage"> <xs:annotation> <xs:documentation>This message is sent from an RU to an IM defining the composition of the proposed train.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"/> <xs:element ref="TransportOperationalIdentifiers" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="OperationalTrainNumberIdentifier"/> <xs:element ref="ReferenceOTN" minOccurs="0"/> <xs:element ref="TransferPoint" minOccurs="0"/> <xs:element ref="TransfereeIM" minOccurs="0"/> <xs:element ref="TrainCompositionJourneySection" maxOccurs="99"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

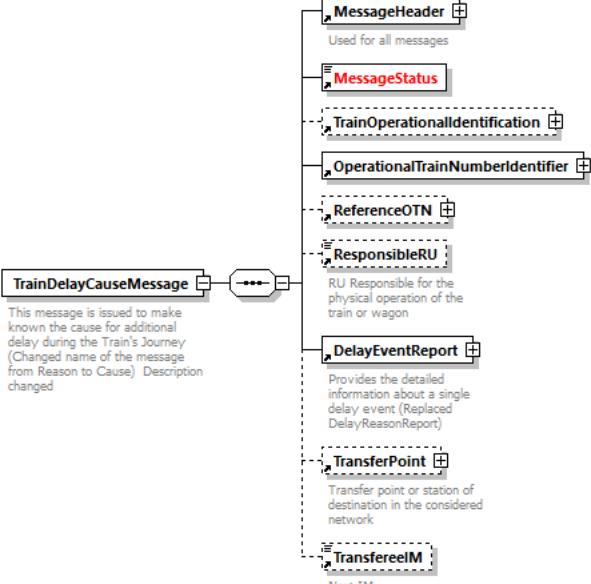
element TrainContactDetails

diagram	 <p>Contact to driver of leading traction unit. This contact can be mobile phone number, GSM-R call number or e.g. details for an analogue radio call.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	CommunicationRefID									
properties	content simple									
used by	element TrainReadyMessage									
facets	<table> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>70</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	70	
Kind	Value	Annotation								
minLength	1									
maxLength	70									
annotation	<p>documentation</p> <p>Contact to driver of leading traction unit. This contact can be mobile phone number, GSM-R call number or e.g. details for an analogue radio call.</p>									
source	<pre> <xs:element name="TrainContactDetails" type="CommunicationRefID"> <xs:annotation> <xs:documentation>Contact to driver of leading traction unit. This contact can be mobile phone number, GSM-R call number or e.g. details for an analogue radio call.</xs:documentation> </xs:annotation> </xs:element> </pre>									

element **TrainDelay**

diagram	 <p>Identifies the Delta delay time of a train against the booked schedule as well as against the referenced time</p> <p>AgainstBooked Identifies the Delta delay time against the booked schedule in minutes</p> <p>AgainstReferenced Delay compared to the referenced Date/Time</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	AgainstBooked AgainstReferenced
used by	elements TrainAtLocation TrainLocationReport TrainReadyMessage/TrainReadyStatus TrainReadyStatus
annotation	documentation Identifies the Delta delay time of a train against the booked schedule as well as against the referenced time
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 referenced time</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="AgainstBooked" minOccurs="0"/> <xs:element ref="AgainstReferenced" minOccurs="0"/> <xs:annotation> <xs:documentation>Delay compared to the referenced Date/Time</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **TrainDelayCauseMessage**

diagram	 <p>This message is issued to make known the cause for additional delay during the Train's Journey (Changed name of the message from Reason to Cause). Description changed</p> <p>MessageHeader Used for all messages</p> <p>MessageStatus</p> <p>TrainOperationalIdentification</p> <p>OperationalTrainNumberIdentifier</p> <p>ReferenceOTN</p> <p>ResponsibleRU RU Responsible for the physical operation of the train or wagon</p> <p>DelayEventReport Provides the detailed information about a single delay event (Replaced DelayReasonReport)</p> <p>TransferPoint Transfer point or station of destination in the considered network</p> <p>TransfereeIM Next IM</p>
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namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader MessageStatus TrainOperationalIdentification OperationalTrainNumberIdentifier ReferenceOTN ResponsibleRU DelayEventReport TransferPoint TransfereeIM
annotation	documentation This message is issued to make known the cause for additional delay during the Train's Journey (Changed name of the message from Reason to Cause) Description changed
source	<pre> <xs:element name="TrainDelayCauseMessage"> <xs:annotation> <xs:documentation>This message is issued to make known the cause for additional delay during the Train's Journey (Changed name of the message from Reason to Cause) Description changed</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"/> <xs:element ref="TrainOperationalIdentification" minOccurs="0"/> <xs:element ref="OperationalTrainNumberIdentifier"/> <xs:element ref="ReferenceOTN" minOccurs="0"/> <xs:element ref="ResponsibleRU" minOccurs="0"/> <xs:element ref="DelayEventReport" /> <xs:element ref="TransferPoint" minOccurs="0"/> <xs:element ref="TransfereeIM" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **TrainForecastAtReportingLocationMessage**

diagram	<p>This message is issued following receipt of an enquiry about train forecasts at a particular reporting location. It gives a report of the forecasted time for all trains of the enquirer at a specified location.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader MessageStatus Location TrainAtLocation
annotation	documentation This message is issued following receipt of an enquiry about train forecasts at a particular reporting location. It gives a report of the forecasted time for all trains of the enquirer at a specified location.
source	<pre> <xs:element name="TrainForecastAtReportingLocationMessage"> <xs:annotation> <xs:documentation>This message is issued following receipt of an enquiry about train forecasts at a particular reporting location. It gives a report of the forecasted time for all trains of the enquirer at a specified location.</xs:documentation> </xs:annotation> <xs:complexType> </pre>

	<pre> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"/> <xs:element ref="Location"/> <xs:element ref="TrainAtLocation"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element TrainID

diagram	<pre> classDiagram class CompositIdentifierOperationalType { ObjectType Company Core Variant TimetableYear } TrainID "1..1" -- "0..1" CompositIdentifierOperationalType : TrainID note over TrainID : TrainID is a composite identifier </pre>
namespace	http://www.era.europa.eu/schemas/TAFTSI/3.1
type	CompositIdentifierOperationalType
properties	content complex
children	ObjectType Company Core Variant TimetableYear StartDate
used by	elements ArrivalInterchangeReport DepartureInterchangeReport
source	<code><xs:element name="TrainID" type="CompositIdentifierOperationalType"/></code>

element **TrainInformation**

diagram	<pre> classDiagram class TrainInformation { <<Train information provided by the RUs as an overview for the entire train journey from origin to destination>> } class PlannedJourneyLocation { <<Any operation point along a train journey>> } class PlannedCalendar { <<This is the master calendar for Path Request. Contains BitmapDays as well as DayOfStart element, one of them has to be always present. Applications have to provide the data accordingly.>> } class PathPlanningReferenceLocation { <<It has to be indicated whether the path planning (direction of construction) is carried out at the traindeparturepoint (origin), intermediate or traindestinationpoint. The operation point referenced here MUST have a calendar/dayOfDeparture entry - applications have to check this.>> } TrainInformation < -- PlannedJourneyLocation TrainInformation < -- PlannedCalendar TrainInformation < -- PathPlanningReferenceLocation </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	PlannedJourneyLocation PlannedCalendar PathPlanningReferenceLocation
used by	element PathRequestMessage
annotation	<p>documentation</p> <p>Train information provided by the RUs as an overview for the entire train journey from origin to destination</p>
source	<pre> <xss:element name="TrainInformation"> <xss:annotation> <xss:documentation>Train information provided by the RUs as an overview for the entire train journey from origin to destination</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="PlannedJourneyLocation" minOccurs="2" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Any operation point along a train journey</xss:documentation> </xss:annotation> </xss:element> <xss:element ref="PlannedCalendar"> <xss:annotation> <xss:documentation>This is the master calendar for Path Request. Contains BitmapDays as well as DayOfStart element. one of them has to be always present. Applications have to provide the data accordingly.</xss:documentation> </xss:annotation> </xss:element> <xss:element name="PathPlanningReferenceLocation"> <xss:annotation> <xss:documentation>It has to be indicated whether the path planning (direction of construction) is carried out at the traindeparturepoint (origin), intermediate or traindestinationpoint. The operation point referenced here MUST have a calendar/dayOfDeparture entry - applications have to check this.</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> <xss:complexType> <xss:complexContent> <xss:extension base="LocationIdent"/> </xss:complexContent> </xss:complexType> </xss:complexType> </xss:element> </pre>

	<pre> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element TrainInformation/PathPlanningReferenceLocation

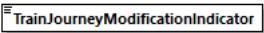
diagram	<pre> classDiagram class PathPlanningReferenceLocation { <<extension of LocationIdent>> <<CountryCodeISO>> <<LocationPrimaryCode>> <<PrimaryLocationName>> <<LocationSubsidiaryIdentification>> } </pre> <p>It has to be indicated whether the path planning (direction of construction) is carried out at the traindeparturepoint (origin), intermediate or traindestinationpoint. The operation point referenced here MUST have a calendar/dayOfDeparture entry - applications have to check this.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	<p>documentation</p> <p>It has to be indicated whether the path planning (direction of construction) is carried out at the traindeparturepoint (origin), intermediate or traindestinationpoint. The operation point referenced here MUST have a calendar/dayOfDeparture entry - applications have to check this.</p>
source	<pre> <xs:element name="PathPlanningReferenceLocation"> <xs:annotation> <xs:documentation>It has to be indicated whether the path planning (direction of construction) is carried out at the traindeparturepoint (origin), intermediate or traindestinationpoint. The operation point referenced here MUST have a calendar/dayOfDeparture entry - applications have to check this.</xs:documentation> <xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="LocationIdent"/> </xs:complexContent> </xs:complexType> </xs:annotation> </xs:annotation> </pre>

element TrainJourneyModification

diagram	<pre> classDiagram class TrainJourneyModification { <<TrainJourneyModificationIndicator>> <<LocationModified>> } </pre> <p>This element shows which locations are changed during the running of a train</p> <p>This element shows the Location that has been changed for the train run</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

properties	content complex
children	TrainJourneyModificationIndicator LocationModified
used by	element TrainJourneyModificationMessage
annotation	documentation This element shows which locations are changed during the running of a train
source	<pre> <xs:element name="TrainJourneyModification"> <xs:annotation> <xs:documentation>This element shows which locations are changed during the running of a train</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TrainJourneyModificationIndicator"/> <xs:element ref="LocationModified" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element TrainJourneyModificationIndicator

diagram	 <p>This indicates what has changed in the train running e.g. rerouting, cancellation etc..</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	content simple									
used by	element TrainJourneyModification									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	99	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	99									
annotation	documentation This indicates what has changed in the train running e.g. rerouting, cancellation etc..									
source	<pre> <xs:element name="TrainJourneyModificationIndicator"> <xs:annotation> <xs:documentation>This indicates what has changed in the train running e.g. rerouting, cancellation etc..</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element TrainJourneyModificationMessage

diagram	<pre> classDiagram class MessageHeader { Used for all messages } class MessageStatus { Assigned by the Sender 1=Creation, 2=Modification, 3=deletion } class TrainOperationalIdentification class OperationalTrainNumberIdentifier class ReferenceOTN class TrainJourneyModification { This element shows which locations are changed during the running of a train 1..∞ } class ModificationReason { Identifies the reason for the train journey being modified } class TrainJourneyModificationTime { Indicates the time time when the modification was made to the train journey } class Remarks { 0..∞ Free Form Text } class TransferPoint { Transfer point or station of destination in the considered network where the Reference Train Numbers refers to } class InternalReferenceIdentifier { The link to the IM System Reference } class TransfereeIM { Next IM } TrainJourneyModificationMessage < -- TrainJourneyModification TrainJourneyModificationMessage --> TrainJourneyModification TrainJourneyModificationMessage --> TransferPoint TrainJourneyModificationMessage --> InternalReferenceIdentifier TrainJourneyModificationMessage --> TransfereeIM </pre> <p>This message is issued to show, in real time, that the train is rerouted-cancelled-stopping pattern is changed</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader MessageStatus TrainOperationalIdentification OperationalTrainNumberIdentifier ReferenceOTN TrainJourneyModification ModificationReason TrainJourneyModificationTime Remarks TransferPoint InternalReferenceIdentifier TransfereeIM
annotation	<p>documentation</p> <p>This message is issued to show, in real time, that the train is rerouted-cancelled-stopping pattern is changed</p>
source	<pre> <x:element name="TrainJourneyModificationMessage"> <x:annotation> <x:documentation> This message is issued to show, in real time, that the train is rerouted-cancelled-stopping pattern is changed</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element ref="MessageHeader"/> <x:element ref="MessageStatus"/> <x:annotation> <x:documentation>Assigned by the Sender 1=Creation, 2=Modification, 3=deletion</x:documentation> </x:annotation> <x:element ref="TrainOperationalIdentification" minOccurs="0"/> <x:element ref="OperationalTrainNumberIdentifier"/> <x:element ref="ReferenceOTN" minOccurs="0"/> </x:sequence> </x:complexType> </x:element> </pre>

	<pre> <xs:element ref="TrainJourneyModification" maxOccurs="unbounded"/> <xs:element ref="ModificationReason" minOccurs="0"/> <xs:element ref="TrainJourneyModificationTime" minOccurs="0"/> <xs:element ref="Remarks" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="TransferPoint" minOccurs="0"> <xs:annotation> <xs:documentation>Transfer point or station of destination in the considered network where the Reference Train Numbers refers to </xs:documentation> </xs:annotation> </xs:element> <xs:element ref="InternalReferenceIdentifier" minOccurs="0"/> <xs:element ref="TransfereeIM" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element TrainJourneyModificationTime

diagram	<p>Indicates the time time when the modification was made to the train journey</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element TrainJourneyModificationMessage
annotation	documentation Indicates the time time when the modification was made to the train journey
source	<pre> <xs:element name="TrainJourneyModificationTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Indicates the time time when the modification was made to the train journey</xs:documentation> </xs:annotation> </xs:element> </pre>

element TrainJourneyStartTime

diagram	<p>The precise time at which the train should present itself on the network</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
annotation	documentation The precise time at which the train should present itself on the network
source	<pre> <xs:element name="TrainJourneyStartTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>The precise time at which the train should present itself on the network</xs:documentation> </xs:annotation> </xs:element> </pre>

	<code></xs:element></code>
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element TrainLength

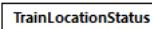
diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	Numeric4-4									
properties	content simple									
used by	elements PlannedTrainTechnicalData TrainRunningTechData									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0001</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>9999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0001		maxInclusive	9999	
Kind	Value	Annotation								
minInclusive	0001									
maxInclusive	9999									
annotation	<p>documentation</p> <p>The calculated Length of a train (sum of all length over buffer of the wagons and traction units). Expressed in Metres</p>									
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 TrainLocationReport

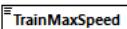
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex

children	Location LocationDateTime TrainLocationStatus BookedLocationDateTime ReferencedLocationDateTime TrainDelay GeoLocalisationOnNetwork
used by	elements TrainRunningForecastMessage TrainRunningInformationMessage
annotation	documentation Specifies the relevant running data of a train related to a specific location
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="LocationDateTime"/> <xs:element ref="TrainLocationStatus"/> <xs:element ref="BookedLocationDateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Scheduled Date and Time of a train at a specified location as defined in the path contract</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="ReferencedLocationDateTime" minOccurs="0"/> <xs:element ref="TrainDelay" minOccurs="0"/> <xs:element ref="GeoLocalisationOnNetwork" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **TrainLocationStatus**

diagram	 TrainLocationStatus Identifies the status of a train related to the actual time at a reporting point
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	RunningStatus
used by	elements ChangeofTrackMessage DelayEventReport LocationModified TrainAtLocation TrainLocationReport
annotation	documentation Identifies the status of a train related to the actual time at a reporting point
source	<pre> <xs:element name="TrainLocationStatus" type="RunningStatus"> <xs:annotation> <xs:documentation>Identifies the status of a train related to the actual time at a reporting point</xs:documentation> </xs:annotation> </xs:element> </pre>

element **TrainMaxSpeed**

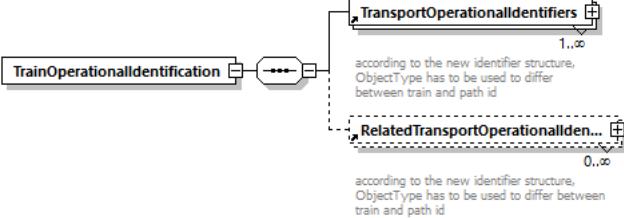
diagram	 TrainMaxSpeed The max. possible speed of a train in km/h
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

type	Speed
properties	content simple
used by	elements PlannedTrainTechnicalData TrainRunningTechData
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation The max. possible speed of a train in km/h
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 **TrainNotAtInterruptionPoint**

diagram	<p>TrainNotAtInterruptionPoint</p> <p>It is already known that train running might be interrupted in interruption point although the train has not arrived to interruption point yet</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple
used by	element TrainRunningInterruptionMessage
facets	Kind Value Annotation minInclusive 1 maxInclusive 1
annotation	documentation It is already known that train running might be interrupted in interruption point although the train has not arrived to interruption point yet
source	<pre><xs:element name="TrainNotAtInterruptionPoint"> <xs:annotation> <xs:documentation>It is already known that train running might be interrupted in interruption point although the train has not arrived to interruption point yet</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element></pre>

element **TrainOperationalIdentification**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	TransportOperationalIdentifiers RelatedTransportOperationalIdentifiers
used by	elements ChangeofTrackMessage TrainAtLocation TrainDelayCauseMessage TrainJourneyModificationMessage TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage
source	<pre> <xs:element name="TrainOperationalIdentification"> <xs:complexType> <xs:sequence> <xs:element ref="TransportOperationalIdentifiers" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>according to the new identifier structure, ObjectType has to be used to differ between train and path id</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="RelatedTransportOperationalIdentifiers" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>according to the new identifier structure, ObjectType has to be used to differ between train and path id</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element **TrainReadyMessage**

diagram	<pre> classDiagram class TrainReadyMessage { <<This message is sent from an RU to an IM indicating that the train is ready for access to the network.>> } class MessageHeader class MessageStatus class TransportOperationalIdentifiers { <<Used for all messages>> 0..<<0..>> } class OperationalTrainNumberIdentifier class ReferenceOTN class ResponsibleRU { <<RU Responsible for the physical operation of the train or wagon>> } class TrainContactDetails { <<Contact to driver of leading traction unit. This contact can be mobile phone number, GSM-R call number or e.g. details for an analogue radio call.>> } class TrainLocation { <<Handover, Interchange, Handling and Reporting point: if needed, track could be identified directly via subsidiary code>> } class TrainReadyStatus class TransferPoint class TransfereeIM { <<Next IM>> } class TrainStartTime class TrainReadyTime { <<It indicates date/time when the train will be ready for departure. IM contract will define if this element can be used. Only to be used if this time is in future (sent in advance). Purpose of this element is to shorten the train stay.>> } TrainReadyMessage < -- MessageHeader TrainReadyMessage < -- MessageStatus TrainReadyMessage < -- TransportOperationalIdentifiers TrainReadyMessage < -- OperationalTrainNumberIdentifier TrainReadyMessage < -- ReferenceOTN TrainReadyMessage < -- ResponsibleRU TrainReadyMessage < -- TrainContactDetails TrainReadyMessage < -- TrainLocation TrainReadyMessage < -- TrainReadyStatus TrainReadyMessage < -- TransferPoint TrainReadyMessage < -- TransfereeIM TrainReadyMessage < -- TrainStartTime TrainReadyMessage < -- TrainReadyTime </pre> <p>This message is sent from an RU to an IM indicating that the train is ready for access to the network.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader MessageStatus TransportOperationalIdentifiers OperationalTrainNumberIdentifier ReferenceOTN ResponsibleRU TrainContactDetails TrainLocation TrainReadyStatus TransferPoint TransfereeIM TrainStartTime TrainReadyTime
annotation	<p>documentation</p> <p>This message is sent from an RU to an IM indicating that the train is ready for access to the network.</p>
source	<pre> <xss:element name="TrainReadyMessage"> <xss:annotation> <xss:documentation>This message is sent from an RU to an IM indicating that the train is ready for access to the network.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="MessageHeader"/> <xss:element ref="MessageStatus"/> <xss:element ref="TransportOperationalIdentifiers" minOccurs="0" maxOccurs="unbounded"/> </xss:sequence> </xss:complexType> </xss:element> </pre>

	<pre> <xs:element ref="OperationalTrainNumberIdentifier"/> <xs:element ref="ReferenceOTN" minOccurs="0"/> <xs:element ref="ResponsibleRU" minOccurs="0"/> <xs:element ref="TrainContactDetails" minOccurs="0"/> <xs:element name="TrainLocation" type="LocationIdent" minOccurs="0"> <xs:annotation> <xs:documentation>Handover, Interchange, Handling and Reporting point: if needed, track could be identify directly via subsidiar code</xs:documentation> </xs:annotation> </xs:element> <xs:element name="TrainReadyStatus" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="TrainReady"> <xs:annotation> <xs:documentation>0=Not Ready 1=Ready</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="TrainDelay" minOccurs="0"/> <xs:element ref="DelayCause" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="TransferPoint" minOccurs="0"> <xs:annotation> <xs:documentation>Transfer point or station of destination in the considered network where the Reference Train Numbers refers to</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="TransfereeIM" minOccurs="0"/> <xs:element ref="TrainStartTime" minOccurs="0"/> <xs:element name="TrainReadyTime" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>It indicates date/time when the train will be ready for departure. IM contract will define if this element can be used. Only to be used if this time is in future (sent in advance). Purpose of this element is to short the train stay. </xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element TrainReadyMessage/TrainLocation

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	minOcc 0 maxOcc 1 content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	documentation Handover, Interchange, Handling and Reporting point: if needed, track could be identify directly via subsidiar code
source	<pre><xs:element name="TrainLocation" type="LocationIdent" minOccurs="0"> <xs:annotation> <xs:documentation>Handover, Interchange, Handling and Reporting point: if needed, track could be identify directly via subsidiar code</xs:documentation> </xs:annotation> </xs:element></pre>

element TrainReadyMessage/TrainReadyStatus

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	TrainReady TrainDelay DelayCause
source	<pre><xs:element name="TrainReadyStatus" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:element name="TrainReady"> <xs:annotation> <xs:documentation>0=Not Ready 1=Ready</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> <xs:restriction <xs:enumeration <xs:enumeration </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="TrainDelay" minOccurs="0"/> <xs:element ref="DelayCause" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element **TrainReadyMessage/TrainReadyStatus/TrainReady**

diagram										
	0=Not Ready 1=Ready									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>0</td> <td></td> </tr> <tr> <td>enumeration</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	0		enumeration	1	
Kind	Value	Annotation								
enumeration	0									
enumeration	1									
annotation	documentation 0=Not Ready 1=Ready									
source	<pre> <xs:element name="TrainReady"> <xs:annotation> <xs:documentation>0=Not Ready 1=Ready</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:enumeration <xs:enumeration </xs:restriction> </xs:simpleType> <xs:enumeration <xs:enumeration </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element **TrainReadyMessage/TrainReadyTime**

diagram							
	<p>It indicates date/time when the train will be ready for departure. IM contract will define if this element can be used. Only to be used if this time is in future (sent in advance). Purpose of this element is to short the train stay.</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1						
type	xs:dateTime						
properties	<table> <thead> <tr> <th>minOcc</th> <th>0</th> </tr> </thead> <tbody> <tr> <th>maxOcc</th> <th>1</th> </tr> <tr> <th>content</th> <th>simple</th> </tr> </tbody> </table>	minOcc	0	maxOcc	1	content	simple
minOcc	0						
maxOcc	1						
content	simple						
annotation	documentation It indicates date/time when the train will be ready for departure. IM contract will define if this element can be used. Only to be used if this time is in future (sent in advance). Purpose of this element is to short the train stay.						

source	<pre><xs:element name="TrainReadyTime" type="xs:dateTime" minOccurs="0"> <xs:annotation> <xs:documentation>It indicates date/time when the train will be ready for departure. IM contract will define if this element can be used. Only to be used if this time is in future (sent in advance). Purpose of this element is to shorten the train stay. </xs:documentation> </xs:annotation> </xs:element></pre>
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element TrainReadyStatus

diagram	<pre> classDiagram class TrainReadyStatus { TrainReady TrainDelay DelayCause } TrainReady "0=Not Ready 1=Ready" TrainDelay "Identifies the Delta delay time of a train against the booked schedule as well as against the referenced time" DelayCause "This element identifies the reason for a delay (modified DelayReason)" </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	TrainReady TrainDelay DelayCause
source	<pre> <xs:element name="TrainReadyStatus"> <xs:complexType> <xs:sequence> <xs:element name="TrainReady"> <xs:annotation> <xs:documentation>0=Not Ready 1=Ready</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="TrainDelay" minOccurs="0"/> <xs:element ref="DelayCause" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element TrainReadyStatus/TrainReady

diagram	<pre> classDiagram class TrainReady { "0=Not Ready 1=Ready" } </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	content simple

facets	Kind enumeration Value 0 enumeration 1	Annotation	
annotation	documentation 0=Not Ready 1=Ready		
source	<pre><xs:element name="TrainReady"> <xs:annotation> <xs:documentation>0=Not Ready 1=Ready</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>	Ready	1=Ready

element **TrainRunningData**

diagram	
namespace	http://www.era.europa.eu/schemas/TAFTSI/3.1
properties	content complex
children	TrainRunningTechData ExceptionalGaugingInd DangerousGoodsIndicator Activities
used by	element TrainCompositionJourneySection
annotation	documentation Train relevant data for a running train
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"/> <xs:element ref="ExceptionalGaugingInd" minOccurs="0"/> <xs:element ref="DangerousGoodsIndicator" minOccurs="0"/> <xs:element name="Activities" minOccurs="0" maxOccurs="99"> <xs:complexType> <xs:sequence> <xs:element ref="TrainActivity"/> <xs:element name="ActivityLocationIdent" type="LocationIdent"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **TrainRunningData/Activities**

diagram	<p>Since the activities can be related to attaching / detaching / cars to different trains, the reference to other trains should be possible to be indicated.</p> <p>ActivityLocationIdent</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 99 content complex
children	TrainActivity ActivityLocationIdent
source	<pre> <xs:element name="Activities" minOccurs="0" maxOccurs="99"> <xs:complexType> <xs:sequence> <xs:element ref="TrainActivity"/> <xs:element name="ActivityLocationIdent" type="LocationIdent"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **TrainRunningData/Activities/ActivityLocationIdent**

diagram	<p>LocationIdent</p> <ul style="list-style-type: none"> CountryCodeISO: Identifies a County or State by code (ISO 3166-1) LocationPrimaryCode PrimaryLocationName: Location Name in an official language of the Country using the ISO Unicode alphabet. LocationSubsidiaryIdentification: Code, Name and allocation company of Subsidiary Location
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
source	<pre> <xs:element name="ActivityLocationIdent" type="LocationIdent"/> </pre>

element TrainRunningForecastMessage

diagram	<pre> classDiagram class TrainRunningForecastMessage { <<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>> } class MessageHeader { <<Used for all messages>> } class MessageStatus { <<MessageStatus>> } class TrainOperationalIdentification { <<TrainOperationalIdentification>> } class OperationalTrainNumberIdentifier { <<OperationalTrainNumberIdentifier>> } class ReferenceOTN { <<ReferenceOTN>> } class ResponsibleRU { <<ResponsibleRU>> } class TrainLocationReport { <<TrainLocationReport>> <<1..>> } class TransferPoint { <<TransferPoint>> } class TransfereeIM { <<TransfereeIM>> } TrainRunningForecastMessage --> MessageHeader TrainRunningForecastMessage --> MessageStatus TrainRunningForecastMessage --> TrainOperationalIdentification TrainRunningForecastMessage --> OperationalTrainNumberIdentifier TrainRunningForecastMessage --> ReferenceOTN TrainRunningForecastMessage --> ResponsibleRU TrainRunningForecastMessage --> TrainLocationReport TrainRunningForecastMessage --> TransferPoint TrainRunningForecastMessage --> TransfereeIM </pre> <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>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader MessageStatus TrainOperationalIdentification OperationalTrainNumberIdentifier ReferenceOTN ResponsibleRU TrainLocationReport TransferPoint TransfereeIM
annotation	<p>documentation</p> <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>
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="MessageStatus" /> <xs:element ref="TrainOperationalIdentification" minOccurs="0" /> <xs:element ref="OperationalTrainNumberIdentifier" /> <xs:element ref="ReferenceOTN" minOccurs="0" /> <xs:element ref="ResponsibleRU" minOccurs="0" /> <xs:element ref="TrainLocationReport" maxOccurs="unbounded" /> <xs:element ref="TransferPoint" minOccurs="0" /> <xs:element ref="TransfereeIM" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element> </pre>

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

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>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader MessageStatus TrainOperationalIdentification OperationalTrainNumberIdentifier ReferenceOTN ResponsibleRU TrainLocationReport TransferPoint TransfereeIM
annotation	<p>documentation</p> <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>
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> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"/> <xs:element ref="TrainOperationalIdentification" minOccurs="0"/> <xs:element ref="OperationalTrainNumberIdentifier"/> <xs:element ref="ReferenceOTN"/> <xs:element ref="ResponsibleRU"/> <xs:element ref="TrainLocationReport"/> <xs:element ref="TransferPoint"/> <xs:element ref="TransfereeIM"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:element ref="OperationalTrainNumberIdentifier"/> <xs:element ref="ReferenceOTN" minOccurs="0"/> <xs:element ref="ResponsibleRU" minOccurs="0"/> <xs:element ref="TrainLocationReport"/> <xs:element ref="TransferPoint" minOccurs="0"/> <xs:element ref="TransfereeIM" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element TrainRunningInterruptionMessage

diagram	<p>This message is used to inform about the trains which has been already interrupted. Message is sent only for those trains, directly interrupted by the disruption.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader MessageStatus TrainOperationalIdentification OperationalTrainNumberIdentifier ReferenceOTN ResponsibleRU InterruptionPoint TrainNotAtInterruptionPoint TransferPoint TransfereeIM
annotation	<p>documentation</p> <p>This message is used to inform about the trains which has been already interrupted. Message is sent only for those trains, directly interrupted by the disruption.</p>
source	<pre> <xs:element name="TrainRunningInterruptionMessage"> <xs:annotation> <xs:documentation>This message is used to inform about the trains which has been already interrupted. Message is sent only for those trains, directly interrupted by the disruption. </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"/> <xs:element ref="TrainOperationalIdentification" minOccurs="0"/> <xs:element ref="OperationalTrainNumberIdentifier"/> <xs:element ref="ReferenceOTN" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:element ref="ResponsibleRU" minOccurs="0"/> <xs:element ref="InterruptionPoint"/> <xs:element ref="TrainNotAtInterruptionPoint" minOccurs="0"/> <xs:element ref="TransferPoint" minOccurs="0"/> <xs:element ref="TransfereeIM" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **TrainRunningTechData**

diagram	<pre> graph LR TrainRunningTechData[TrainRunningTechData] --- TrainType[TrainType] TrainRunningTechData --- TrainWeight[TrainWeight] TrainRunningTechData --- TrainLength[TrainLength] TrainRunningTechData --- TrainCC_System[TrainCC_System] TrainRunningTechData --- TrainRadioSystem[TrainRadioSystem] TrainRunningTechData --- TrainMaxSpeed[TrainMaxSpeed] TrainRunningTechData --- MaxAxeWeight[MaxAxeWeight] TrainRunningTechData --- BrakeType[BrakeType] TrainRunningTechData --- BrakeWeight[BrakeWeight] TrainRunningTechData --- NumberofVehicles[NumberofVehicles] TrainRunningTechData --- NumberofAxes[NumberofAxes] </pre> <p>Shows the relevant technical data for a running train</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	TrainType TrainWeight TrainLength TrainCC System TrainRadioSystem TrainMaxSpeed MaxAxeWeight BrakeType BrakeWeight NumberofVehicles NumberofAxes
used by	element TrainRunningData
annotation	documentation Shows the relevant technical data for a running train
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:sequence> <xs:element ref="TrainType"/> <xs:element ref="TrainWeight"/> <xs:element ref="TrainLength"/> <xs:element ref="TrainCC_System" minOccurs="0" maxOccurs="9"/> <xs:element ref="TrainRadioSystem" minOccurs="0" maxOccurs="9"/> <xs:element ref="TrainMaxSpeed" minOccurs="0"/> <xs:element ref="MaxAxleWeight" minOccurs="0"/> <xs:element ref="BrakeType" minOccurs="0"/> <xs:element ref="BrakeWeight" minOccurs="0"/> <xs:element ref="NumberOfVehicles" minOccurs="0"/> <xs:element ref="NumberOfAxles" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element TrainStartTime

diagram	<p>The Date and Time at which the train actually started the journey</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
used by	element TrainReadyMessage
annotation	documentation The Date and Time at which the train actually started the journey
source	<pre> <xs:element name="TrainStartTime" type="xs: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	<p>The sum of all weights of wagons and traction units</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of WeightValueTonne									
properties	content simple									
used by	elements PlannedTrainTechnicalData TrainRunningTechData									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99999</td> <td></td> </tr> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	99999	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	99999									
annotation	documentation The sum of all weights of wagons and traction units									
source	<pre> <xs:element name="TrainWeight"> <xs:annotation> </pre>									

	<pre> <xs:documentation>The sum of all weights of wagons and traction units</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </pre>
	<pre> base="WeightValueTonne"> value="99999"/> </pre>

element **TransfereeIM**

diagram													
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	CompanyCode												
properties	content simple												
used by	elements ChangeofTrackMessage TrainCompositionMessage TrainDelayCauseMessage TrainJourneyModificationMessage TrainReadyMessage TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>4</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9A-Z]{4}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	4		maxLength	4		pattern	[0-9A-Z]{4}	
Kind	Value	Annotation											
minLength	4												
maxLength	4												
pattern	[0-9A-Z]{4}												
annotation	documentation Next IM												
source	<pre> <xs:element name="TransfereeIM" type="CompanyCode"> <xs:annotation> <xs:documentation>Next IM</xs:documentation> </xs:annotation> </xs:element> </pre>												

element **TransferPoint**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification

used by	elements ChangeofTrackMessage TrainCompositionMessage TrainDelayCauseMessage TrainJourneyModificationMessage TrainReadyMessage TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage
annotation	documentation Transfer point or station of destination in the considered network
source	<xs:element name="TransferPoint" type="LocationIdent"> <xs:annotation> <xs:documentation>Transfer point or station of destination in the network</xs:documentation> </xs:annotation> </xs:element>

element TransportInstruction

diagram	 Special instructions regarding the transportation of the wagon or shipment in free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Special instructions regarding the transportation of the wagon or shipment in free text
source	<xs:element name="TransportInstruction" type="FreeText"> <xs:annotation> <xs:documentation>Special instructions regarding the transportation of the wagon or shipment in free text</xs:documentation> </xs:annotation> </xs:element>

element **TransportOperationalIdentifiers**

diagram	<pre> classDiagram class TransportOperationalIdentifiers { <<extension of CompositIdentifierOperationalType>> } class Object_Type { <<Provides a possibility for differentiation between the objects: Train (TR), Route (RO), Path (PA), Case Reference (CR) and Path Request (PR)>> } class Company { <<Identifies a railway company (RU or IM)>> } class Core { <<It is the main part of identifier and is determined by the company that creates it.>> } class Variant { <<The variant shows a relationship between two identifiers referring to the same business case>> } class TimetableYear { <<Refers to the timetable period in which the business will be carried out>> } class StartDate { <<Is only used in the operational phase and refers to the date where the single train will start the train journey>> } TransportOperationalIdentifiers "1" --> "1" Object_Type TransportOperationalIdentifiers "1" --> "1" Company TransportOperationalIdentifiers "1" --> "1" Core TransportOperationalIdentifiers "1" --> "1" Variant TransportOperationalIdentifiers "1" --> "1" TimetableYear TransportOperationalIdentifiers "1" --> "1" StartDate </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of CompositIdentifierOperationalType
properties	content complex
children	ObjectType Company Core Variant TimetableYear StartDate
used by	ErrorMessage TrainCompositionMessage TrainOperationalIdentification TrainReadyMessage
source	<pre> <xss:element name="TransportOperationalIdentifiers"> <xss:complexType> <xss:complexContent> <xss:extension base="CompositIdentifierOperationalType"/> </xss:complexContent> </xss:complexType> </xss:element> </pre>

element **TypeOfIMHarmonization**

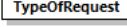
diagram	<pre> classDiagram class TypeOfIMHarmonization { <<Enumeration of Type of IM harmonization: Full, Part>> } class TypeOfIMHarmonizationCode { <<TypeOfIMHarmonizationCode>> } TypeOfIMHarmonization "1" --> "1" TypeOfIMHarmonizationCode </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	TypeOfIMHarmonizationCode
used by	PathDetailsMessage PathRequestMessage
annotation	documentation Enumeration of Type of IM harmonization: Full, Part
source	<pre> <xss:element name="TypeOfIMHarmonization" type="TypeOfIMHarmonizationCode"> <xss:annotation> <xss:documentation>Enumeration of Type of IM harmonization: Full, Part</xss:documentation> </xss:annotation> </xss:element> </pre>

	<pre></xs:annotation> </xs:element></pre>
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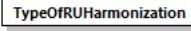
element TypeOfInformation

diagram	 <p>Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	TypeOfInformationCode
used by	elements PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage ReceiptConfirmationMessage
annotation	<p>documentation</p> <p>Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation</p>
source	<pre><xs:element name="TypeOfInformation" type="TypeOfInformationCode"> <xs:annotation> <xs:documentation> Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation</xs:documentation> </xs:annotation> </xs:element></pre>

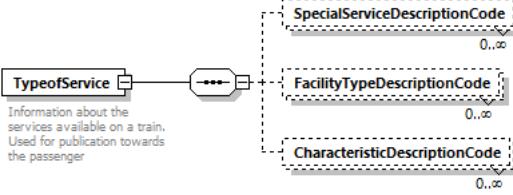
element TypeOfRequest

diagram	 <p>Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	TypeOfRequestCode
used by	elements PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage ReceiptConfirmationMessage
annotation	<p>documentation</p> <p>Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3)</p>
source	<pre><xs:element name="TypeOfRequest" type="TypeOfRequestCode"> <xs:annotation> <xs:documentation> Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3)</xs:documentation> </xs:annotation> </xs:element></pre>

element **TypeOfRUHarmonization**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	TypeOfRUHarmonizationCode
used by	elements PathDetailsMessage PathRequestMessage
annotation	documentation Type of RU harmonization: Full, Part, None.
source	<pre><xs:element name="TypeOfRUHarmonization" type="TypeOfRUHarmonizationCode"> <xs:annotation> <xs:documentation>Type of RU harmonization: Full, Part, None.</xs:documentation> </xs:annotation> </xs:element></pre>

element **TypeofService**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	SpecialServiceDescriptionCode FacilityTypeDescriptionCode CharacteristicDescriptionCode
used by	element PlannedTrainData
annotation	documentation Information about the services available on a train. Used for publication towards the passenger
source	<pre><xs:element name="TypeofService"> <xs:annotation> <xs:documentation>Information about the services available on a train. Used for publication towards the passenger</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="SpecialServiceDescriptionCode" type="tap:type7161CodeList" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="FacilityTypeDescriptionCode" type="tap:type9039CodeList" minOccurs="0" maxOccurs="unbounded"/> <xs:element name="CharacteristicDescriptionCode" type="tap:type7037CodeList" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

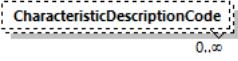
element TypeofService/SpecialServiceDescriptionCode

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	tap:type7161CodeList
properties	minOcc 0 maxOcc unbounded
source	<xs:element name="SpecialServiceDescriptionCode" type="tap:type7161CodeList" minOccurs="0" maxOccurs="unbounded"/>

element TypeofService/FacilityTypeDescriptionCode

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	tap:type9039CodeList
properties	minOcc 0 maxOcc unbounded
source	<xs:element name="FacilityTypeDescriptionCode" type="tap:type9039CodeList" minOccurs="0" maxOccurs="unbounded"/>

element TypeofService/CharacteristicDescriptionCode

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	tap:type7037CodeList
properties	minOcc 0 maxOcc unbounded
source	<xs:element name="CharacteristicDescriptionCode" type="tap:type7037CodeList" minOccurs="0" maxOccurs="unbounded"/>

element UltimateDestinationCountry

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	CountryIdentISO
properties	content simple
used by	element ITU Details
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Country of Ultimate Destination

source	<pre><xs:element name="UltimateDestinationCountry" type="CountryIdentISO"> <xs:annotation> <xs:documentation>Country of Ultimate Destination</xs:documentation> </xs:annotation> </xs:element></pre>
--------	--

element UN_Number

diagram	<pre>classDiagram class UN_Number { <<The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING".>> }</pre>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	content simple									
used by	element SummaryOfGoodsWithSameRID									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>length</td> <td>4</td> <td></td> </tr> <tr> <td>pattern</td> <td>\d*[1-9]\d*</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	length	4		pattern	\d*[1-9]\d*	
Kind	Value	Annotation								
length	4									
pattern	\d*[1-9]\d*									
annotation	<p>documentation</p> <p>The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING".</p>									
source	<pre><xs:element name="UN_Number"> <xs:annotation> <xs:documentation>The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="4"/> <xs:pattern value="\d*[1-9]\d*"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element ValidityPeriod

diagram	<pre>sequenceDiagram participant VP as ValidityPeriod participant SD as StartDateTime participant ED as EndDateTime VP->>SD: activate SD SD->>ED: deactivate SD ED-->>VP: </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex

children	StartDateTime EndDateTime	
used by	elements PlannedCalendar ReferenceTrainID SubCalendar RequestedCalendar	
source	<pre><xs:element name="ValidityPeriod"> <xs:complexType> <xs:sequence> <xs:element ref="StartDateTime" /> <xs:element ref="EndDateTime" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>	

element **Value**

diagram		
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
type	restriction of xs:decimal	
properties	content simple	
used by	elements Height Length Width	
facets	Kind Value Annotation	
	minInclusive 0	
	maxInclusive 999999999	
	fractionDigits 1	
source	<pre><xs:element name="Value"> <xs:simpleType> <xs:restriction> <xs:minInclusive>0</xs:minInclusive> <xs:fractionDigits>1</xs:fractionDigits> <xs:maxInclusive>999999999</xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element></pre>	
	<base="xs:decimal"> value="0"/> <value="1"></value="1"> <value="999999999"></value="999999999"> </base="xs:decimal">	

element **Variant**

diagram		
	<p>The variant shows a relationship between two identifiers referring to the same business case.</p>	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
type	restriction of xs:string	
properties	content simple	
used by	complexTypes CompositIdentifierOperationalType CompositIdentifierPlannedType	
facets	Kind Value Annotation	
	minLength 2	
	maxLength 2	
	pattern [0-9A-Z]{2}	

annotation	documentation The variant shows a relationship between two identifiers referring to the same business case
source	<pre> <xs:element name="Variant"> <xs:annotation> <xs:documentation>The variant shows a relationship between two identifiers referring to the same business case</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="2"/> <xsmaxLength value="2"/> <xs:pattern value="[0-9A-Z]{2}" /> </xs:restriction> </xs:simpleType> </xs:element></pre>

element VesselIndication

diagram	<p>This element identifies to which extent the transportation unit is used</p> <p>VesselName This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea</p> <p>ClosingTime The closing Date and Time of the port for the delivery of the shipment by rail to a vessel.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	VesselName ClosingTime
used by	elements WIMO Dataset/EventLevelData Ship
annotation	documentation This element identifies to which extent the transportation unit is used
source	<pre> <xs:element name="VesselIndication"> <xs:annotation> <xs:documentation>This element identifies to which extent the transportation unit is used</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="VesselName" /> <xs:element ref="ClosingTime" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element></pre>

element VesselName

diagram	<p>This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea</p>
---------	--

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	Name		
properties	content simple		
used by	element VesselIndication		
facets	Kind Value Annotation maxLength 254		
annotation	documentation This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea		
source	<pre><xs:element name="VesselName" type="Name"> <xs:annotation> <xs:documentation>This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea</xs:documentation> </xs:annotation> </xs:element></pre>		

element **Volume**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	VolumeValue
properties	content simple
annotation	documentation Identifies the volume of a shipment, expressed in cubic metres
source	<pre><xs:element name="Volume" type="VolumeValue"> <xs:annotation> <xs:documentation>Identifies the volume of a shipment, expressed in cubic metres</xs:documentation> </xs:annotation> </xs:element></pre>

element **WagonArrivalNoticeMessage**

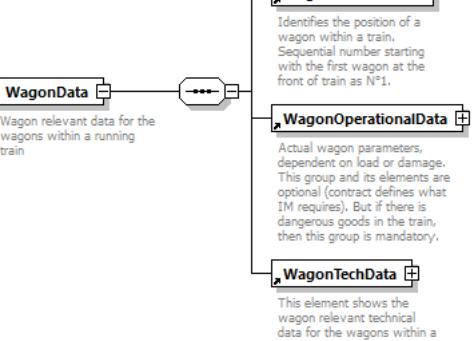
diagram	<p>This message is used by the last RU/Service Provider in the transport chain to inform the Lead RU that the wagon has arrived at its yard.</p>
---------	--

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader WagonInformation ArrivalAtDestination
annotation	<p>documentation</p> <p>This message is used by the last RU/Service Provider in the transport chain to inform the Lead RU that the wagon has arrived at its yard.</p>
source	<pre><xs:element name="WagonArrivalNoticeMessage"> <xs:annotation> <xs:documentation>This message is used by the last RU/Service Provider in the transport chain to inform the Lead RU that the wagon has arrived at its yard.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="WagonInformation"/> <xs:element ref="ArrivalAtDestination"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element WagonAtDeparture

diagram	<pre> classDiagram class WagonAtDeparture { <<Departure point of a wagon with location and departure time>> } class Location { <<Identifies a Location using a LocationIdent>> } class DepartureTimeAtLocation { <<the scheduled departure date and time at a defined location>> } WagonAtDeparture "2" -- "1" Location : WagonAtDeparture "2" -- "1" DepartureTimeAtLocation : </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Location DepartureTimeAtLocation
used by	element WagonDepartureNoticeMessage
annotation	<p>documentation</p> <p>Departure point of a wagon with location and departure time</p>
source	<pre><xs:element name="WagonAtDeparture"> <xs:annotation> <xs:documentation>Departure point of a wagon with location and departure time</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="DepartureTimeAtLocation"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **WagonData**

diagram	 <pre> classDiagram class WagonData { WagonNumberFreight WagonTrainPosition WagonOperationalData WagonTechData } WagonData "1" -- "*" WagonNumberFreight WagonData "1" -- "*" WagonTrainPosition WagonData "1" -- "*" WagonOperationalData WagonData "1" -- "*" WagonTechData </pre> <p>WagonData Wagon relevant data for the wagons within a running train</p> <p>WagonNumberFreight Identifies uniquely the freight wagon by its number</p> <p>WagonTrainPosition Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.</p> <p>WagonOperationalData Actual wagon parameters, dependent on load or damage. This group and its elements are optional (contract defines what IM requires). But if there is dangerous goods in the train, then this group is mandatory.</p> <p>WagonTechData This element shows the wagon relevant technical data for the wagons within a running train</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	WagonNumberFreight WagonTrainPosition WagonOperationalData WagonTechData
used by	element TrainCompositionJourneySection
annotation	<p>documentation</p> <p>Wagon relevant data for the wagons within a running train</p>
source	<pre> <xs:element name="WagonData"> <xs:annotation> <xs:documentation>Wagon relevant data for the wagons within a running train</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="WagonNumberFreight"/> <xs:element ref="WagonTrainPosition"/> <xs:element ref="WagonOperationalData"/> <xs:element ref="WagonTechData"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **WagonDeliveryNoticeMessage**

diagram

The diagram illustrates the structure of a **WagonDeliveryNoticeMessage**. This message is composed of several components:

- MessageHeader**: Used for all messages.
- WagonInformation**: Describes the unique wagon number, transportation units, loaded capacity, and weight of the complete load of the wagon.
- DeliveryAtDestination**: Specifies the place, date, and time when the wagon is ready to be picked up by the customer.
- Customers**: Provides information about the consignor and consignee.

This message is used by the last RU/Service Provider in the transport chain to inform the Lead RU that the wagon has been placed at the consignee...

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader WagonInformation DeliveryAtDestination Customers
annotation	documentation This message is used by the last RU/Service Provider in the transport chain to inform the Lead RU that the wagon has been placed at the consignee's siding.
source	<pre> <xs:element name="WagonDeliveryNoticeMessage"> <xs:annotation> <xs:documentation>This message is used by the last RU/Service Provider in the transport chain to inform the Lead RU that the wagon has been placed at the consignee's siding.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="WagonInformation"/> <xs:element ref="DeliveryAtDestination"/> <xs:element ref="Customers" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **WagonDepartureNoticeMessage**

diagram	<pre> classDiagram class WagonDepartureNoticeMessage { <<This message is used by the RU in charge to inform the LRU that the wagon has been picked-up (pulled) and has reached the RU's Yard of Departure. This message is the response to the WagonReleaseNoticeMessage.>> } class MessageHeader { <<Used for all messages>> } class RelatedReference { <<Identifies the message to which the actual message refers>> } class WagonInformation { <<This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon>> } class Customers { <<Information about the consignor and consignee>> } class WagonAtDeparture { <<Departure point of a wagon with location and departure time>> } WagonDepartureNoticeMessage < -- MessageHeader WagonDepartureNoticeMessage < -- RelatedReference WagonDepartureNoticeMessage --> WagonInformation WagonDepartureNoticeMessage --> Customers WagonDepartureNoticeMessage --> WagonAtDeparture </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader RelatedReference WagonInformation Customers WagonAtDeparture
annotation	documentation This message is used by the RU in charge to inform the LRU that the wagon has been picked-up (pulled) and has reached the RU's Yard of Departure. This message is the response to the WagonReleaseNoticeMessage.
source	<pre> <xs:element name="WagonDepartureNoticeMessage"> <xs:annotation> <xs:documentation>This message is used by the RU in charge to inform the LRU that the wagon has been picked-up (pulled) and has reached the RU's Yard of Departure. This message is the response to the WagonReleaseNoticeMessage.</xs:documentation> </xs:annotation> </pre>

	<pre> </xs:annotation> <xss:complexType> <xss:sequence> <xss:element ref="MessageHeader"/> <xss:element ref="RelatedReference" minOccurs="0"/> <xss:element ref="WagonInformation"/> <xss:element ref="Customers" minOccurs="0"/> <xss:element ref="WagonAtDeparture"/> </xss:sequence> </xss:complexType> </xss:element> </pre>
--	--

element **WagonDeviationMessage**

diagram	<pre> classDiagram class WagonDeviationMessage { <<This message is issued following receipt of an enquiry about the wagon deviation. It delivers a report of all deviations of a specified wagon at all reporting points.>> } class MessageHeader class RelatedReference class WagonNumberFreight class ActualETI class WagonExceptionReport WagonDeviationMessage "1" -- "1" MessageHeader WagonDeviationMessage "1" -- "1" RelatedReference WagonDeviationMessage "1" -- "1" WagonNumberFreight WagonDeviationMessage "1" -- "1" ActualETI WagonDeviationMessage "1" -- "1" WagonExceptionReport </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader RelatedReference WagonNumberFreight ActualETI WagonExceptionReport
annotation	<p>documentation</p> <p>This message is issued following receipt of an enquiry about the wagon deviation. It delivers a report of all deviations of a specified wagon at all reporting points.</p>
source	<pre> <xss:element name="WagonDeviationMessage"> <xss:annotation> <xss:documentation>This message is issued following receipt of an enquiry about the wagon deviation. It delivers a report of all deviations of a specified wagon at all reporting points.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="MessageHeader"/> <xss:element ref="RelatedReference"/> <xss:element ref="WagonNumberFreight"/> <xss:element ref="ActualETI"/> <xss:element ref="WagonExceptionReport"/> </xss:sequence> </xss:complexType> </xss:element> </pre>

element **WagonETI_ETA_Message**

diagram	<p>This message is sent by the RU to the next RU in the transport chain to give him the calculation of its ETI. The last RU sends this message with ETA to the Lead RU, which may inform its customer. Following the handover information from the IM, the RU sends with this message also the updated ETI to the next RU and the last RU sends the updated ETA to the LRU.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader RelatedReference WagonInformation ArrivalInterchangeReport DepartureInterchangeReport
annotation	<p>documentation</p> <p>This message is sent by the RU to the next RU in the transport chain to give him the calculation of its ETI. The last RU sends this message with ETA to the Lead RU, which may inform its customer. Following the handover information from the IM, the RU sends with this message also the updated ETI to the next RU and the last RU sends the updated ETA to the LRU.</p>
source	<pre> <xs:element name="WagonETI_ETA_Message"> <xs:annotation> <xs:documentation>This message is sent by the RU to the next RU in the transport chain to give him the calculation of its ETI. The last RU sends this message with ETA to the Lead RU, which may inform its customer. Following the handover information from the IM, the RU sends with this message also the updated ETI to the next RU and the last RU sends the updated ETA to the LRU.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="RelatedReference"/> <xs:element ref="WagonInformation"/> <xs:element ref="ArrivalInterchangeReport"/> <xs:element ref="DepartureInterchangeReport" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **WagonEventInformation**

diagram	<p>This is a WIMO element that is derived from the Wagon Release Notice and Event Messages</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

properties	content complex
children	WagonEvent EventDateTime Location
used by	element WIMO Dataset/EventLevelData
annotation	documentation This is a WIMO element that is derived from the Wagon Release Notice and Event Messages
source	<pre> <xs:element name="WagonEventInformation"> <xs:annotation> <xs:documentation>This is a WIMO element that is derived from the Wagon Release Notice and Event Messages</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="WagonEvent" type="xs:token"> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="Release"/> <xs:enumeration value="Arrival"/> <xs:enumeration value="Departure"/> <xs:enumeration value="Exception"/> <xs:enumeration value="Delivery"/> <xs:enumeration value="InterchangeDelivery"/> <xs:enumeration value="InterchangeReceipt"/> <xs:enumeration value="YardDeparture"/> <xs:enumeration value="YardArrival"/> <xs:enumeration value="DeliveryConfirmation"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="EventDateTime" type="xs:dateTime"> <xs:element ref="Location"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **WagonEventInformation/WagonEvent**

diagram																															
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																														
type	restriction of xs:token																														
properties	content simple																														
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Release</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Arrival</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Departure</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Exception</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Delivery</td> <td></td> </tr> <tr> <td>enumeration</td> <td>InterchangeDelivery</td> <td></td> </tr> <tr> <td>enumeration</td> <td>InterchangeReceipt</td> <td></td> </tr> <tr> <td>enumeration</td> <td>YardDeparture</td> <td></td> </tr> <tr> <td>enumeration</td> <td>YardArrival</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	Release		enumeration	Arrival		enumeration	Departure		enumeration	Exception		enumeration	Delivery		enumeration	InterchangeDelivery		enumeration	InterchangeReceipt		enumeration	YardDeparture		enumeration	YardArrival	
Kind	Value	Annotation																													
enumeration	Release																														
enumeration	Arrival																														
enumeration	Departure																														
enumeration	Exception																														
enumeration	Delivery																														
enumeration	InterchangeDelivery																														
enumeration	InterchangeReceipt																														
enumeration	YardDeparture																														
enumeration	YardArrival																														

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

element **WagonEventInformation/EventDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:dateTime
properties	content simple
source	<xs:element name="EventDateTime" type="xs:dateTime"/>

element **WagonExceptionMessage**

diagram	<p>This message is used by the RU/Service Provider to inform the Lead RU about deviations e.g. bad order, hold</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader WagonInformation WagonExceptionReport DangerousGoodsIndication
annotation	documentation This message is used by the RU/Service Provider to inform the Lead RU about deviations e.g. bad order, hold
source	<pre> <xs:element name="WagonExceptionMessage"> <xs:annotation> <xs:documentation>This message is used by the RU/Service Provider to inform the Lead RU about deviations e.g. bad order, hold</xs:documentation> </xs:annotation> </pre>

	<pre> </xs:annotation> <xss:complexType> <xss:sequence> <xss:element ref="MessageHeader"/> <xss:element ref="WagonInformation"/> <xss:element ref="WagonExceptionReport"/> <xss:element ref="DangerousGoodsIndication" minOccurs="0"/> </xss:sequence> </xss:complexType> </xss:element> </pre>
--	---

element **WagonExceptionReasonMessage**

diagram	<p>This message is used by the Lead RU to inform the other RU/Service providers about deviations and to request a new ETI/ETA.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader WagonInformation WagonExceptionReport DangerousGoodsIndication
annotation	<p>documentation</p> <p>This message is used by the Lead RU to inform the other RU/Service providers about deviations and to request a new ETI/ETA.</p>
source	<pre> <xss:element name="WagonExceptionReasonMessage"> <xss:annotation> <xss:documentation>This message is used by the Lead RU to inform the other RU/Service providers about deviations and to request a new ETI/ETA.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="MessageHeader"/> <xss:element ref="WagonInformation"/> <xss:element ref="WagonExceptionReport"/> <xss:element ref="DangerousGoodsIndication" minOccurs="0"/> </xss:sequence> </xss:complexType> </xss:element> </pre>

element **WagonExceptionReport**

diagram	<p>WagonExceptionReport</p> <p>Specifies the exceptions of a wagon related to a specific location</p> <p>ExceptionPoint Describes the interruption points with location and the time of the interruption</p> <p>ExceptionReason Identifies the reason of an unexpected interruption for a wagon during the transportation. In addition it allows to put in a more detailed description 0..∞</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	ExceptionPoint ExceptionReason
used by	elements WagonDeviationMessage WagonExceptionMessage WagonExceptionReasonMessage
annotation	<p>documentation</p> <p>Specifies the exceptions of a wagon related to a specific location</p>
source	<pre> <xs:element name="WagonExceptionReport"> <xs:annotation> <xs:documentation>Specifies the exceptions of a wagon related to a specific location</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="ExceptionPoint"/> <xs:element ref="ExceptionReason" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **WagonInformation**

diagram	<p>WagonInformation</p> <p>This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon</p> <p>WagonNumberFreight Identifies uniquely the freight wagon by its number</p> <p>LoadingStatus Loading status of the equipment. 0=Empty, 1=Loaded</p> <p>TotalWeight Total weight of the loaded wagon [kg]</p> <p>GoodsInWagon Goods 0..99</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	WagonNumberFreight LoadingStatus TotalWeight GoodsInWagon
used by	elements WIMO Dataset/ConsignmentLevelData WagonArrivalNoticeMessage WagonDeliveryNoticeMessage WagonDepartureNoticeMessage WagonETI ETA Message WagonExceptionMessage WagonExceptionReasonMessage WagonReleaseNoticeMessage
annotation	<p>documentation</p> <p>This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon</p>
source	<pre> <xs:element name="WagonInformation"></pre>

	<pre> <xs:annotation> <xs:documentation>This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="WagonNumberFreight" /> <xs:element ref="LoadingStatus" /> <xs:element ref="TotalWeight" minOccurs="0" /> <xs:element ref="GoodsInWagon" minOccurs="0" maxOccurs="99" /> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **WagonLength**

diagram	<p>Length over buffers in cms</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:int									
properties	content simple									
used by	element Wagons/WagonDetails/WagonTypeDetails									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	999999	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	999999									
annotation	documentation Length over buffers in cms									
source	<pre> <xs:element name="WagonLength"> <xs:annotation> <xs:documentation>Length over buffers in cms</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999999"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element **WagonLocationStatus**

diagram	<p>identifies the status of a wagon, related to the actual time at a reporting point</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	RunningStatus
used by	element ExceptionPoint
annotation	documentation identifies the status of a wagon, related to the actual time at a reporting point

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

element WagonMaxSpeed

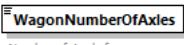
diagram	<p>WagonMaxSpeed</p> <p>Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:int									
properties	content simple									
used by	element WagonOperationalData									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>001</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	001		maxInclusive	999	
Kind	Value	Annotation								
minInclusive	001									
maxInclusive	999									
annotation	<p>documentation</p> <p>Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh</p>									
source	<pre><xs:element name="WagonMaxSpeed"> <xs:annotation> <xs:documentation>Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive>001</xs:minInclusive> <xs:maxInclusive>999</xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element WagonNumberFreight

diagram	<p>WagonNumberFreight</p> <p>Identifies uniquely the freight wagon by its number</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	WagonIdent									
properties	content simple									
used by	elements RollingStockDataset/AdministrativeDataSet AlertMessage RollingStockDatasetMessage/RefusedWagonNumbers RollingStockDatasetQueryMessage WagonData WagonDeviationMessage WagonInformation Wagons WagonYardArrivalMessage WagonYardDepartureMessage									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>maxLength</td> <td>12</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9]{12}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	maxLength	12		pattern	[0-9]{12}	
Kind	Value	Annotation								
maxLength	12									
pattern	[0-9]{12}									

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

element **WagonNumberOfAxles**

diagram	 Number of Axels for a wagon									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:int									
properties	content simple									
used by	elements RollingStockDataset/DesignDataSet WagonTechData Wagons/WagonDetails/WagonTypeDetails									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>2</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	2		maxInclusive	99	
Kind	Value	Annotation								
minInclusive	2									
maxInclusive	99									
annotation	documentation Number of Axels for a wagon									
source	<pre><xs:element name="WagonNumberOfAxles"> <xs:annotation> <xs:documentation>Number of Axels for a wagon</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element></pre>									

element **WagonOperationalData**

diagram	<p>Actual wagon parameters, dependent on load or damage. This group and its elements are optional (contract defines what IM requires). But if there is dangerous goods in the train, then this group is mandatory.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	BrakeType BrakeWeight WagonMaxSpeed ExceptionalGaugingProfile ExceptionalGaugingIdent DangerousGoodsDetails InfoOnGoodsShapeTypeDanger RestrictionsDueToLoadOrDamage TotalLoadWeight
used by	element WagonData
annotation	<p>documentation</p> <p>Actual wagon parameters, dependent on load or damage. This group and its elements are optional (contract defines what IM requires). But if there is dangerous goods in the train, then this group is mandatory.</p>
source	<pre> <xs:element name="WagonOperationalData"> <xs:annotation> <xs:documentation>Actual wagon parameters, dependent on load or damage. This group and its elements are optional (contract defines what IM requires). But if there is dangerous goods in the train, then this group is mandatory.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="BrakeType" minOccurs="0"/> <xs:element ref="BrakeWeight" minOccurs="0"/> <xs:element ref="WagonMaxSpeed" minOccurs="0"/> <xs:element ref="ExceptionalGaugingProfile" minOccurs="0"/> <xs:element ref="ExceptionalGaugingIdent" minOccurs="0"/> <xs:element name="DangerousGoodsDetails" minOccurs="0" maxOccurs="99"> <xs:complexType> </pre>

	<pre> <xs:sequence> <xs:element ref="DangerousGoodsIndication" minOccurs="0"/> <xs:element name="WeightOfDangerousGoods" minOccurs="0"> <xs:annotation> <xs:documentation>Requested by RID specification, weight in kilograms</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive <xs:totalDigits </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="InfoOnGoodsShapeTypeDanger" minOccurs="0" maxOccurs="9"/> <xs:element ref="RestrictionsDueToLoadOrDamage" minOccurs="0" maxOccurs="9"/> <xs:element ref="TotalLoadWeight" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **WagonOperationalData/DangerousGoodsDetails**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 99 content complex
children	DangerousGoodsIndication WeightOfDangerousGoods
source	<pre> <xs:element name="DangerousGoodsDetails" minOccurs="0" maxOccurs="99"> <xs:complexType> <xs:sequence> <xs:element ref="DangerousGoodsIndication" minOccurs="0"/> <xs:element name="WeightOfDangerousGoods" minOccurs="0"> <xs:annotation> <xs:documentation>Requested by RID specification, weight in kilograms</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive <xs:totalDigits </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **WagonOperationalData/DangerousGoodsDetails/WeightOfDangerousGoods**

diagram	<p>WeightOfDangerousGoods Requested by RID specification, weight in kilograms</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	restriction of xs:decimal												
properties	minOcc 0 maxOcc 1 content simple												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999999</td> <td></td> </tr> <tr> <td>totalDigits</td> <td>6</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	999999		totalDigits	6	
Kind	Value	Annotation											
minInclusive	0												
maxInclusive	999999												
totalDigits	6												
annotation	documentation Requested by RID specification, weight in kilograms												
source	<pre> <xs:element name="WeightOfDangerousGoods" minOccurs="0"> <xs:annotation> <xs:documentation>Requested by RID specification, weight in kilograms</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive value="0"/> <xs:maxInclusive value="999999"/> <xs:totalDigits value="6"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>												

element **WagonPickupAtOrigin**

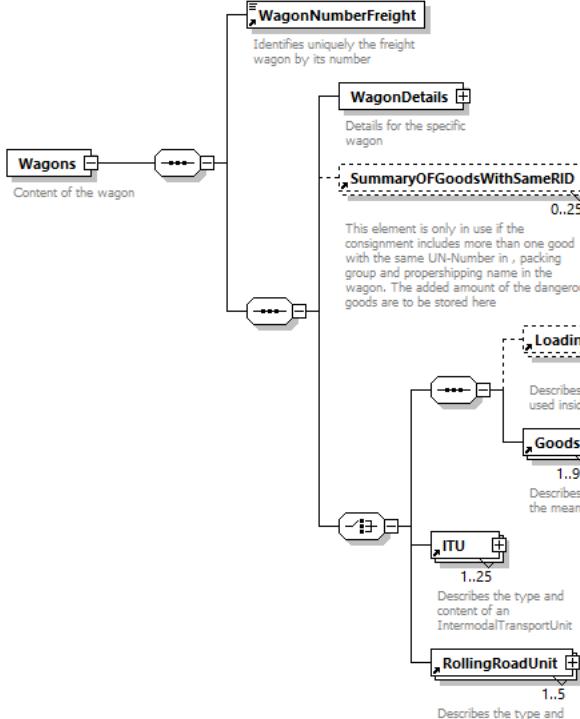
diagram	<p>WagonPickupAtOrigin Place and Date and Time of when the wagon is ready to be taken over by the RU/Service Provider at the customer sidings</p> <p>Location Identifies a Location using a LocationIdent</p> <p>DepartureTimeAtLocation the scheduled departure date and time at a defined location</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	<u>Location</u> <u>DepartureTimeAtLocation</u>
used by	element <u>WagonReleaseNoticeMessage</u>
annotation	documentation Place and Date and Time of when the wagon is ready to be taken over by the RU/Service Provider at the customer sidings
source	<pre> <xs:element name="WagonPickupAtOrigin"> <xs:annotation> </pre>

	<pre> <xs:documentation>Place and Date and Time of when the wagon is ready to be taken over by the RU/Service Provider at the customer sidings</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:element </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> <xs:annotation> <ref="Location"/> <ref="DepartureTimeAtLocation"/> </pre>
--	---

element **WagonReleaseNoticeMessage**

diagram	<p>This message is used by the Lead RU for the case that the LRU is not the first RU in the Transport chain. It is to inform the RU in charge that the wagon is ready to be pulled.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader WagonInformation Customers WagonPickupAtOrigin
annotation	<p>documentation</p> <p>This message is used by the Lead RU for the case that the LRU is not the first RU in the Transport chain. It is to inform the RU in charge that the wagon is ready to be pulled.</p>
source	<pre> <xs:element name="WagonReleaseNoticeMessage"> <xs:annotation> <xs:documentation>This message is used by the Lead RU for the case that the LRU is not the first RU in the Transport chain. It is to inform the RU in charge that the wagon is ready to be pulled.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:element <xs:sequence> <xs:element <xs:element <xs:annotation> <ref="MessageHeader"/> <ref="WagonInformation"/> <minOccurs>"0"</minOccurs> <ref="WagonPickupAtOrigin"/> </xs:annotation> </xs:element> </xs:sequence> </xs:element> </xs:sequence> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element Wagons

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	WagonNumberFreight WagonDetails SummaryOfGoodsWithSameRID LoadingTackles Goods ITU RollingRoadUnit
used by	element ConsignmentOrderMessage/COMS/COM
annotation	documentation Content of the wagon
source	<pre> <xs:element name="Wagons"> <xs:annotation> <xs:documentation>Content of the wagon</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="WagonNumberFreight"/> <xs:sequence> <xs:element name="WagonDetails"> <xs:annotation> <xs:documentation>Details for the specific wagon</xs:documentation> </xs:annotation> </xs:element> <xs:element name="WagonInfo" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information, concerning the goods of the whole wagon.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:element ref="LoadingStatus"/> <xs:element name="Goods"> <xs:annotation> <xs:documentation>Describes the goods inside the means of transport</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ITU"> <xs:annotation> <xs:documentation>Describes the type and content of an IntermodalTransportUnit</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RollingRoadUnit"> <xs:annotation> <xs:documentation>Describes the type and content of a Rolling road unit</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:maxLength value="500"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="WagonTypeDetails" minOccurs="0"> <xs:annotation> <xs:documentation>These elements are only needed, if the wagon has to be treated as CUV (empty wagon).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="WagonWeightEmpty"/> <xs:element ref="WagonNumberOfAxles"/> <xs:element ref="WagonLength"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="TotalWeight" minOccurs="0"/> <xs:element name="LoadLimit" minOccurs="0"> <xs:annotation> <xs:documentation>Load limit from table of load limits in [t].</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="0"/> <xs:totalDigits value="4"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Seals" minOccurs="0"> <xs:annotation> <xs:documentation>Describes the seals used for the consignment</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="Ship" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information for transports, which shall be handed over to a ship.</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DeliveryReference" minOccurs="0"/> <xs:element ref="OriginCountry" minOccurs="0"/> <xs:element name="ExceptionalConsignment" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Exceptional Consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="IM_Partner"/> <xs:element name="PermissionNumber"> <xs:annotation> <xs:documentation>Reference/permission number of the exceptional </pre>
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	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="ShuntingModalLabel" minOccurs="0"> <xs:annotation> <xs:documentation>Shunting modal label according to RID</xs:documentation> 5.3.4 </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration <xs:enumeration </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="ReferenceNumbers" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="SummaryOfGoodsWithSameRID" minOccurs="0" maxOccurs="25"/> <xs:choice> <xs:sequence> <xs:element ref="LoadingTackles" minOccurs="0" maxOccurs="99"/> <xs:element ref="Goods" maxOccurs="99"/> </xs:sequence> <xs:element ref="ITU" maxOccurs="25"/> <xs:element ref="RollingRoadUnit" maxOccurs="5"/> </xs:choice> </xs:sequence> </xs:complexType> </xs:element> </pre>
chapter	

element Wagons/WagonDetails

diagram	<pre> classDiagram class WagonDetails { <<Details for the specific wagon>> } class LoadingStatus class WagonInfo class WagonTypeDetails class TotalWeight class LoadLimit class Seals class Ship class DeliveryReference class OriginCountry class ExceptionalConsignment class ShuntingModalLabel class ReferenceNumbers WagonDetails "1" -- "0..1" LoadingStatus WagonDetails "1" -- "0..1" WagonInfo WagonDetails "1" -- "0..1" WagonTypeDetails WagonDetails "1" -- "0..1" TotalWeight WagonDetails "1" -- "0..1" LoadLimit WagonDetails "1" -- "0..1" Seals WagonDetails "1" -- "0..1" Ship WagonDetails "1" -- "0..1" DeliveryReference WagonDetails "1" -- "0..1" OriginCountry WagonDetails "1" -- "0..1" ExceptionalConsignment WagonDetails "1" -- "0..1" ShuntingModalLabel WagonDetails "1" -- "0..1" ReferenceNumbers </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LoadingStatus WagonInfo WagonTypeDetails TotalWeight LoadLimit Seals Ship DeliveryReference OriginCountry ExceptionalConsignment ShuntingModalLabel ReferenceNumbers
annotation	<p>documentation</p> <p>Details for the specific wagon</p>
source	<pre> <xss:element name="WagonDetails"> <xss:annotation> <xss:documentation>Details for the specific wagon</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="LoadingStatus"/> <xss:element name="WagonInfo" minOccurs="0"> <xss:annotation> <xss:documentation>Additional information, concerning the goods of the whole wagon.</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction base="xs:string"> </xss:restriction> </xss:element> </xss:sequence> </xss:complexType> </xss:element> </pre>

	<pre> <xs:maxLength value="500"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="WagonTypeDetails" minOccurs="0"> <xs:annotation> <xs:documentation>These elements are only needed, if the wagon has to be treated as CUV (empty wagon).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="WagonWeightEmpty"/> <xs:element ref="WagonNumberOfAxles"/> <xs:element ref="WagonLength"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="TotalWeight" minOccurs="0"/> <xs:element name="LoadLimit" minOccurs="0"> <xs:annotation> <xs:documentation>Load limit from table of load limits in [t].</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="0"/> <xs:totalDigits value="4"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Seals" minOccurs="0"> <xs:annotation> <xs:documentation>Describes the seals used for the consignment</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="Ship" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information for transports, which shall be handed over to a ship.</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DeliveryReference" minOccurs="0"/> <xs:element ref="OriginCountry" minOccurs="0"/> <xs:element name="ExceptionalConsignment" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Exceptional Consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="IM_Partner"/> <xs:element name="PermissionNumber"> <xs:annotation> <xs:documentation>Reference/permission number of the exceptional consignment.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>
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	<pre> <xs:restriction <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="ShuntingModalLabel" minOccurs="0"> <xs:annotation> <xs:documentation>Shunting modal label according to chapter 5.3.4 RID</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:enumeration <xs:enumeration </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="ReferenceNumbers" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element Wagons/WagonDetails/WagonInfo

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 500
annotation	documentation Additional information, concerning the goods of the whole wagon.
source	<pre> <xs:element name="WagonInfo" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information, concerning the goods of the whole wagon. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:maxLength <xs:minLength </xs:restriction> </xs:simpleType> </xs:element> </pre>

element Wagons/WagonDetails/WagonTypeDetails

diagram	<pre> classDiagram class WagonTypeDetails { <<These elements are only needed, if the wagon has to be treated as CUV (empty wagon).>> <<WagonWeightEmpty>> <<WagonNumberOfAxles>> <<WagonLength>> } </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	WagonWeightEmpty WagonNumberOfAxles WagonLength
annotation	<p>documentation</p> <p>These elements are only needed, if the wagon has to be treated as CUV (empty wagon).</p>
source	<pre> <x:element name="WagonTypeDetails" minOccurs="0"> <x:annotation> <x:documentation>These elements are only needed, if the wagon has to be treated as CUV (empty wagon).</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element ref="WagonWeightEmpty"/> <x:element ref="WagonNumberOfAxles"/> <x:element ref="WagonLength"/> </x:sequence> </x:complexType> </x:element> </pre>

element Wagons/WagonDetails/LoadLimit

diagram	<pre> classDiagram class LoadLimit { <<Load limit from table of load limits in [t].>> } </pre>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:decimal									
properties	minOcc 0 maxOcc 1 content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>totalDigits</td> <td>4</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		totalDigits	4	
Kind	Value	Annotation								
minInclusive	0									
totalDigits	4									
annotation	<p>documentation</p> <p>Load limit from table of load limits in [t].</p>									
source	<pre> <x:element name="LoadLimit" minOccurs="0"> <x:annotation> <x:documentation>Load limit from table of load limits in [t].</x:documentation> </x:annotation> <x:simpleType> <x:restriction base="xs:decimal"> </pre>									

	<pre> <xs:minInclusive <xs:totalDigits /> </xs:restriction> </xs:simpleType> </xs:element> </pre>	value="0"/> value="4"/>
--	--	--

element Wagons/WagonDetails/ExceptionalConsignment

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 10 content complex
children	IM Partner PermissionNumber
annotation	<p>documentation</p> <p>Exceptional Consignment</p>
source	<pre> <xs:element name="ExceptionalConsignment" minOccurs="0" maxOccurs="10"> <xs:annotation> <xs:documentation>Exceptional Consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="IM_Partner"/> <xs:element name="PermissionNumber"> <xs:annotation> <xs:documentation>Reference/permission number of the exceptional consignment.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="24"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element Wagons/WagonDetails/ExceptionalConsignment/PermissionNumber

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple

facets	Kind Value Annotation minLength 1 maxLength 24
annotation	documentation Reference/permission number of the exceptional consignment.
source	<pre> <xs:element name="PermissionNumber"> <xs:annotation> <xs:documentation>Reference/permission number of the exceptional consignment.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>

element Wagons/WagonDetails/ShuntingModalLabel

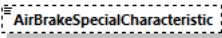
diagram	<p>ShuntingModalLabel Shunting modal label according to chapter 5.3.4 RID</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:token
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation enumeration 13 enumeration 15
annotation	documentation Shunting modal label according to chapter 5.3.4 RID
source	<pre> <xs:element name="ShuntingModalLabel" minOccurs="0"> <xs:annotation> <xs:documentation>Shunting modal label according to chapter 5.3.4 RID</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration <xs:enumeration </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **WagonTechData**

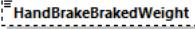
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LengthOverBuffers WagonNumberOfAxles AirBrakeType BrakingPowerVariationDevice AirBrakeSpecialCharacteristic HandBrakeType HandBrakeBrakedWeight ParkingBrakeForce NormalLoadingGauge CouplingType WagonWeightEmpty TechnicalRestrictions
used by	element WagonData
annotation	<p>documentation</p> <p>This element shows the wagon relevant technical data for the wagons within a running train</p>
source	<pre> <xs:element name="WagonTechData"> <xs:annotation> <xs:documentation>This element shows the wagon relevant technical data for the wagons within a running train</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="LengthOverBuffers"/> <xs:element ref="WagonNumberOfAxles"/> <xs:element ref="AirBrakeType" minOccurs="0"/> <xs:element ref="BrakingPowerVariationDevice" minOccurs="0"/> <xs:element name="AirBrakeSpecialCharacteristic" minOccurs="0"> <xs:annotation> <xs:documentation>Coding in 404-2, chapter 1.8</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> <xs:maxInclusive value="9"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="HandBrakeType" minOccurs="0"/> <xs:element name="HandBrakeBrakedWeight" minOccurs="0"> <xs:annotation> <xs:documentation>Coding in 404-2, chapter 1.7 </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive base="xs:integer"> <xs:value value="000"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="ParkingBrakeForce" minOccurs="0"/> <xs:element ref="NormalLoadingGauge" minOccurs="0"/> <xs:element ref="CouplingType" minOccurs="0"/> <xs:element ref="WagonWeightEmpty" type="Numeric2-2" maxOccurs="6"/> <xs:element name="TechnicalRestrictions" type="Numeric2-2" minOccurs="0"> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **WagonTechData/AirBrakeSpecialCharacteristic**

diagram	 <small>Coding in 404-2, chapter 1.8</small>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	minOcc 0 maxOcc 1 content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>9</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	9	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	9									
annotation	documentation <small>Coding in 404-2, chapter 1.8</small>									
source	<pre> <xs:element name="AirBrakeSpecialCharacteristic" minOccurs="0"> <xs:annotation> <xs:documentation>Coding in 404-2, chapter 1.8</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive base="xs:integer"> <xs:value value="0"/> <xs:maxInclusive value="9"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

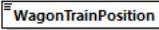
element **WagonTechData/HandBrakeBrakedWeight**

diagram	 Coding in 404-2, chapter 1.7
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 000 maxInclusive 999
annotation	documentation Coding in 404-2, chapter 1.7
source	<pre><xs:element name="HandBrakeBrakedWeight" minOccurs="0"> <xs:annotation> <xs:documentation>Coding in 404-2, chapter 1.7</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive>000</xs:minInclusive> <xs:maxInclusive>999</xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **WagonTechData/TechnicalRestrictions**

diagram	 0.6
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric2-2
properties	minOcc 0 maxOcc 6 content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
source	<pre><xs:element name="TechnicalRestrictions" type="Numeric2-2" minOccurs="0" maxOccurs="6"/></pre>

element **WagonTrainPosition**

diagram	 Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:int
properties	content simple

used by	element WagonData									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999</td> <td></td> </tr> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	999	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	999									
annotation	<p>documentation</p> <p>Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.</p>									
source	<pre> <xs:element name="WagonTrainPosition"> <xs:annotation> <xs:documentation>Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element [WagonWeightEmpty](#)

diagram	 WagonWeightEmpty <p>The weight of an empty wagon according to the entry in the rolling stock database</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	WeightValueKilo												
properties	content simple												
used by	elements RollingStockDataset/DesignDataSet WagonTechData Wagons/WagonDetails/WagonTypeDetails												
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999999</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>collapse</td> <td></td> </tr> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	999999		whiteSpace	collapse	
Kind	Value	Annotation											
minInclusive	0												
maxInclusive	999999												
whiteSpace	collapse												
annotation	<p>documentation</p> <p>The weight of an empty wagon according to the entry in the rolling stock database</p>												
source	<pre> <xs:element name="WagonWeightEmpty" type="WeightValueKilo"> <xs:annotation> <xs:documentation>The weight of an empty wagon according to the entry in the rolling stock database</xs:documentation> </xs:annotation> </xs:element> </pre>												

element **WagonYardArrivalMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader WagonNumberFreight YardArrival
annotation	documentation This message is used by the RU to inform the LRU that the wagon has arrived at its yard.
source	<pre> <xs:element name="WagonYardArrivalMessage"> <xs:annotation> <xs:documentation>This message is used by the RU to inform the LRU that the wagon has arrived at its yard.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="WagonNumberFreight"/> <xs:element ref="YardArrival"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **WagonYardDepartureMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader WagonNumberFreight YardDeparture
annotation	documentation This message is used by the RU/Service Provider to inform the Lead RU that the wagon has left the yard.
source	<pre> <xs:element name="WagonYardDepartureMessage"> <xs:annotation> <xs:documentation>This message is used by the RU/Service Provider to inform the Lead RU that the wagon has left the yard.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> </xs:sequence> </xs:complexType> </xs:element> </pre>

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

element **WeightOfSetOfCarriages**

diagram	WeightOfSetOfCarriages The calculated maximum weight of all carriages without the traction									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	WeightValueTonne									
properties	content simple									
used by	element PlannedTrainTechnicalData									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	99999	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	99999									
annotation	documentation The calculated maximum weight of all carriages without the traction									
source	<pre> <xs:element name="WeightOfSetOfCarriages" type="WeightValueTonne"> <xs:annotation> <xs:documentation>The calculated maximum weight of all carriages without the traction</xs:documentation> </xs:annotation> </xs:element> </pre>									

element **WheelDiameter**

diagram	WheelDiameter Diameter of wheels measured in mm. Reference wheel diameter at maximum.									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	content simple									
used by	element RollingStockDataset/DesignDataSet									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>9999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	9999	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	9999									
annotation	documentation Diameter of wheels measured in mm. Reference wheel diameter at maximum.									
source	<pre> <xs:element name="WheelDiameter"> <xs:annotation> <xs:documentation>Diameter of wheels measured in mm. Reference wheel diameter at maximum.</xs:documentation> </xs:annotation> </xs:element> </pre>									

	<pre> </xs:annotation> <xssimpleType> <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction> </xssimpleType> </xs:element></pre>	<pre> </xs:documentation> <base="xs:integer"> <value="1"/> <value="9999"/></pre>
--	--	---

element **WheelsetGauge**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	content simple									
used by	element RollingStockDataset/DesignDataSet									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>9999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	9999	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	9999									
annotation	<p>documentation</p> <p>Track Gauge measured in mm; multi-entry for wagons with changeable wheel set gauge</p>									
source	<pre> <xs:element name="WheelsetGauge"> <xs:annotation> <xs:documentation>Track Gauge measured in mm; multi-entry for wagons with changeable wheel set gauge </xs:documentation> </xs:annotation> <xssimpleType> <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction> </xssimpleType> </xs:element></pre>									

element **Width**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Value Measure

used by	element Dimensions complexType DimensionValue
annotation	documentation Width of ITU
source	<pre><xs:element name="Width"> <xs:annotation> <xs:documentation>Width of ITU</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Value"/> <xs:element ref="Measure"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **WIMO_Dataset**

diagram	<p>Comment describing your root element</p> <p>Rolling Stock administrative and Technical Dataset</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	ConsignmentLevelData EventLevelData RollingStockDataset
annotation	documentation Comment describing your root element
source	<pre><xs:element name="WIMO_Dataset"> <xs:annotation> <xs:documentation>Comment describing your root element</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ConsignmentLevelData"> <xs:complexType> <xs:sequence> <xs:element ref="Customer" maxOccurs="2"/> <xs:element ref="ConsignmentNumber"/> <xs:element ref="Goods"/> <xs:element ref="AgreedTimeOfDelivery"/> <xs:element ref="Destination"/> <xs:element ref="WagonInformation"/> <xs:element ref="ContractNumber" minOccurs="0"/> <xs:element ref="DangerousGoodsIndication" minOccurs="0"/> <xs:element ref="SpecialTreatments" minOccurs="0"/> <xs:element name="PreviousWagonNumber" type="WagonIdent" minOccurs="0"/> <xs:element ref="PreviousConsignmentNumber" minOccurs="0"/> <xs:sequence> <xs:element ref="NextIntermediateDestination"/> <xs:element ref="PreviousResponsibleRU"/> <xs:element ref="NextResponsibleRU"/> </xs:sequence> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

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

element WIMO_Dataset/ConsignmentLevelData

diagram	<pre> classDiagram class Customer class ConsignmentNumber class Goods class AgreedTimeOfDelivery class Destination class WagonInformation class ContractNumber class DangerousGoodsIndication class SpecialTreatments class PreviousWagonNumber class PreviousConsignmentNumber class NextIntermediateDestination class PreviousResponsibleRU class NextResponsibleRU Customer "1..2" -- "Consignor or Consignee" ConsignmentNumber ConsignmentNumber "Reference number assigned to a consignment by a lead RU" -- " " Goods "Describes the goods inside the means of transport" -- " " AgreedTimeOfDelivery "The requested Date and Time for the delivery of a wagon/Shipment or Intermodal units at customer..." -- " " Destination "Destination Location" -- " " WagonInformation "This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon" -- " " ContractNumber "Number of agreement between LeadRU and ResponsibleRU" -- " " DangerousGoodsIndication "Identifies dangerous goods" -- " " SpecialTreatments "Special treatment" -- " " PreviousWagonNumber "This element shows the previous Reference number assigned to a consignment by a lead RU" -- " " PreviousConsignmentNumber "This element shows the previous Reference number assigned to a consignment by a lead RU" -- " " NextIntermediateDestination "Identifies next stopping point on the route of a train" -- " " PreviousResponsibleRU "This element identifies the RU, who was responsible for the train operation on the journey section before an interchange point" -- " " NextResponsibleRU "The RU who is responsible for the train operation on the next journey section." -- " " ConsignmentLevelData "*" -- "*" Customer ConsignmentLevelData "*" -- "*" ConsignmentNumber ConsignmentLevelData "*" -- "*" Goods ConsignmentLevelData "*" -- "*" AgreedTimeOfDelivery ConsignmentLevelData "*" -- "*" Destination ConsignmentLevelData "*" -- "*" WagonInformation ConsignmentLevelData "*" -- "*" ContractNumber ConsignmentLevelData "*" -- "*" DangerousGoodsIndication ConsignmentLevelData "*" -- "*" SpecialTreatments ConsignmentLevelData "*" -- "*" PreviousWagonNumber ConsignmentLevelData "*" -- "*" PreviousConsignmentNumber ConsignmentLevelData "*" -- "*" NextIntermediateDestination ConsignmentLevelData "*" -- "*" PreviousResponsibleRU ConsignmentLevelData "*" -- "*" NextResponsibleRU </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

properties	content complex
children	Customer ConsignmentNumber Goods AgreedTimeOfDelivery Destination WagonInformation ContractNumber DangerousGoodsIndication SpecialTreatments PreviousWagonNumber PreviousConsignmentNumber NextIntermediateDestination PreviousResponsibleRU NextResponsibleRU
source	<pre> <xs:element name="ConsignmentLevelData"> <xs:complexType> <xs:sequence> <xs:element ref="Customer" maxOccurs="2"/> <xs:element ref="ConsignmentNumber"/> <xs:element ref="Goods"/> <xs:element ref="AgreedTimeOfDelivery"/> <xs:element ref="Destination"/> <xs:element ref="WagonInformation"/> <xs:element ref="ContractNumber" minOccurs="0"/> <xs:element ref="DangerousGoodsIndication" minOccurs="0"/> <xs:element ref="SpecialTreatments" minOccurs="0"/> <xs:element name="PreviousWagonNumber" type="WagonIdent" minOccurs="0"/> <xs:element ref="PreviousConsignmentNumber" minOccurs="0"/> <xs:sequence> <xs:element ref="NextIntermediateDestination"/> <xs:element ref="PreviousResponsibleRU"/> <xs:element ref="NextResponsibleRU"/> </xs:sequence> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **WIMO_Dataset/ConsignmentLevelData/PreviousWagonNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	WagonIdent
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 12 pattern [0-9]{12}
source	<xs:element name="PreviousWagonNumber" type="WagonIdent" minOccurs="0"/>

element **WIMO_Dataset/EventLevelData**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

properties	content complex
children	WagonEventInformation VesselIndication
source	<pre> <xs:element name="EventLevelData"> <xs:complexType> <xs:sequence> <xs:element ref="WagonEventInformation" /> <xs:element ref="VesselIndication" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element YardArrival

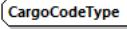
diagram	<p>The arrival point of a wagon and the Date and Time when the wagon is taken over by the RU/Service Provider</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Location ArrivalTimeAtLocationActual
used by	element WagonYardArrivalMessage
annotation	documentation The arrival point of a wagon and the Date and Time when the wagon is taken over by the RU/Service Provider
source	<pre> <xs:element name="YardArrival"> <xs:annotation> <xs:documentation>The arrival point of a wagon and the Date and Time when the wagon is taken over by the RU/Service Provider</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location" /> <xs:element ref="ArrivalTimeAtLocationActual" /> </xs:sequence> </xs:complexType> </xs:element> </pre>

element YardDeparture

diagram	<p>The departure point of a wagon and the Date and Time when the wagon is taken over by the RU/Service Provider</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	Location DepartureTimeAtLocation
used by	element WagonYardDepartureMessage

annotation	documentation The departure point of a wagon and the Date and Time when the wagon is taken over by the RU/Service Provider
source	<pre> <xs:element name="YardDeparture"> <xs:annotation> <xs:documentation>The departure point of a wagon and the Date and Time when the wagon is taken over by the RU/Service Provider</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="DepartureTimeAtLocation"/> </xs:sequence> </xs:complexType> </xs:element></pre>

complexType **CargoCodeType**

diagram	 Identification of the Cargo and the nomenclature used									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	extension of FreeText									
properties	base FreeText									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>255</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	255	
Kind	Value	Annotation								
minLength	1									
maxLength	255									
annotation	documentation Identification of the Cargo and the nomenclature used									
source	<pre> <xs:complexType name="CargoCodeType"> <xs:annotation> <xs:documentation>Identification of the Cargo and the nomenclature used</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="FreeText"/> </xs:simpleContent> </xs:complexType></pre>									

complexType **CompositIdentifierOperationalType**

diagram	<pre> classDiagram class ObjectType { Provides a possibility for differentiation between the objects: Train (TR), Route (RO), Path (PA), Case Reference (CR) and Path Request (PR) } class Company { Identifies a railway company (RU or IM) } class Core { It is the main part of identifier and is determined by the company that creates it. } class Variant { The variant shows a relationship between two identifiers referring to the same business case } class TimetableYear { Refers to the timetable period in which the business will be carried out } class StartDate { Is only used in the operational phase and refers to the date where the single train will start the train journey } class CompositIdentifierOperationalType { Used for unique identification of the objects handled in the messages such as train, path, path request or case reference. } CompositIdentifierOperationalType < -->* ObjectType CompositIdentifierOperationalType < -->* Company CompositIdentifierOperationalType < -->* Core CompositIdentifierOperationalType < -->* Variant CompositIdentifierOperationalType < -->* TimetableYear CompositIdentifierOperationalType < -->* StartDate </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	ObjectType Company Core Variant TimetableYear StartDate
used by	elements RelatedTransportOperationalIdentifiers TrainID TransportOperationalIdentifiers
annotation	documentation Used for unique identification of the objects handled in the messages such as train, path, path request or case reference.
source	<pre> <xs:complexType name="CompositIdentifierOperationalType"> <xs:annotation> <xs:documentation>Used for unique identification of the objects handled in the messages such as train, path, path request or case reference.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element ref="ObjectType"/> <xs:element ref="Company"/> <xs:element ref="Core"/> <xs:element ref="Variant"/> <xs:element ref="TimetableYear"/> <xs:element ref="StartDate"/> </xs:sequence> <xs:annotation> <xs:documentation>Is only used in the operational phase and refers to the date where the single train will start the train journey</xs:documentation> </xs:annotation> </xs:complexType> </pre>

complexType **CompositIdentifierPlannedType**

diagram	<p>CompositIdentifierPlannedType Used for unique identification of the objects handled in the messages such as train, path, path request or case reference.</p> <p>ObjectType Provides a possibility for differentiation between the objects: Train (TR), Route (RO), Path (PA), Case Reference (CR) and Path Request (PR)</p> <p>Company Identifies a railway company (RU or IM)</p> <p>Core It is the main part of identifier and is determined by the company that creates it.</p> <p>Variant The variant shows a relationship between two identifiers referring to the same business case</p> <p>TimetableYear Refers to the timetable period in which the business will be carried out</p> <p>StartDate The start of the date/time in effect</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	ObjectType Company Core Variant TimetableYear StartDate
used by	elements AssociatedAttachedTrainID PlannedTransportIdentifiers RelatedPlannedTransportIdentifiers
annotation	documentation Used for unique identification of the objects handled in the messages such as train, path, path request or case reference.
source	<pre> <xs:complexType name="CompositIdentifierPlannedType"> <xs:annotation> <xs:documentation>Used for unique identification of the objects handled in the messages such as train, path, path request or case reference.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element ref="ObjectType"/> <xs:element ref="Company"/> <xs:element ref="Core"/> <xs:element ref="Variant"/> <xs:element ref="TimetableYear"/> <xs:element ref="StartDate" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>

complexType **ConsignementIdent**

diagram	<p>ConsignementIdent Identifies a waybill by its number and type</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of xs:string
properties	base xs:string
used by	elements ConsignmentNumber PreviousConsignmentNumber

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

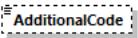
complexType CustomerCode

diagram	<pre> classDiagram class CustomerCode class CountryCodeISO { "Identifies a County or State by code (ISO 3166-1)" } class PrimaryCode class AdditionalCode CustomerCode --> CountryCodeISO CustomerCode --> PrimaryCode CustomerCode --> AdditionalCode </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	CountryCodeISO PrimaryCode AdditionalCode
used by	element Customer
annotation	documentation Identifies the railway customer
source	<pre><xs:complexType name="CustomerCode"> <xs:annotation> <xs:documentation>Identifies the railway customer</xs:documentation> </xs:annotation> <xs:sequence> <xs:element ref="CountryCodeISO"/> <xs:element name="PrimaryCode" type="String1-14"/> <xs:element name="AdditionalCode" type="String1-7" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

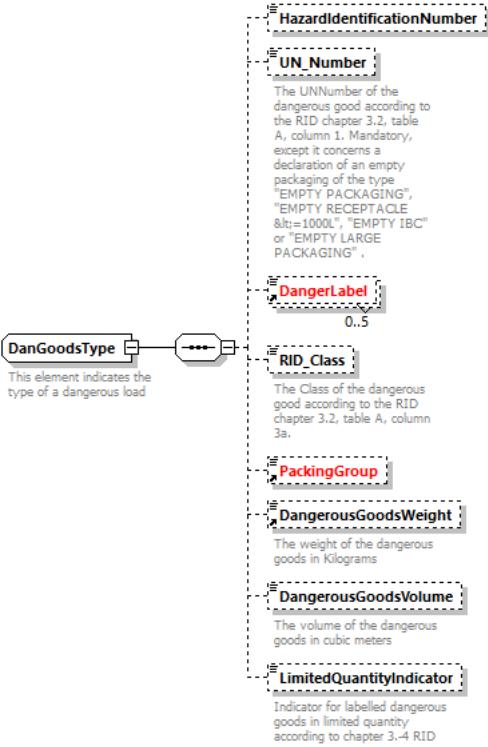
element CustomerCode/PrimaryCode

diagram	<pre> classDiagram class PrimaryCode </pre>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	String1-14									
properties	content simple									
facets	<table> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>14</td> <td></td> </tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	14	
Kind	Value	Annotation								
minLength	1									
maxLength	14									
source	<pre><xs:element name="PrimaryCode" type="String1-14"/></pre>									

element **CustomerCode/AdditionalCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	String1-7
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 7
source	<xs:element name="AdditionalCode" type="String1-7" minOccurs="0"/>

complexType **DanGoodsType**

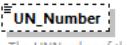
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	HazardIdentificationNumber UN Number DangerLabel RID Class PackingGroup DangerousGoodsWeight DangerousGoodsVolume LimitedQuantityIndicator
used by	element DangerousGoodsIndication
annotation	documentation This element indicates the type of a dangerous load
source	<pre> <xs:complexType name="DanGoodsType"> <xs:annotation> <xs:documentation>This element indicates the type of a dangerous load</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="HazardIdentificationNumber" minOccurs="0"> </pre>

	<pre> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="UN_Number" minOccurs="0"> <xs:annotation> <xs:documentation>The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="DangerLabel" minOccurs="0" maxOccurs="5"/> <xs:element name="RID_Class" minOccurs="0"> <xs:annotation> <xs:documentation>The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="PackingGroup" minOccurs="0"/> <xs:element ref="DangerousGoodsWeight" minOccurs="0"> <xs:annotation> <xs:documentation>The weight of the dangerous goods in Kilograms</xs:documentation> </xs:annotation> </xs:element> <xs:element name="DangerousGoodsVolume" type="VolumeValue" minOccurs="0"> <xs:annotation> <xs:documentation>The volume of the dangerous goods in cubic meters</xs:documentation> </xs:annotation> </xs:element> <xs:element name="LimitedQuantityIndicator" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>
--	---

element **DanGoodsType/HazardIdentificationNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 4
source	<pre><xs:element name="HazardIdentificationNumber" minOccurs="0"> <xs:simpleType> <xs:restriction> <xs:minLength value="2"/> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **DanGoodsType/UN_Number**

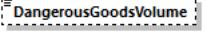
diagram	 The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING".
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
used by	element SummaryOfGoodsWithSameRID
facets	Kind Value Annotation length 4 pattern \d*[1-9]\d*
annotation	documentation The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING".
source	<pre><xs:element name="UN_Number" minOccurs="0"> <xs:annotation> <xs:documentation>The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"></pre>

	<pre> <xs:length <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	--

element **DanGoodsType/RID_Class**

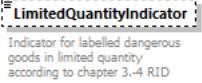
diagram	 RID_Class The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	minOcc 0 maxOcc 1 content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	4	
Kind	Value	Annotation								
minLength	1									
maxLength	4									
annotation	documentation The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.									
source	<pre> <xs:element name="RID_Class" minOccurs="0"> <xs:annotation> <xs:documentation>The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element **DanGoodsType/DangerousGoodsVolume**

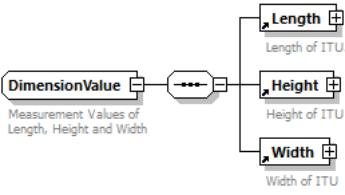
diagram	 DangerousGoodsVolume The volume of the dangerous goods in cubic meters
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	VolumeValue
properties	minOcc 0 maxOcc 1 content simple
used by	element SummaryOfGoodsWithSameRID
annotation	documentation The volume of the dangerous goods in cubic meters
source	<pre> <xs:element name="DangerousGoodsVolume" type="VolumeValue" minOccurs="0"> <xs:annotation> <xs:documentation>The volume of the dangerous goods in cubic meters</xs:documentation> </xs:annotation> </pre>

	</xs:annotation> </xs:element>
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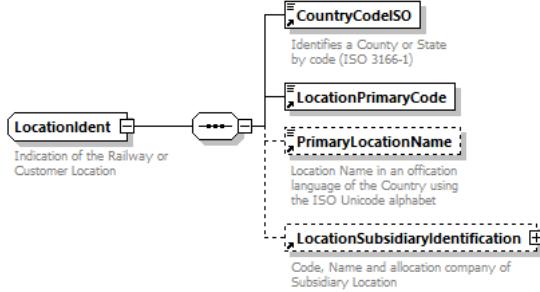
element DanGoodsType/LimitedQuantityIndicator

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation <u>Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID</u>
source	<pre><xs:element name="LimitedQuantityIndicator" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID</xs:documentation> </xs:annotation> </xs:element></pre>

complexType DimensionValue

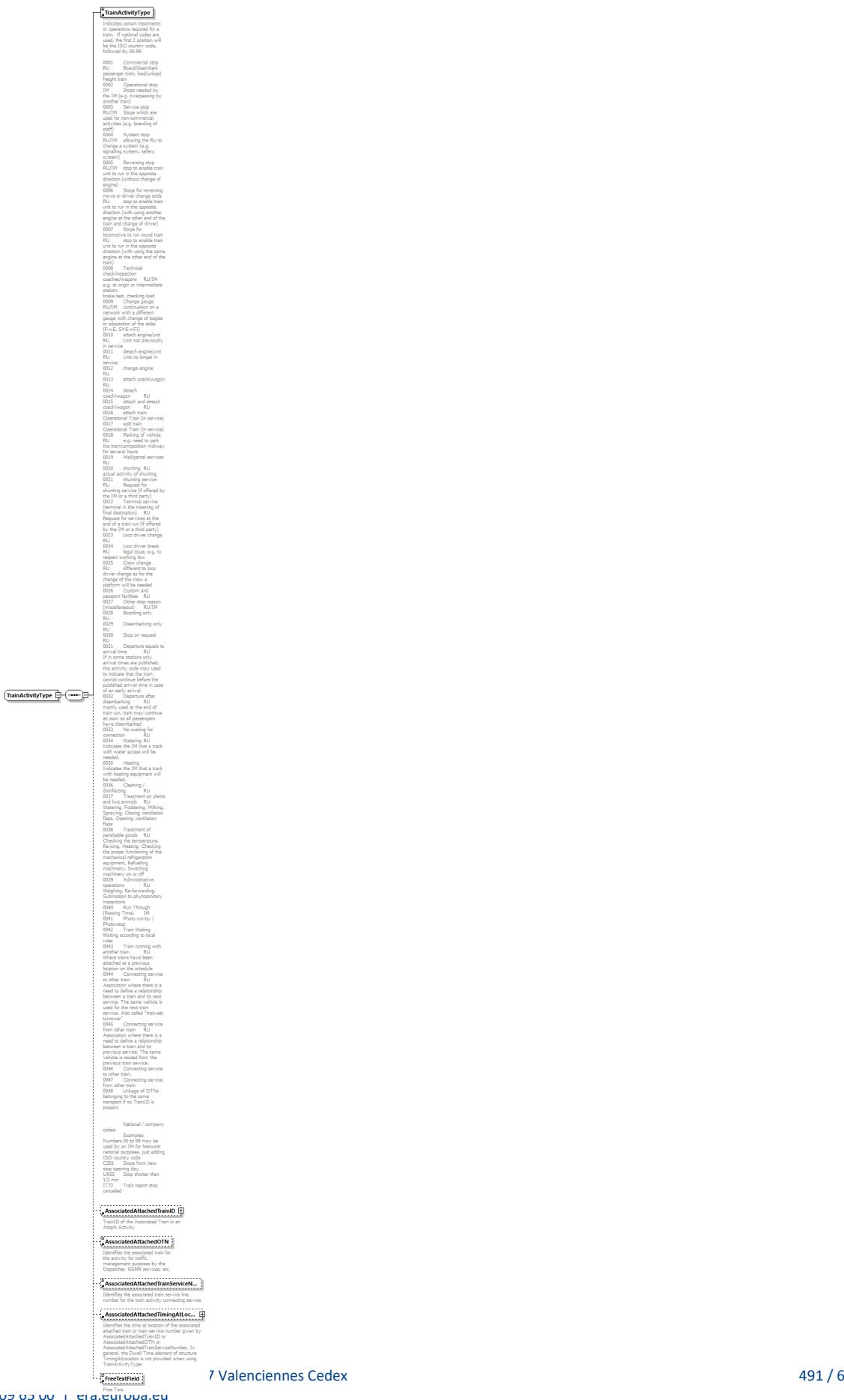
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	Length Height Width
annotation	documentation Measurement Values of Length, Height and Width
source	<pre><xs:complexType name="DimensionValue"> <xs:annotation> <xs:documentation>Measurement Values of Length, Height and Width</xs:documentation> </xs:annotation> <xs:sequence> <xs:element ref="Length"/> <xs:element ref="Height"/> <xs:element ref="Width"/> </xs:sequence> </xs:complexType></pre>

complexType **LocationIdent**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	element TrainRunningData/Activities/ActivityLocationIdent ArrivalTrackAtLocation DelayLocation DepartureJourneyTrack DepartureTrackAtLocation Destination ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance/DifferentAcceptanc ePoint EndLocation AffectedSection/EndOfSection IntermediateDestination JourneySectionDestination JourneySectionOrigin Location LocationActualTrack LocationPlannedTrack NetworkProjectedLocation/NextLocation TrainInformation/PathPlanningReferenceLocation PlannedJourneyLocation StartLocation AffectedSection/StartOfSection Station TrainReadyMessage/TrainLocation TransferPoint
annotation	documentation Indication of the Railway or Customer Location
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="CountryCodeISO"/> <xs:element ref="LocationPrimaryCode"/> <xs:element ref="PrimaryLocationName" minOccurs="0"/> <xs:element ref="LocationSubsidiaryIdentification" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

complexType **TrainActivityType**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	TrainActivityType AssociatedAttachedTrainID AssociatedAttachedOTN AssociatedAttachedTrainServiceNumber AssociatedAttachedTimingAtLocation FreeTextField
used by	element TrainActivity
source	<pre><xs:complexType name="TrainActivityType"> <xs:sequence> <xs:element ref="TrainActivityType" /> <xs:element ref="AssociatedAttachedTrainID" minOccurs="0" /> <xs:element ref="AssociatedAttachedOTN" minOccurs="0" /> <xs:element ref="AssociatedAttachedTrainServiceNumber" minOccurs="0" /> <xs:element ref="AssociatedAttachedTimingAtLocation" minOccurs="0" /> <xs:element ref="FreeTextField" minOccurs="0" /> </xs:sequence> </xs:complexType></pre>

complexType **ValidityPeriod**

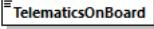
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	StartDate EndDate
used by	elements LocationPrimaryInformation/FreightValidityPeriod LocationValidityPeriod LocationPrimaryInformation/PassengerValidityPeriod
source	<pre><xs:complexType name="ValidityPeriod"> <xs:sequence> <xs:element ref="StartDate" /> <xs:element ref="EndDate" minOccurs="0" /> </xs:sequence> </xs:complexType></pre>

complexType **WagonTelematics**

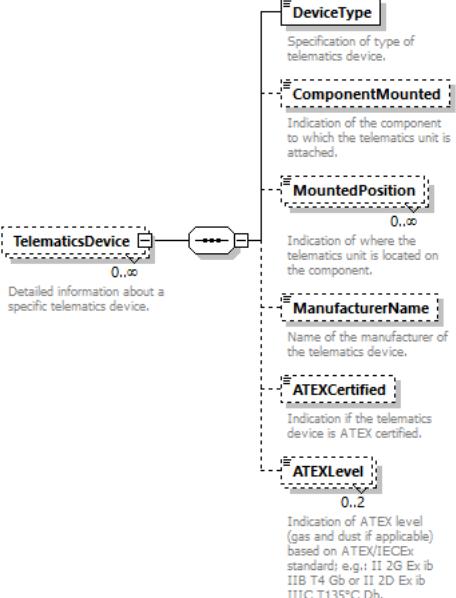
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	TelematicsOnBoard TelematicsDevice
used by	element RollingStockDataset/DesignDataSet/WagonTelematics
source	<pre><xs:complexType name="WagonTelematics"> <xs:sequence> <xs:element name="TelematicsOnBoard" type="xs:boolean" /> <xs:annotation> <xs:documentation xml:lang="en">Indication if wagon is equipped with</pre>

	a	<pre> telematics </xs:annotation> </xs:element> <xs:element name="TelematicsDevice" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation xml:lang="en">Detailed information about a specific telematics </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="DeviceType"> <xs:annotation> <xs:documentation xml:lang="en">Specification of type of device.</xs:documentation> telematics </xs:annotation> <xs:simpleType> <xs:restriction <xs:enumeration value="Telematics" base="xs:string"> Unit</xs:enumeration> <xs:enumeration value="Sensor" base="xs:string"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ComponentMounted" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="en">Indication of the component to the telematics unit is attached.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:enumeration value="Superstructure" base="xs:string"/> <xs:enumeration value="Tank" base="xs:string"/> <xs:enumeration value="End" base="xs:string"/> <xs:enumeration value="Side" base="xs:string"/> <xs:enumeration value="Marking" base="xs:string"/> <xs:enumeration value="Frame" base="xs:string"/> <xs:enumeration value="Headstock" base="xs:string"/> <xs:enumeration value="Saddle" base="xs:string"/> <xs:enumeration value="Longitudinal" base="xs:string"/> <xs:enumeration value="Latitudinal" base="xs:string"/> <xs:enumeration value="Hitch" base="xs:string"/> <xs:enumeration value="Bogie" base="xs:string"/> <xs:enumeration value="Axle" base="xs:string"/> <xs:enumeration value="box" base="xs:string"/> <xs:enumeration value="Lift off" base="xs:string"/> <xs:enumeration value="Brake" base="xs:string"/> <xs:enumeration value="Brake" base="xs:string"/> <xs:enumeration value="Air" base="xs:string"/> <xs:enumeration value="Brake" base="xs:string"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="MountedPosition" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation xml:lang="en">Indication of where the telematics unit is located on the component.</xs:documentation> </xs:annotation> <xs:simpleType></pre>
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element **WagonTelematics/TelematicsOnBoard**

diagram	
	Indication if wagon is equipped with a telematics device.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	content simple
annotation	documentation Indication if wagon is equipped with a telematics device.
source	<pre><xs:element name="TelematicsOnBoard" type="xs:boolean"> <xs:annotation> <xs:documentation xml:lang="en">Indication if wagon is equipped with a telematics device.</xs:documentation> </xs:annotation> </xs:element></pre>

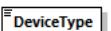
element **WagonTelematics/TelematicsDevice**

diagram	 <p>Detailed information about a specific telematics device.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc unbounded content complex
children	DeviceType ComponentMounted MountedPosition ManufacturerName ATEXCertified ATEXLevel
annotation	documentation Detailed information about a specific telematics device.
source	<pre><xs:element name="TelematicsDevice" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation xml:lang="en">Detailed information about a specific telematics device.</xs:documentation> </xs:annotation> </xs:element></pre>

	<pre> <xs:sequence> <xs:element name="DeviceType"> <xs:annotation> <xs:documentation xml:lang="en">Specification of type of telematics device.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration value="Telematics" base="xs:string">Unit</xs:enumeration> <xs:enumeration value="Sensor" base="xs:string"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ComponentMounted" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="en">Indication of the component to which the telematics unit is attached.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration value="Superstructure" base="xs:string"/> <xs:enumeration value="Tank" base="xs:string"/> <xs:enumeration value="End wall" base="xs:string"/> <xs:enumeration value="Side wall" base="xs:string"/> <xs:enumeration value="Marking plate" base="xs:string"/> <xs:enumeration value="Frame" base="xs:string"/> <xs:enumeration value="Headstock" base="xs:string"/> <xs:enumeration value="Saddle plate" base="xs:string"/> <xs:enumeration value="Longitudinal beam" base="xs:string"/> <xs:enumeration value="Latitudinal beam" base="xs:string"/> <xs:enumeration value="Hitch" base="xs:string"/> <xs:enumeration value="Bogie" base="xs:string"/> <xs:enumeration value="Axle" base="xs:string"/> <xs:enumeration value="Axle box" base="xs:string"/> <xs:enumeration value="Lift off protection" base="xs:string"/> <xs:enumeration value="Brake system" base="xs:string"/> <xs:enumeration value="Air blocks" base="xs:string"/> <xs:enumeration value="Brake pipes" base="xs:string"/> <xs:enumeration value="Brake valves" base="xs:string"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="MountedPosition" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation xml:lang="en">Indication of where the telematics unit is located on the component.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration value="Side" base="xs:string"/> <xs:enumeration value="Top" base="xs:string"/> <xs:enumeration value="Bottom" base="xs:string"/> <xs:enumeration value="Inside" base="xs:string"/> <xs:enumeration value="Left" base="xs:string"/> <xs:enumeration value="Right" base="xs:string"/> <xs:enumeration value="Center" base="xs:string"/> <xs:enumeration value="Below isolation" base="xs:string"/> <xs:enumeration value="Hand brake" base="xs:string"/> <xs:enumeration value="end" base="xs:string"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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	<pre> <xs:enumeration value="Non" brake end"/> <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:enumeration value="7"/> <xs:enumeration value="8"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ManufacturerName" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="en">Name of the manufacturer of the telematics </xs:annotation> <xs:simpleType> <xs:restriction <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ATEXCertified" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="en">Indication if the telematics device is ATEX certified.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ATEXLevel" minOccurs="0" maxOccurs="2"> <xs:annotation> <xs:documentation xml:lang="en">Indication of ATEX level (gas and dust if applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB T4 Gb or II 2D Ex ib IIIIC T135°C Db.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element **WagonTelematics/TelematicsDevice/DeviceType**

diagram	 DeviceType Specification of type of telematics device.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	content simple
facets	Kind Value Annotation enumeration Telematics Unit

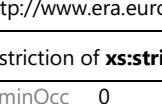
	enumeration Sensor
annotation	documentation Specification of type of telematics device.
source	<pre> <xs:element name="DeviceType"> <xs:annotation> <xs:documentation xml:lang="en">Specification of type of telematics device.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Telematics" /> <xs:enumeration value="Sensor" /> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **WagonTelematics/TelematicsDevice/ComponentMounted**

diagram	 <p>Indication of the component to which the telematics unit is attached.</p>																																																												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																																																												
type	restriction of xs:string																																																												
properties	minOcc 0 maxOcc 1 content simple																																																												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Superstructure</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Tank</td> <td></td> </tr> <tr> <td>enumeration</td> <td>End wall</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Side wall</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Marking plate</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Frame</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Headstock</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Saddle plate</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Longitudinal beam</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Latitudinal beam</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Hitch</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Bogie</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Axle</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Axle box</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Lift off protection</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Brake system</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Brake blocks</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Air pipes</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Brake valves</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	Superstructure		enumeration	Tank		enumeration	End wall		enumeration	Side wall		enumeration	Marking plate		enumeration	Frame		enumeration	Headstock		enumeration	Saddle plate		enumeration	Longitudinal beam		enumeration	Latitudinal beam		enumeration	Hitch		enumeration	Bogie		enumeration	Axle		enumeration	Axle box		enumeration	Lift off protection		enumeration	Brake system		enumeration	Brake blocks		enumeration	Air pipes		enumeration	Brake valves	
Kind	Value	Annotation																																																											
enumeration	Superstructure																																																												
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enumeration	Brake blocks																																																												
enumeration	Air pipes																																																												
enumeration	Brake valves																																																												
annotation	documentation Indication of the component to which the telematics unit is attached.																																																												
source	<pre> <xs:element name="ComponentMounted" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="en">Indication of the component to which the telematics unit is attached.</xs:documentation> </xs:annotation> </xs:element> </pre>																																																												

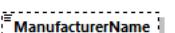
```
telematics          unit      is      attached.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction>
                        <xs:enumeration value="Superstructure"/>
                        <xs:enumeration value="Tank"/>
                        <xs:enumeration value="End"/>
                        <xs:enumeration value="Side"/>
                        <xs:enumeration value="Marking"/>
                        <xs:enumeration value="Frame"/>
                        <xs:enumeration value="Headstock"/>
                        <xs:enumeration value="Saddle"/>
                        <xs:enumeration value="Longitudinal"/>
                        <xs:enumeration value="Latitudinal"/>
                        <xs:enumeration value="Hitch"/>
                        <xs:enumeration value="Bogie"/>
                        <xs:enumeration value="Axele"/>
                        <xs:enumeration value="Lift off"/>
                        <xs:enumeration value="Brake"/>
                        <xs:enumeration value="Air"/>
                        <xs:enumeration value="Brake"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
```

element **WagonTelematics/TelematicsDevice/MountedPosition**

diagram	 <p>MountedPosition 0..∞</p> <p>Indication of where the telematics unit is located on the component.</p>																																													
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																																													
type	restriction of xs:string																																													
properties	minOcc 0 maxOcc unbounded content simple																																													
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Side</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Top</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Bottom</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Inside</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Left</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Right</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Center</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Below isolation</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Hand brake end</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Non brake end</td> <td></td> </tr> <tr> <td>enumeration</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>4</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	Side		enumeration	Top		enumeration	Bottom		enumeration	Inside		enumeration	Left		enumeration	Right		enumeration	Center		enumeration	Below isolation		enumeration	Hand brake end		enumeration	Non brake end		enumeration	1		enumeration	2		enumeration	3		enumeration	4	
Kind	Value	Annotation																																												
enumeration	Side																																													
enumeration	Top																																													
enumeration	Bottom																																													
enumeration	Inside																																													
enumeration	Left																																													
enumeration	Right																																													
enumeration	Center																																													
enumeration	Below isolation																																													
enumeration	Hand brake end																																													
enumeration	Non brake end																																													
enumeration	1																																													
enumeration	2																																													
enumeration	3																																													
enumeration	4																																													

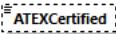
	enumeration 5 enumeration 6 enumeration 7 enumeration 8
annotation	documentation Indication of where the telematics unit is located on the component.
source	<pre><xs:element name="MountedPosition" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation xml:lang="en">Indication of where the telematics unit is located on the component.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration base="xs:string"> value="Side"/> value="Top"/> value="Bottom"/> value="Inside"/> value="Left"/> value="Right"/> value="Center"/> <xs:enumeration value="Below" base="xs:string"> value="Hand"/> value="Non"/> <xs:enumeration value="Brake" base="xs:string"> value="Brake"/> value="End"/> <xs:enumeration value="Isolation" base="xs:string"> value="1"/> value="2"/> value="3"/> value="4"/> value="5"/> value="6"/> value="7"/> value="8"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **WagonTelematics/TelematicsDevice/ManufacturerName**

diagram	 ManufacturerName Name of the manufacturer of the telematics device.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 255
annotation	documentation Name of the manufacturer of the telematics device.
source	<pre><xs:element name="ManufacturerName" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="en">Name of the manufacturer of the telematics device.</xs:documentation> </xs:annotation></pre>

	<pre> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:string"> value="255"/> </pre>
--	---	--

element **WagonTelematics/TelematicsDevice/ATEXCertified**

diagram	 <p>Indication if the telematics device is ATEX certified.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:boolean
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication if the telematics device is ATEX certified.
source	<pre> <xs:element name="ATEXCertified" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="en">Indication if the telematics device is ATEX </xs:annotation> </xs:element> </pre>

element **WagonTelematics/TelematicsDevice/ATEXLevel**

diagram	 <p>0..2 Indication of ATEX level (gas and dust if applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB T4 Gb or II 2D Ex ib IIIC T135°C Db.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 2 content simple
facets	Kind Value Annotation maxLength 50
annotation	documentation Indication of ATEX level (gas and dust if applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB T4 Gb or II 2D Ex ib IIIC T135°C Db.
source	<pre> <xs:element name="ATEXLevel" minOccurs="0" maxOccurs="2"> <xs:annotation> <xs:documentation xml:lang="en">Indication of ATEX level (gas and dust if applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB T4 Gb or II 2D Ex ib IIIC T135°C Db.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xs:simpleType> </pre>

```

      base="xs:string">
      value="50"/>

```

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

simpleType CommunicationRefID

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of <code>xs:string</code>
properties	base <code>xs:string</code>
used by	elements eMail FaxNumber PhoneNumber TrainContactDetails
facets	Kind Value Annotation <code>minLength</code> 1 <code>maxLength</code> 70
annotation	documentation Identifier for communications contact reference (i.e. fax number, phone number, e-mail, URL)
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

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of String4-4
properties	base <code>String4-4</code>
used by	elements AllocationCompany Company CoordinatingIM ConsignmentOrderMessage/COMS/COM/RU Declarations/RU_Declaration/DeclaringRU IM_Partner ImpactedRU LeadRU NextResponsibleRU PreviousResponsibleRU ConsignmentOrderMessage/COMS/COM/CustomsData/PrincipalRU ConsignmentOrderMessage/COMS/COM_Header/ReceivingRU Recipient ResponsibleApplicant ResponsibleIM ResponsibleRU RU_Partner Sender ConsignmentOrderMessage/COMS/COM_Header/SendingRU TransfereeIM
facets	Kind Value Annotation <code>minLength</code> 4 <code>maxLength</code> 4 <code>pattern</code> [0-9A-Z]{4}
annotation	documentation Identifies the RU, IM or other company involved in the Rail Transport Chain
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> </xs:annotation> <xs:restriction base="String4-4"> <xs:pattern value="[0-9A-Z]{4}"/> </xs:restriction> </xs:simpleType> </pre>

	</xs:simpleType>
--	------------------

simpleType CountryIdentISO

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	base xs:string
used by	elements CountryCodeISO ITU Details/DepartureCountry RollingStockDataset/DesignDataSet/LoadTable/LoadTableCountry RollingStockDataset/AdministrativeDataSet/MultilateralAuthorisationCountries OriginCountry RollingStockDataset/AdministrativeDataSet/QuieterRoutesExemptionCountry RollingStockDataset/AdministrativeDataSet/RegistrationCountry UltimateDestinationCountry
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO 3166-1 alpha code (2 positions)
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 DeltaTime

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	base xs:string
used by	elements AgainstBooked AgainstReferenced
facets	Kind Value Annotation length 5
annotation	documentation Time difference delay (+) or ahead of schedule (-) this shall be 1character + 4 Numeric
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 DerailmentDetectionDevice

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
-----------	---

type	restriction of xs:string																			
properties	base xs:string																			
used by	element RollingStockDataset/DesignDataSet/DerailmentDetectionDevice																			
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> <td></td> </tr> <tr> <td>enumeration</td> <td>EDT 101</td> <td></td> <td></td> </tr> <tr> <td>enumeration</td> <td>MDV 100</td> <td></td> <td></td> </tr> <tr> <td>enumeration</td> <td>Non coded device</td> <td></td> <td></td> </tr> </table>				Kind	Value	Annotation		enumeration	EDT 101			enumeration	MDV 100			enumeration	Non coded device		
Kind	Value	Annotation																		
enumeration	EDT 101																			
enumeration	MDV 100																			
enumeration	Non coded device																			
annotation	<p>documentation</p> <p>Identification of derailment detection device equipped on the wagon. Element is mandatory if wagon is equipped with such device.</p> <p>The following values are defined:</p> <ul style="list-style-type: none"> EDT 101 MDV 100 Non coded device 																			
source	<pre> <xs:simpleType name="DerailmentDetectionDevice"> <xs:annotation> <xs:documentation>Identification of derailment detection device equipped on the wagon. Element is mandatory if wagon is equipped with such device. The following values are defined: EDT 101 MDV 100 Non coded device </xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="EDT 101"/> <xs:enumeration value="MDV 100"/> <xs:enumeration value="Non coded device"/> </xs:restriction> </xs:simpleType> </pre>																			

simpleType EquipmentNumberType

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1															
type	restriction of xs:string															
properties	base xs:string															
used by	elements GoodsInWagon/ContainerNumber ITU Details/Number															
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> <td></td> </tr> <tr> <td>minLength</td> <td>1</td> <td></td> <td></td> </tr> <tr> <td>maxLength</td> <td>13</td> <td></td> <td></td> </tr> </table>				Kind	Value	Annotation		minLength	1			maxLength	13		
Kind	Value	Annotation														
minLength	1															
maxLength	13															
annotation	<p>documentation</p> <p>Number of ITU</p>															
source	<pre> <xs:simpleType name="EquipmentNumberType"> <xs:annotation> <xs:documentation>Number of ITU</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="13"/> </xs:restriction> </xs:simpleType> </pre>															

simpleType **EquipmentTypeType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:token		
properties	base xs:token		
used by	element ITU_Type		
facets	Kind	Value	Annotation
	enumeration	cn	documentation Container
	enumeration	sw	documentation swap body
	enumeration	te	documentation Trailer (RollingRoad)
annotation	documentation Type of equipment		
source	<pre> <xs:simpleType name="EquipmentTypeType"> <xs:annotation> <xs:documentation>Type of equipment</xs:documentation> </xs:annotation> <xs:restriction base="xs:token"> <xs:enumeration value="cn"> <xs:annotation> <xs:documentation>Container</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="sw"> <xs:annotation> <xs:documentation>swap body</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="te"> <xs:annotation> <xs:documentation>Trailer (RollingRoad)</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>		

simpleType **ForwardingRestrictionType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:token		
properties	base xs:token		
facets	Kind	Value	Annotation
	enumeration	07	
	enumeration	08	
	enumeration	09	
	enumeration	11	
	enumeration	12	
	enumeration	13	
	enumeration	15	

	enumeration 16 enumeration 41 enumeration 42 enumeration 61 enumeration 62 enumeration 63 enumeration 70 enumeration 71 enumeration 92 enumeration 94 enumeration
annotation	documentation Code List Candidate: This code is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load
source	<pre> <xs:simpleType name="ForwardingRestrictionType"> <xs:annotation> <xs:documentation>Code List Candidate: This code is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load</xs:documentation> </xs:annotation> <xs:restriction base="xs:token"> <xs:enumeration value="07"/> <xs:enumeration value="08"/> <xs:enumeration value="09"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/> <xs:enumeration value="13"/> <xs:enumeration value="15"/> <xs:enumeration value="16"/> <xs:enumeration value="41"/> <xs:enumeration value="42"/> <xs:enumeration value="61"/> <xs:enumeration value="62"/> <xs:enumeration value="63"/> <xs:enumeration value="70"/> <xs:enumeration value="71"/> <xs:enumeration value="92"/> <xs:enumeration value="94"/> <xs:enumeration value=""/> </xs:restriction> </xs:simpleType></pre>

simpleType FreeText

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	base xs:string
used by	elements AdditionalInstruction Address Comments ContractNumberMovement InterruptionPoint/DetailedDescriptionOfLocation FreeTextField GoodsDescription HandlingInstruction InternalReferenceIdentifier InterruptionDescription LocationSubsidiaryName MessageType/MessagelIdentifier ErrorMessage/ErrorCauseReference/MessageSenderReference Name PrimaryLocationName

	RelatedIdentifier	RelatedSenderReference	Remarks	RouteInformation	SenderReference
	complexType	TransportInstruction	NetworkSpecificParameter/Value		CargoCodeType
facets	Kind	Value	Annotation		
	minLength	1			
	maxLength	255			
annotation	documentation				
	Clear Text in ISO Unicode character set				
source	<pre><xs:simpleType <xs:annotation> <xs:documentation>Clear Text in ISO Unicode character set</xs:documentation> </xs:annotation> <xs:restriction <xs:maxLength <xs:minLength </xs:restriction> </xs:simpleType></pre>				<pre>name="FreeText"> base="xs:string"> value="255"/> value="1"/></pre>

simpleType **Name**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1			
type	restriction of xs:string			
properties	base xs:string			
used by	element VesselName			
facets	Kind	Value	Annotation	
	maxLength	254		
annotation	documentation Name in Free Text			
source	<pre><xs:simpleType <xs:annotation> <xs:documentation>Name in Free Text</xs:documentation> </xs:annotation> <xs:restriction <xs:maxLength </xs:restriction> </xs:simpleType></pre>			
	name="Name" base="xs:string" value="254"/>			

simpleType **NHMCodeType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1				
type	restriction of xs:string				
properties	base xs:string				
used by	elements NHM Code Goods/PreviousLoadedGood				
facets	Kind	Value	Annotation		
	length	6			
	pattern	\d*[1-9]\d*			
annotation	documentation NHM Code				
source	<xs:simpleType name="NHMCodeType"				

	<pre> <xs:annotation> <xs:documentation>NHM </xs:annotation> <xs:restriction> <xs:length <xs:pattern </xs:restriction> </xs:simpleType> </pre>	Code</xs:documentation> base="xs:string"> value="6"/> value="\d*[1-9]\d*"/>
--	--	--

simpleType Numeric1-5

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:positiveInteger		
properties	base xs:positiveInteger		
used by	elements RollingStockDataset/DesignDataSet/BogiePivotPitch RollingStockDataset/DesignDataSet/HeightOfLoadingPlaneUnladen RollingStockDataset/DesignDataSet/InnerWheelbase RollingStockDataset/DesignDataSet/LoadTable/SpeedCategory		
facets	Kind	Value	Annotation
	minInclusive	1	
	maxInclusive	99999	
source	<pre> <xs:simpleType <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </pre>		
	name="Numeric1-5"> base="xs:positiveInteger"> value="1"/> value="99999"/>		

simpleType Numeric1-6

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:int		
properties	base xs:int		
facets	Kind	Value	Annotation
	minInclusive	1	
	maxInclusive	999999	
source	<pre> <xs:simpleType <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </pre>		
	name="Numeric1-6"> base="xs:int"> value="1"/> value="999999"/>		

simpleType Numeric2-2

namespac e	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:integer		
properties	base xs:integer		

used by	element s RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/CounterAcreditedRecognizedBody RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/EINYearMessageRoutingID RollingStockDataset/DesignDataSet/RemovableAccessories/NumberOfAccessorOfSpecType AirBrake/NumberOfBrakes WagonTechData/TechnicalRestrictions RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/TypeDocumentEIN CI_InstanceNumber	
facets	Kind Value Annotation minInclusive 01 maxInclusive 99	
source	<pre><xs:simpleType <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType></pre>	name="Numeric2-2"> base="xs:integer"> value="01"/> value="99"/>

simpleType Numeric3-3

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:integer		
properties	base xs:integer		
used by	elements AirBrake/LoadChangeDevice/AirBrakedMassLoaded AirBrake/LoadChangeDevice/ChangeOverWeight simpleType Speed		
facets	Kind	Value	Annotation
	minInclusive	001	
	maxInclusive	999	
source	<pre><xs:simpleType <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType></pre>		
	name ="Numeric3-3" base ="xs:integer" value ="001"/> value ="999"/>		

simpleType Numeric4-4

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:integer		
properties	base xs:integer		
used by	elements LengthOfSetOfCarriages RollingStockDataset/DesignDataSet/LoadTable/LoadTableProduct/ProductUNCode TrainLength		
facets	Kind	Value	Annotation
	minInclusive	0001	
	maxInclusive	9999	
source	<pre><xs:simpleType <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction></pre>		
	name="Numeric4-4" base="xs:integer" value="0001"/> value="9999"/>		

	</xs:simpleType>
--	------------------

simpleType Percentage

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:float									
properties	base xs:float									
used by	element NetworkProjectedLocation/ProportionOfDistanceBetweenLocations									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>100</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	100	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	100									
annotation	documentation decimal value between 0 and 100									
source	<pre> <xs:simpleType name="Percentage"> <xs:annotation> <xs:documentation>decimal value between 0 and 100</xs:documentation> </xs:annotation> <xs:restriction base="xs:float"> <xs:minInclusive value="0"/> <xs:maxInclusive value="100"/> </xs:restriction> </xs:simpleType> </pre>									

simpleType Speed

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	Numeric3-3									
properties	base Numeric3-3									
used by	elements GNSS DynamicPosition/CurrentSpeed HighestPlannedSpeed PlannedSpeed TrainMaxSpeed									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>001</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	001		maxInclusive	999	
Kind	Value	Annotation								
minInclusive	001									
maxInclusive	999									
annotation	documentation Shown in Km/h									
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 String1-10

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	base xs:string
used by	element LocationSubsidiaryCode

facets	Kind Value Annotation minLength 1 maxLength 10	
source	<xs:simpleType <xs:restriction <xs:minLength <xs:maxLength value="10" </xs:restriction> </xs:simpleType>	name="String1-10" base="xs:string" value="1"/> fixed="false"/>

simpleType String1-14

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
type	restriction of xs:string	
properties	base xs:string	
used by	element CustomerCode/PrimaryCode	
facets	Kind Value Annotation minLength 1 maxLength 14	
source	<xs:simpleType <xs:restriction <xs:minLength <xs:maxLength value="14"/> </xs:restriction> </xs:simpleType>	name="String1-14" base="xs:string" value="1"/> value="14"/>

simpleType String1-5

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
type	restriction of xs:string	
properties	base xs:string	
used by	element DelayMinutes	
facets	Kind Value Annotation minLength 1 maxLength 5	
source	<xs:simpleType <xs:restriction <xs:minLength <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType>	name="String1-5" base="xs:string" value="1"/> value="5"/>

simpleType String1-7

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
type	restriction of xs:string	
properties	base xs:string	

used by	element CustomerCode/AdditionalCode
facets	Kind Value Annotation minLength 1 maxLength 7
source	<pre><xs:simpleType name="String1-7"> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="7"/> </xs:restriction> </xs:simpleType></pre>

simpleType String1-8

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	base xs:string
used by	elements AssociatedAttachedOTN AssociatedAttachedTrainServiceNumber OperationalTrainNumber
facets	Kind Value Annotation minLength 1 maxLength 8
source	<pre><xs:simpleType name="String1-8"> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="8"/> </xs:restriction> </xs:simpleType></pre>

simpleType String4-4

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	base xs:string
used by	simpleType CompanyCode
facets	Kind Value Annotation minLength 4 maxLength 4
source	<pre><xs:simpleType name="String4-4"> <xs:restriction base="xs:string"> <xs:minLength value="4"/> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType></pre>

simpleType String5-5

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string

properties	base xs:string
facets	Kind Value Annotation minLength 5 maxLength 5
source	<pre><xs:simpleType name="String5-5"> <xs:restriction base="xs:string"> <xs:minLength value="5"/> <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType></pre>

simpleType String5-8

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	base xs:string
facets	Kind Value Annotation minLength 5 maxLength 8
source	<pre><xs:simpleType name="String5-8"> <xs:restriction base="xs:string"> <xs:minLength value="5"/> <xs:maxLength value="8"/> </xs:restriction> </xs:simpleType></pre>

simpleType Time

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:time
properties	base xs:time
annotation	documentation Time expressed in HH:MM:SS
source	<pre><xs:simpleType name="Time"> <xs:annotation> <xs:documentation>Time expressed in HH:MM:SS</xs:documentation> </xs:annotation> <xs:restriction base="xs:time"/> </xs:simpleType></pre>

simpleType VolumeValue

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	xs:float
properties	base xs:float
used by	elements DangerousGoodsVolume DanGoodsType/DangerousGoodsVolume Volume
annotation	documentation

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

simpleType WagonIdent

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:string									
properties	base xs:string									
used by	elements WIMO Dataset/ConsignmentLevelData/PreviousWagonNumber RollingStockDataset/AdministrativeDataSet/PreviousWagonNumberFreight WagonNumberFreight									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>maxLength</td> <td>12</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9]{12}</td> <td></td> </tr> </table>	Kind	Value	Annotation	maxLength	12		pattern	[0-9]{12}	
Kind	Value	Annotation								
maxLength	12									
pattern	[0-9]{12}									
annotation	<p>documentation</p> <p>Identification code of a freight wagon based on the TSI OPE and CEN Recommendations and CIS wagons coded according to OSJD-UIC leaflet 402, which allows the conversion from 8 digits to 12 digits and viceversa.</p>									
source	<pre><xs:simpleType name="WagonIdent"> <xs:annotation> <xs:documentation>Identification code of a freight wagon based on the TSI OPE and CEN Recommendations and CIS wagons coded according to OSJD-UIC leaflet 402, which allows the conversion from 8 digits to 12 digits and viceversa.</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:maxLength value="12"/> <xs:pattern value="[0-9]{12}"/> </xs:restriction> </xs:simpleType></pre>									

simpleType WeightValueKilo

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	restriction of xs:integer												
properties	base xs:integer												
used by	elements DangerousGoodsWeight GrossWeight MaxGrossWeight ITU Details/TareWeight RollingRoadUnit/RollingRoadUnitDetails/TareWeightVehicle TotalLoadWeight TotalWeight LoadingTackles/TotalWeightLoadingTackles WagonWeightEmpty												
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minInclusive</td> <td>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>999999</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>collapse</td> <td></td> </tr> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	999999		whiteSpace	collapse	
Kind	Value	Annotation											
minInclusive	0												
maxInclusive	999999												
whiteSpace	collapse												
annotation	<p>documentation</p> <p>In Kilograms</p>												
source	<pre><xs:simpleType name="WeightValueKilo"> <xs:annotation> <xs:documentation>In Kilograms</xs:documentation> </xs:annotation> </xs:simpleType></pre>												

	<pre> </xs:annotation> <xs:restriction <xs:minInclusive <xs:maxInclusive <xs:whiteSpace </xs:restriction> </xs:simpleType></pre>	<pre> base="xs:integer"> value="0"/> value="999999"/> value="collapse"/></pre>
--	--	--

simpleType WeightValueTonne

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
type	restriction of xs:int	
properties	base xs:int	
used by	elements TractionWeight TrainWeight WeightOfSetOfCarriages	
facets	Kind	Value Annotation
	minInclusive	1
	maxInclusive	99999
annotation	documentation In Tonnes	
source	<pre> <xs:simpleType <xs:annotation> <xs:documentation>In </xs:annotation> <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType></pre>	<pre> name="WeightValueTonne"> Tonnes</xs:documentation> base="xs:int"> value="1"/> value="99999"/></pre>

attribute CI_InstanceNumber

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
type	Numeric2-2	
used by	elements Recipient Sender	
facets	Kind	Value Annotation
	minInclusive	01
	maxInclusive	99
annotation	documentation Number of a Common Interface Instance for the same Company	
source	<pre> <xs:attribute name="CI_InstanceNumber" type="Numeric2-2"> <xs:annotation> <xs:documentation>Number of a Common Interface Instance for the same Company</xs:documentation> </xs:annotation> </xs:attribute></pre>	

3. Schema taf_cat_codelists.xsd

schema location: [C:\Users\jugelst\OneDrive - European Union Agency for Railways \(ERA\)\Documents\Projects\TAF-TSI\taf_cat_codelists.xsd](C:\Users\jugelst\OneDrive - European Union Agency for Railways (ERA)\Documents\Projects\TAF-TSI\taf_cat_codelists.xsd)

attributeFormDefault: **unqualified**

elementFormDefault: **qualified**

targetNamespace: <http://www.era.europa.eu/schemes/TAFTSI/3.1>

Elements

[AirBrakeType](#)
[BrakeSpecialCharacteristics](#)
[BrakeType](#)
[BrakingPowerVariationDevice](#)
[CombinedTrafficLoadProfile](#)
[ConsignmentOrderType](#)
[CouplingType](#)
[DangerLabel](#)
[HandBrakeType](#)
[InfoOnGoodsShapeTypeDanger](#)
[InteropCapability](#)
[JourneyLocationTypeCode](#)
[LivestockOrPeopleIndicator](#)
[LoadTableStars](#)
[MessageStatus](#)
[MRN Type](#)
[NormalLoadingGauge](#)
[PackingGroup](#)
[ProcessType](#)
[ReasonOfReference](#)
[RefusalCode](#)
[RouteClass](#)
[TractionMode](#)
[TractionType](#)
[TrainRadioSystem](#)
[TrainType](#)
[TypeOfRemovableAccessories](#)
[TypeOfUsedHybridPowerunit](#)
[WheelSetTransformationMethod](#)

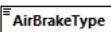
Simple types

[ConsignmentTypeCode](#)
[DelayCode](#)
[InfoIndex](#)
[MessageCode](#)
[RestrictionCodes](#)
[RunningStatus](#)
[TrainCC SystemCode](#)
[TypeOfIMHarmonizationCode](#)
[TypeOfInformationCode](#)
[TypeOfRequestCode](#)
[TypeOfRUHarmonizationCode](#)
[UnitType](#)

Attributes

[LocationSubsidiaryTypeCode](#)
[TimingQualifierCode](#)

element AirBrakeType

diagram	 AirBrakeType Classification of air brake. additional code: 8 No air brake or brake pipe The code is defined in UIC Leaflet 920-13.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

type	restriction of xs:token																					
properties	content simple																					
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>0</td> <td></td> </tr> <tr> <td>enumeration</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>8</td> <td></td> </tr> <tr> <td>enumeration</td> <td>9</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	0		enumeration	1		enumeration	2		enumeration	3		enumeration	8		enumeration	9	
Kind	Value	Annotation																				
enumeration	0																					
enumeration	1																					
enumeration	2																					
enumeration	3																					
enumeration	8																					
enumeration	9																					
annotation	<p>documentation Classification of air brake. additional code: 8 No air brake or brake pipe The code is defined in UIC Leaflet 920-13.</p>																					
source	<pre> <xs:element name="AirBrakeType"> <xs:annotation> <xs:documentation>Classification of air brake. additional code: 8 No air brake or brake pipeThe code is defined in UIC Leaflet 920-13. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="8"/> <xs:enumeration value="9"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>																					

element **BrakeSpecialCharacteristics**

diagram	<p>General brake characteristics. The values refer to UIC leaflet 920-13: 0 = Cast Iron Brake Blocks 1 = Disc Brake 2 = K-Brake Blocks 3 = Cast Iron Brake Blocks, single release brake 4 = Composite Brake Blocks, single release brake 5 = L-Brake Blocks 6 = LL-Brake Blocks 9 = Unknown or non-coded information</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:token									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>0</td> <td>documentation Cast Iron Brake Blocks</td> </tr> <tr> <td>enumeration</td> <td>1</td> <td>documentation Disc Brake</td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	0	documentation Cast Iron Brake Blocks	enumeration	1	documentation Disc Brake
Kind	Value	Annotation								
enumeration	0	documentation Cast Iron Brake Blocks								
enumeration	1	documentation Disc Brake								

	enumeration 2 documentation K-Brake Blocks enumeration 3 documentation Cast Iron Brake Blocks, single release brake enumeration 4 documentation Composite Brake Blocks, single release brake enumeration 5 documentation L-Brake Blocks enumeration 6 documentation LL-Brake Blocks enumeration 9 documentation Unknown or non-coded information
annotation	documentation General brake characteristics. The values refer to UIC leaflet 920-13: 0 = Cast Iron Brake Blocks 1 = Disc Brake 2 = K-Brake Blocks 3 = Cast Iron Brake Blocks, single release brake 4 = Composite Brake Blocks, single release brake 5 = L-Brake Blocks 6 = LL-Brake Blocks 9 = Unknown or non-coded information
source	<pre> <xs:element name="BrakeSpecialCharacteristics"> <xs:annotation> <xs:documentation> General brake characteristics. The values refer to UIC leaflet 920-13: 0 = Cast Iron Brake Blocks 1 = Disc Brake 2 = K-Brake Blocks 3 = Cast Iron Brake Blocks, single release brake 4 = Composite Brake Blocks, single release brake 5 = L-Brake Blocks 6 = LL-Brake Blocks 9 = Unknown or non-coded information </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>Cast Iron Brake Blocks</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Disc Brake</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>K-Brake Blocks</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Cast Iron Brake Blocks, single release brake</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>

	<pre></xs:annotation> </xs:enumeration> <xs:enumeration value="4"> <xs:annotation> <xs:documentation>Composite Brake Blocks, single release brake</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>L-Brake Blocks</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="6"> <xs:annotation> <xs:documentation>LL-Brake Blocks</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9"> <xs:annotation> <xs:documentation>Unknown or non-coded information</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element></pre>
--	---

element **BrakeType**

diagram	 <p>Type of braking system. Supported brake types: 0 = G: "Goods" for freight services with slow application and release times 1 = P: "Passenger" for passenger and freight services with quick application and release times. 2 = X: an indication that brake system of the freight wagon out of order (actually / current). Additionally, X cannot be used in Planning. 3 = R: a subdivision brake position of brake mode "P", for rapid (express) services with high brake performances 4 = G+E: brake position G with additional brake=electro-dynamic brake 5 = G+H: brake position G with additional brake=hydro-dynamic brake 6 = P+E: brake position P with additional brake=electro-dynamic brake 7 = P+H: brake position P with additional brake=hydro-dynamic brake 8 = P+Mg: brake position P with additional brake=magnetic track brake 9 = R+E: brake position R with additional brake=electro-dynamic brake 10 = R+H: brake position R with additional brake=hydro-dynamic brake 11 = R+Mg: brake position R with additional brake=magnetic track brake 12 = R+WB: brake position R with additional brake=eddy current brake (German: Wirbelstrombremse) 13 = R+E+Mg: brake position R with additional brake=electro-dynamic brake and magnetic track brake 14 = R+E+WB: brake position R with additional brake=electro-dynamic brake and eddy current brake</p>																																																
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																																																
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properties	content simple																																																
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>0</td><td></td></tr> <tr><td>enumeration</td><td>1</td><td></td></tr> <tr><td>enumeration</td><td>2</td><td></td></tr> <tr><td>enumeration</td><td>3</td><td></td></tr> <tr><td>enumeration</td><td>4</td><td></td></tr> <tr><td>enumeration</td><td>5</td><td></td></tr> <tr><td>enumeration</td><td>6</td><td></td></tr> <tr><td>enumeration</td><td>7</td><td></td></tr> <tr><td>enumeration</td><td>8</td><td></td></tr> <tr><td>enumeration</td><td>9</td><td></td></tr> <tr><td>enumeration</td><td>10</td><td></td></tr> <tr><td>enumeration</td><td>11</td><td></td></tr> <tr><td>enumeration</td><td>12</td><td></td></tr> <tr><td>enumeration</td><td>13</td><td></td></tr> <tr><td>enumeration</td><td>14</td><td></td></tr> </tbody> </table>	Kind	Value	Annotation	enumeration	0		enumeration	1		enumeration	2		enumeration	3		enumeration	4		enumeration	5		enumeration	6		enumeration	7		enumeration	8		enumeration	9		enumeration	10		enumeration	11		enumeration	12		enumeration	13		enumeration	14	
Kind	Value	Annotation																																															
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annotation	<p>documentation</p> <p>Type of braking system. Supported brake types:</p> <p>0 = G: "Goods" for freight services with slow application and release times</p> <p>1 = P: "Passenger" for passenger and freight services with quick application and release times.</p> <p>2 = X: an indication that brake system of the freight wagon out of order (actually / current). Additionally, X cannot be used in Planning.</p> <p>3 = R: a subdivision brake position of brake mode "P", for rapid (express) services with high brake performances</p> <p>4 = G+E: brake position G with additional brake=electro-dynamic</p> <p>5 = G+H: brake position G with additional brake=hydro-dynamic</p> <p>6 = P+E: brake position P with additional brake=electro-dynamic</p> <p>7 = P+H: brake position P with additional brake=hydro-dynamic</p> <p>8 = P+Mg: brake position P with additional brake=magnetic track</p> <p>9 = R+E: brake position R with additional brake=electro-dynamic</p> <p>10 = R+H: brake position R with additional brake=hydro-dynamic</p> <p>11 = R+Mg: brake position R with additional brake=magnetic track</p> <p>12 = R+WB: brake position R with additional brake=eddy current brake (German: Wirbelstrombremse)</p> <p>13 = R+E+Mg: brake position R with additional brake=electro-dynamic brake and magnetic track brake</p> <p>14 = R+E+WB: brake position R with additional brake=electro-dynamic brake and eddy current brake</p>
source	<pre> <xs:element name="BrakeType"> <xs:annotation> <xs:documentation>Type of braking system. Supported brake types: 0 = G: "Goods" for freight services with slow application and release 1 = P: "Passenger" for passenger and freight services with quick application 2 = X: an indication that brake system of the freight wagon out of order (actually / current). Additionally, X cannot be used in Planning. 3 = R: a subdivision brake position of brake mode "P", for rapid (express) 4 = G+E: brake position G with additional brake=electro-dynamic 5 = G+H: brake position G with additional brake=hydro-dynamic 6 = P+E: brake position P with additional brake=electro-dynamic 7 = P+H: brake position P with additional brake=hydro-dynamic 8 = P+Mg: brake position P with additional brake=magnetic track 9 = R+E: brake position R with additional brake=electro-dynamic 10 = R+H: brake position R with additional brake=hydro-dynamic 11 = R+Mg: brake position R with additional brake=magnetic track 12 = R+WB: brake position R with additional brake=eddy current (German: 13 = R+E+Mg: brake position R with additional brake=electro- brake 14 = R+E+WB: brake position R with additional brake=electro- brake </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </pre>

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

element BrakingPowerVariationDevice

diagram	 BrakingPowerVariationDevice <small>Coding in 404-2, chapter 1.8</small>																		
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																		
type	restriction of xs:integer																		
properties	content simple																		
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>enumeration</td> <td>0</td> <td>documentation no braked weight variation device</td> </tr> <tr> <td>enumeration</td> <td>1</td> <td>documentation empty/loaded manual or automatic device with one changeover weight</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>documentation empty/loaded manual or automatic device with two or three changeover weights</td> </tr> <tr> <td>enumeration</td> <td>8</td> <td>documentation linear auto continuous device with indication of maximum braked weight</td> </tr> <tr> <td>enumeration</td> <td>9</td> <td>documentation non-codable variation device</td> </tr> </table>	Kind	Value	Annotation	enumeration	0	documentation no braked weight variation device	enumeration	1	documentation empty/loaded manual or automatic device with one changeover weight	enumeration	2	documentation empty/loaded manual or automatic device with two or three changeover weights	enumeration	8	documentation linear auto continuous device with indication of maximum braked weight	enumeration	9	documentation non-codable variation device
Kind	Value	Annotation																	
enumeration	0	documentation no braked weight variation device																	
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enumeration	9	documentation non-codable variation device																	
annotation	<p>documentation <small>Coding in 404-2, chapter 1.8</small> </p>																		
source	<pre> <xs:element name="BrakingPowerVariationDevice"> <xs:annotation> <xs:documentation>Coding in 404-2, chapter 1.8</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>no braked weight variation device</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>empty/loaded manual or automatic device with one changeover weight</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>																		

	<pre> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>empty/loaded manual or automatic device with two weights</xs:documentation> or three changeover </xs:annotation> </xs:enumeration> <xs:enumeration value="8"> <xs:annotation> <xs:documentation>linear auto continuous device with indication of maximum braked weight</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="9"> <xs:annotation> <xs:documentation>non-codable variation device</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	---

element **CombinedTrafficLoadProfile**

diagram	<p>This element does refer to combined load units that can be used for Freight Requests only.</p> <p>There are two entry options:</p> <ul style="list-style-type: none"> • One option refers to "P" (Semi-trailer/road semi-trailer): P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm. P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm. • The other option refers to "C" (Swap body): C1 requires the code in case the gauge of the swap body is less or equal 2550 mm. C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm. <p>The RUs may indicate the relevant values if they are familiar with the IMs line profiles. In case there is a path request for a train with combined traffic load, the IM should indicate the possible max. value for all 4 elements (P1, P2, C1, C2). Further information about Combined Traffic Load Profile can be seen in the UIC 596-6 Leaflet.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	P1 P2 C1 C2
annotation	<p>documentation</p> <p>This element does refer to combined load units that can be used for Freight Requests only.</p> <p>There are two entry options:</p> <ul style="list-style-type: none"> • One option refers to "P" (Semi-trailer/road semi-trailer): P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm. P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm. • The other option refers to "C" (Swap body): C1 requires the code in case the gauge of the swap body is less or equal 2550 mm. C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm.

	<ul style="list-style-type: none"> The RUs may indicate the relevant values if they are familiar with the IMs line profiles. In case there is a path request for a train with combined traffic load, the IM should indicate the possible max. value for all 4 elements (P1, P2, C1, C2). Further information about Combined Traffic Load Profile can be seen in the UIC 596-6 Leaflet.
source	<pre> <xs:element name="CombinedTrafficLoadProfile"> <xs:annotation> <xs:documentation>This element does refer to combined load units that can be used for Freight Requests only. There are two entry options: • One option refers to "P" (Semi-trailer/road semi-trailer): P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm. P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm • The other option refers to "C" (Swap body): C1 requires the code in case the gauge of the swap body is less or equal 2550 mm. C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm . The RUs may indicate the relevant values if they are familiar with the IMs line profiles. In case there is a path request for a train with combined traffic load, the IM should indicate the possible max. value for all 4 elements (P1, P2, C1, C2). Further information about Combined Traffic Load Profile can be seen in the UIC 596-6 Leaflet. </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="P1" minOccurs="0"> <xs:annotation> <xs:documentation>P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:pattern value="\d{3}"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="P2" minOccurs="0"> <xs:annotation> <xs:documentation>P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:pattern value="\d{3}"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="C1" minOccurs="0"> <xs:annotation> <xs:documentation>C1 requires the code in case the gauge of the swap body is less or equal 2550 mm.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="C2" minOccurs="0"> <xs:annotation> <xs:documentation>C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:restriction <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="C2" minOccurs="0"> <xs:annotation> <xs:documentation>C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>	<pre> base="xs:string"> value="\d{3}"/> </pre>
--	--	--

element **CombinedTrafficLoadProfile/P1**

diagram		P1 P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	
type	restriction of xs:string	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind Value Annotation pattern \d{3}	
annotation	documentation P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm.	
source	<pre> <xs:element name="P1" minOccurs="0"> <xs:annotation> <xs:documentation>P1 requires the code in case the gauge of the semi- trailer is less or equal 2500 mm.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:string"> value="\d{3}"/> </pre>

element **CombinedTrafficLoadProfile/P2**

diagram		P2 P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1	

type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern \d{3}
annotation	documentation P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm
source	<pre> <xs:element name="P2" minOccurs="0"> <xs:annotation> <xs:documentation>P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:pattern value="\d{3}"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **CombinedTrafficLoadProfile/C1**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern \d{3}
source	<pre> <xs:element name="C1" minOccurs="0"> <xs:simpleType> <xs:annotation> <xs:documentation>C1 requires the code in case the gauge of the swap body is less or equal 2550 mm.</xs:documentation> </xs:annotation> <xs:restriction> <xs:pattern value="\d{3}"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **CombinedTrafficLoadProfile/C2**

diagram	 <small>C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm</small>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	minOcc 0 maxOcc 1

	content simple	
facets	Kind Value Annotation pattern \d{3}	
annotation	documentation C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm	
source	<pre> <xs:element name="C2" minOccurs="0"> <xs:annotation> <xs:documentation>C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:pattern value="\d{3}"/> </xs:restriction> </xs:simpleType> </xs:element></pre>	<pre> minOccurs="0"> base="xs:string"> value="\d{3}"/></pre>

element ConsignmentOrderType

diagram	<p>Preliminary list of messages, by now restricted on different types of consignment orders. CIM: none. ORU: original consignment order message from origin location ORX: update for consignment order from origin location ORD: deletion for consignment order from origin location TRU : original transit consignment order TRX: update for transit consignment order TRD: deletion of transit consignment order DRU : original consignment order to destination location DRX: update for consignment order to destination location DRD: deletion of consignment order to destination location</p> <p>...</p>																														
namespace	http://www.era.europa.eu/schemas/TAFTSI/3.1																														
type	restriction of xs:token																														
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	ORU: original consignment order message from origin location ORX: update for consignment order from origin location ORD: deletion for consignment order from origin location TRU : original transit consignment order to destination location TRX: update for transit consignment order to destination location TRD: deletion of consignment order to destination location
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element **CouplingType**

diagram	 <p>Classification of coupling: 0 = without coupler 1 = non-reinforced coupler less than 85t 2 = reinforced coupler equals to 85t 3 = ultra-reinforced coupler greater than 85t 4 = automatic coupling ...</p>																		
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																		
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Kind	Value	Annotation																	
enumeration	0																		
enumeration	1																		
enumeration	2																		
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element **DangerLabel**

diagram	<p>All Danger Label of this dangerous good according to the RID chapter 3.2, table A, column 5, excepting the shunting labels Model 13 and 15 (CODE: OTIF RID-Specification).</p> <ul style="list-style-type: none"> 1 Explosive materials, divisions 1.1, 1.2 and 1.3 1.4 Explosive materials, division 1.4 1.5 Explosive materials, division 1.5 1.6 Explosive materials, division 1.6 2.1 Flammable gases 2.2 Non-flammable, non-toxic gases 2.3 Toxic gases 3 Flammable liquids 4.1 Flammable solids, self-reactive substances and solid desensitized explosives 4.2 Substances liable to spontaneous combustion 4.3 Substances which, in contact with water, emit flammable gases 5.1 Oxidizing substances 5.2 Organic peroxides 6.1 Toxic substances 6.2 Infectious substances 7A Radioactive material, category I 7B Radioactive material, category II 7C Radioactive material, category III 7D (obsolete) should be used for general information about class 7 7E Fissile radioactive material 8 Corrosive substances 9 Miscellaneous dangerous substances and articles <p>...</p>												
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Kind	Value	Annotation											
enumeration	1												
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	enumeration 1.6 enumeration 2.1 enumeration 2.2 enumeration 2.3 enumeration 3 enumeration 4.1 enumeration 4.2 enumeration 4.3 enumeration 5.1 enumeration 5.2 enumeration 6.1 enumeration 6.2 enumeration 7A enumeration 7B enumeration 7C enumeration 7D enumeration 7E enumeration 8 enumeration 9																																																																																																																																																																																
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	<p>2.2 Non-flammable, non-toxic gases</p> <p>2.3 Toxic gases</p> <p>3 Flammable liquids</p> <p>4.1 Flammable solids , self-reactive substances and solid desensitized explosives</p> <p>4.2 Substances liable to spontaneous combustion</p> <p>4.3 Substances which, in contact with water, emit flammable gases</p> <p>5.1 Oxidizing substances</p> <p>5.2 Organic peroxides</p> <p>6.1 Toxic substances</p> <p>6.2 Infectious substances</p> <p>7A Radioactive material, category I</p> <p>7B Radioactive material, category II</p> <p>7C Radioactive material, category III</p> <p>7D (obsolete) should be used for general information about class 7</p> <p>7E Fissile radioactive material</p> <p>8 Corrosive substances</p> <p>9 Miscellaneous dangerous substances and articles</p>
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element **HandBrakeType**

diagram	<pre> graph TD HandBrakeType[HandBrakeType] HandBrakeType --> Classification[Classification of hand brake] Classification --> NoBrake[0 No hand brake] Classification --> GroundOperated[1 Ground-operated hand brake] Classification --> PlatformOperated[2 Platform-operated hand brake] Classification -.-> Ellipsis[...] </pre>
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namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																	
type	restriction of xs:token																	
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Kind	Value	Annotation																
enumeration	0																	
enumeration	1																	
enumeration	2																	
annotation	<p>documentation</p> <p>Classification of hand brake:</p> <table> <tbody> <tr> <td>0</td> <td>No</td> <td>hand</td> <td>brake</td> <td></td> </tr> <tr> <td>1</td> <td>Ground-operated</td> <td>hand</td> <td>brake</td> <td></td> </tr> <tr> <td>2</td> <td>Platform-operated</td> <td>hand</td> <td>brake</td> <td></td> </tr> </tbody> </table>			0	No	hand	brake		1	Ground-operated	hand	brake		2	Platform-operated	hand	brake	
0	No	hand	brake															
1	Ground-operated	hand	brake															
2	Platform-operated	hand	brake															
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element **InfoOnGoodsShapeTypeDanger**

diagram	<p>InfoOnGoodsShapeTypeDanger</p> <p>Additional codified information on the load. Coding Structures as defined in 404-2 chapter 4.1</p> <p>Codes to add are given in the table below:</p> <table> <tbody> <tr><td>96</td><td>Environmentally hazardous substance (RID 5.2.1.8)</td></tr> <tr><td>97</td><td>More than 8 tons of dangerous goods packaged in limited quantities (LQ)</td></tr> </tbody> </table> <p>The following documentation serves for the existing codes:</p> <table> <tbody> <tr><td>1</td><td>Container</td></tr> <tr><td>2</td><td>Other intermodal traffic</td></tr> <tr><td>3</td><td>Rolling road (RR)</td></tr> <tr><td>6</td><td>Semi-Trailer on bogies</td></tr> <tr><td>10</td><td>1 - danger of explosion (subclass 1.1, 1.2, 1.3)</td></tr> <tr><td>14</td><td>1.4 - danger of explosion (subclass 1.4)</td></tr> <tr><td>15</td><td>1.5 - danger of explosion (subclass 1.5)</td></tr> <tr><td>16</td><td>1.6 - danger of explosion (subclass 1.6)</td></tr> <tr><td>21</td><td>2.1 - inflammable gases</td></tr> <tr><td>22</td><td>2.2 - non inflammable,non-toxic gases</td></tr> <tr><td>23</td><td>2.3 - toxic gases</td></tr> <tr><td>30</td><td>3 - fire hazard (inflammable liquids)</td></tr> <tr><td>41</td><td>4.1 - fire hazard (inflammable solids)</td></tr> <tr><td>42</td><td>4.2 - spontaneously inflammable</td></tr> <tr><td>43</td><td>4.3 - gives off inflammable gas on contact with water</td></tr> <tr><td>51</td><td>5.1 - combustible substance</td></tr> <tr><td>52</td><td>5.2 - organic peroxide</td></tr> <tr><td>61</td><td>6.1 - toxic substance</td></tr> <tr><td>62</td><td>6.2 - infectious substance</td></tr> <tr><td>71</td><td>7A - radioactive substance in category I packing WHITE</td></tr> <tr><td>72</td><td>7B - radioactive substance in category II packing YELLOW</td></tr> <tr><td>73</td><td>7C - radioactive substance in category III packing YELLOW</td></tr> <tr><td>74</td><td>7D - Common label for radioactive substances included under 7A, 7B + 7C</td></tr> <tr><td>75</td><td>7E - fissile substance</td></tr> <tr><td>80</td><td>8 - corrosive substance</td></tr> <tr><td>90</td><td>Various dangerous substance and objects not covered by the other classes</td></tr> <tr><td>98</td><td>Livestock</td></tr> <tr><td>99</td><td>Perishables</td></tr> </tbody> </table>	96	Environmentally hazardous substance (RID 5.2.1.8)	97	More than 8 tons of dangerous goods packaged in limited quantities (LQ)	1	Container	2	Other intermodal traffic	3	Rolling road (RR)	6	Semi-Trailer on bogies	10	1 - danger of explosion (subclass 1.1, 1.2, 1.3)	14	1.4 - danger of explosion (subclass 1.4)	15	1.5 - danger of explosion (subclass 1.5)	16	1.6 - danger of explosion (subclass 1.6)	21	2.1 - inflammable gases	22	2.2 - non inflammable,non-toxic gases	23	2.3 - toxic gases	30	3 - fire hazard (inflammable liquids)	41	4.1 - fire hazard (inflammable solids)	42	4.2 - spontaneously inflammable	43	4.3 - gives off inflammable gas on contact with water	51	5.1 - combustible substance	52	5.2 - organic peroxide	61	6.1 - toxic substance	62	6.2 - infectious substance	71	7A - radioactive substance in category I packing WHITE	72	7B - radioactive substance in category II packing YELLOW	73	7C - radioactive substance in category III packing YELLOW	74	7D - Common label for radioactive substances included under 7A, 7B + 7C	75	7E - fissile substance	80	8 - corrosive substance	90	Various dangerous substance and objects not covered by the other classes	98	Livestock	99	Perishables
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	1	Container				
	2	Other	intermodal		traffic	
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	10	1 - danger of explosion	(subclass	1.1,	1.2,	1.3)
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	41	4.1 - fire hazard	(inflammable		solids)	
	42	4.2 - spontaneously		inflammable		
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	51	5.1 -	organic		peroxide	
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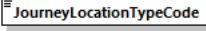
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element **InteropCapability**

diagram	<p>Identification of the general interoperability capability of the wagon. 1 = National 2 = Bi-/Multilateral (with agreement or authorisation grid) 3 = RIV 5 = TEN 6 = TEN-GE 7 = TEN-CW 8 = TEN RIV</p>																											
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	<pre> 2 = Bi-/Multilateral (with agreement or authorisation grid) 3 = 5 = 6 = 7 = 8 = 9 = </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:totalDigits <xs:enumeration <xs:annotation> <xs:documentation>National</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Bi-/Multilateral (with agreement or authorisation grid)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>RIV</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>TEN</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>TEN-GE</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>TEN-CW</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>TEN </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element></pre>
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element **JourneyLocationTypeCode**

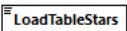
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element **LivestockOrPeopleIndicator**

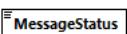
diagram	<p>Indicates that livestock and people (other than train crew) will be carried. Coding: if live animals or people are transported = 1, in opposite case = 0. If code = 1, then at the wagon level for at least one wagon Info- Goods Shape, Type and Danger has to include the code '98' or Restrictions due to Load or Damage has to include code '09.'</p>									
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element **LoadTableStars**

diagram																
	<p>Number of load table stars.</p> <p>1 = Authorised to run in trains up to 100 km/h with a brake that does not meet all the requirements for S (100 km/h) conditions.</p> <p>2 = Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions.</p> <p>3 = Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. The wagons must be fitted with an automatic load-proportional braking system.</p>															
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1															
type	restriction of xs:integer															
properties	content simple															
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>totalDigits</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>1</td> <td>documentation Authorised to run in trains up to 100 km/h with a brake that does not meet all the requirements for S (100 km/h) conditions.</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>documentation Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions.</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>documentation Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. The wagons must be fitted with an automatic load-proportional braking system.</td> </tr> </tbody> </table>	Kind	Value	Annotation	totalDigits	1		enumeration	1	documentation Authorised to run in trains up to 100 km/h with a brake that does not meet all the requirements for S (100 km/h) conditions.	enumeration	2	documentation Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions.	enumeration	3	documentation Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. The wagons must be fitted with an automatic load-proportional braking system.
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source	<pre> <xs:element name="LoadTableStars"> <xs:annotation> <xs:documentation> Number of load table stars. 1 = Authorised to run in trains up to 100 km/h with a brake that does not meet all the requirements for S (100 km/h) conditions. 2 = Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. 3 = Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. The wagons must be fitted with an automatic load-proportional braking system. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:totalDigits value="1"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>															

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element **MessageStatus**

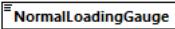
diagram	 MessageStatus Assigned by the Sender 1=creation, 2=modification, 3=deletion												
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	restriction of xs:token												
properties	content simple												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>3</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	1		enumeration	2		enumeration	3	
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element **MRN_Type**

diagram	
	Type of MRN given, CODE: CIT GLV-CIM appendix 2: MRN-E if an EXPORT declaration has been lodged MRN-T if a TRANSIT declaration has been lodged MRN-TS if a TRANSIT declaration with SECURITY data has been lodged MRN-EXS if the EXIT SUMMARY declaration has been made separately by the consignor MRN-ENS if the ENTRY SUMMARY declaration has been made separately by the consignor ...
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:token
properties	content simple
facets	Kind Value Annotation enumeration MRN-E documentation if an EXPORT declaration has been lodged enumeration MRN-T documentation if a TRANSIT declaration has been lodged enumeration MRN-TS documentation if a TRANSIT declaration with SECURITY data has been lodged enumeration MRN-EXS documentation if the EXIT SUMMARY declaration has been made separately by the consignor enumeration MRN-ENS documentation if the ENTRY SUMMARY declaration has been made separately by the consignor
annotation	documentation Type of MRN given, CODE: CIT GLV-CIM appendix 2: MRN-E if an EXPORT declaration has been lodged MRN-T if a TRANSIT declaration has been lodged MRN-TS if a TRANSIT declaration with SECURITY data has been lodged MRN-EXS if the EXIT SUMMARY declaration has been made separately by the consignor MRN-ENS if the ENTRY SUMMARY declaration has been made separately by the consignor
source	<pre> <xs:element name="MRN_Type"> <xs:annotation> <xs:documentation>Type of MRN given, CODE: CIT GLV-CIM appendix 2: MRN-E if an EXPORT declaration has been lodged MRN-T if a TRANSIT declaration has been lodged MRN-TS if a TRANSIT declaration with SECURITY data has been lodged MRN-EXS if the EXIT SUMMARY declaration has been made separately by the consignor MRN-ENS if the ENTRY SUMMARY declaration has been made separately by the consignor </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration base="xs:token" value="MRN-E"> <xs:annotation> <xs:documentation>if an EXPORT declaration has been lodged</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>

	<pre> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>if a TRANSIT declaration has been lodged</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>if a TRANSIT declaration with SECURITY data has been lodged</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>if the EXIT SUMMARY declaration has been made separately by the consignor</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>if the ENTRY SUMMARY declaration has been made separately by the consignor</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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element **NormalLoadingGauge**

diagram	 <p>All codes are defined in the UIC leaflet 505-1 and 503, as well as in the EN 15273-2:2013. For details please refer to EN 15273-2:2013 (Railway applications - Gauges - Part 2: Rolling stock gauge). For the existing gauges in the list, the Annex B.3 should be used....</p>																																	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																																	
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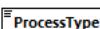
	enumeration SEa
annotation	<p>documentation</p> <p>All codes are defined in the UIC leaflet 505-1 and 503, as well as in the EN 15273-2:2013. For details please refer to EN 15273-2:2013 (Railway applications - Gauges - Part 2: Rolling stock gauge). For the existing gauges in the list, the Annex B.3 should be used.</p>
source	<pre> <xs:element name="NormalLoadingGauge"> <xs:annotation> <xs:documentation> All codes are defined in the UIC leaflet 505-1 and 503, as well as in the EN 15273-2:2013. For details please refer to EN 15273-2:2013 (Railway applications - Gauges - Part 2: Rolling stock gauge). For the existing gauges in the list, the Annex B.3 should be used. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="G1"/> <xs:enumeration value="G2"/> <xs:enumeration value="GA"/> <xs:enumeration value="GB"/> <xs:enumeration value="GC"/> <xs:enumeration value="GB1"/> <xs:enumeration value="GB2"/> <xs:enumeration value="GB-M6"/> <xs:enumeration value="GHE16"/> <xs:enumeration value="W6-A"/> <xs:enumeration value="SEa"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **PackingGroup**

diagram	 <p>The Packing Group according to the RID chapter 3.2, table A, column 4. Possible values are "I", "II" or "III", otherwise the Packing Group have to be omitted. Mandatory, if it's foreseen in column 4, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE &lt;=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING". I High danger II Medium danger III Low danger</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:token									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>I</td> <td></td> </tr> <tr> <td>enumeration</td> <td>II</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	I		enumeration	II	
Kind	Value	Annotation								
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element **ProcessType**

diagram	 <p>Process type to further distinguish among type of requests. Possible process types:</p> <ul style="list-style-type: none"> 0 = New Path Request and allocation process for annual timetable 1 = Late Path Request and allocation process for annual timetable 2 = Short-term path request and allocation process 3 = Rolling Planning path request and allocation process 4 = Feasibility Study process 5 = Path Modification process (triggered by applicant) 6 = Path Alteration process (triggered by IM) 7 = Pre-arranged Path published by RFC 8 = Catalogue Path published by IM
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:token

properties	content simple																														
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>0</td><td></td></tr> <tr><td>enumeration</td><td>1</td><td></td></tr> <tr><td>enumeration</td><td>2</td><td></td></tr> <tr><td>enumeration</td><td>3</td><td></td></tr> <tr><td>enumeration</td><td>4</td><td></td></tr> <tr><td>enumeration</td><td>5</td><td></td></tr> <tr><td>enumeration</td><td>6</td><td></td></tr> <tr><td>enumeration</td><td>7</td><td></td></tr> <tr><td>enumeration</td><td>8</td><td></td></tr> </tbody> </table>	Kind	Value	Annotation	enumeration	0		enumeration	1		enumeration	2		enumeration	3		enumeration	4		enumeration	5		enumeration	6		enumeration	7		enumeration	8	
Kind	Value	Annotation																													
enumeration	0																														
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element **ReasonOfReference**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:string		
properties	content simple		
facets	Kind	Value	Annotation
	minLength	4	
	maxLength	4	
	enumeration	1000	documentation Same path offer is desired as for stated PathRequestMessage
	enumeration	1001	documentation Same path is desired as for stated train/path
	enumeration	1002	documentation Full replacement of stated previous path
	enumeration	1003	documentation Partial replacement of stated previous path
	enumeration	1004	documentation Reference to sub train of Y-train bundle
	enumeration	1005	documentation Reference to main train of Y-train bundle
	enumeration	1006	documentation Reference to another PathRequestMessage after interruption train's journey by a foreign infrastructure area
	enumeration	1007	documentation Reference to another PathRequestMessage before interruption train's journey by a foreign infrastructure area
	enumeration	1008	documentation Reference to further path offer for the PathRequestMessage
	enumeration	1009	documentation Reference to booked path before interruption by railway replacement traffic by bus
	enumeration	1010	documentation Reference to a PreArrangedPath
	enumeration	1011	documentation Only the new train object shall be linked with the existing booked path for the specified validity period; no new path elaboration is needed
	enumeration	1012	documentation New final offer to former draft offer
	enumeration	1013	documentation Replaced path after modification by ResponsibleApplicant
	enumeration	1014	documentation New Route
	enumeration	1015	documentation Updated Route
	enumeration	DE01	documentation Reference to an associated empty/transfer train
	enumeration	DE02	documentation Reference to an associated main run
	enumeration	DE03	documentation Notice stated PathRequestMessage
	enumeration	DE04	documentation Replacement of stated train
	enumeration	DE05	documentation Reference to a reserved capacity
	enumeration	DE06	documentation Use of same OTN as of stated train
annotation	documentation Indicates the reason/purpose of usage of element RelatedPlannedTransportIdentifier. List of codes for element ReasonOfReference: 1000 = Same path offer is desired as for stated PathRequestMessage (Additional information: For a train requested with more than one PathRequestMessage (all with different bitmapdays) the same (or nearly the same) routing and timing at location in path offers for all PathRequestMessages (PathRequestIDs) is desired by		

	<p>Responsible Applicant (if it is possible). RPTID: All others PathRequestIDs).</p> <p>1001 = Same path is desired as for stated train/path (Additional information: For that path request the same (or nearly the same) routing/path elaboration/offer is desired by Responsible Applicant (if it is possible) as for stated train/path (may be in a previous period). RPTID: TrainID or PathID).</p> <p>1002 = Full replacement of stated previous path (Additional information: The current path given in PathDetailsMessage will replace the stated path fully after confirming the path offer.</p> <p>The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM. Calendar of previous path and offered path contain the same dates. The previous path doesn't exist anymore. RPTID: PathID).</p> <p>1003 = Partial replacement of stated previous path (Additional information: The current path given in PathDetailsMessage will replace the stated path partially after confirming the path offer.</p> <p>The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM only for a part of the previous calendar/traffic days. Calendar of offered path is only part of the calendar of former and changed path. The calendar of the previous path has to changed (less days and shorter validity period) after confirmation of the offered path. RPTID: PathID).</p> <p>1004 = Reference to sub train of Y-train bundle (Additional information: The current PathRequestMessage contains the main train of a Y-train bundle; the TrainID stated in RPTID is for the sub train which will be joined with or splitted of the main train.)</p> <p>1005 = Reference to main train of Y-train bundle (Additional information: The current PathRequestMessage contains the sub train of a Y-train bundle. The TrainID stated in RPTID is for the main train with which the sub train will be joined with or splitted of.)</p> <p>1006 = Reference to another PathRequestMessage after interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists after passing a foreign infrastructure area to continue train's journey.)</p> <p>1007 = Reference to another PathRequestMessage before interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists before passing a foreign infrastructure area.)</p> <p>1008 = Reference to further path offer for the PathRequestMessage (Additional information: There are more than one path offers for the PathRequestMessage. RPTID: All other PathID's.)</p> <p>1009 = Reference to booked path before interruption by railway replacement traffic by bus (Additional information: The stated train/path is continued following a railway replacement traffic with that new requested train/path. RPTID: PathID).</p> <p>1010 = Reference to a PathID of existing PAP, which is to be used by an annual train requested with that PRM. (Additional information: Reference to a PathID of existing PAP, which is to be used by an annual train requested with that PRM. RPTID: PathID).</p> <p>1011 = Only the new train object shall be linked with the existing booked path for the specified validity period; no new path elaboration is needed (Additional information: The code is used, when a new train object has to be linked with an existing booked path for a specified validity period and no new path elaboration is needed. It is used in modification process of planning phase only instead of using UpdateLinkMessage</p> <p>ObjectInfoMessage. Result: Internal path modification (reduce of validity period of calendar) for previous Path. New path with new PathID for the specified validity period. RPTID: Previous TrainID and PathID).</p> <p>1012 = New final offer to former draft offer (Additional information: Reference to (old) draft offer in case of IM is making a (different) new offer (TypeOfInformation : Final offer). Code is used only in process PathRequest (annual timetable); RPTID : PathID of draft offer.)</p> <p>1013 = Replaced path after modification by ResponsibleApplicant (Additional information: Reference to replaced path when IM is making an offer after receiving PathRequestMessage sent by RA for modification of booked path. Code is used only in Path Modification process in PathDetailsMessage. RPTID: PathID.)</p> <p>1014 = New Route (Additional information: Reference to previous Route replaced by the new Route)</p>
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	<p>1015 = Updated Route (Additional information: Reference to the Route that is IM/national (Route updated) Specific code only for one codes: DE01 = Reference to an associated empty/transfer train (Additional information: Stated train is a related train without passengers before or behind the current requested path for a train with passengers. RPTID: TrainID.) DE02 = Reference to an associated main run for a train without passengers. RPTID: TrainID.) DE03 = Notice stated PathRequestMessage (Additional information: For path elaboration of current PathRequestMessage the stated PathRequestMessage should be considered. RPTID: PathRequestID.) DE04 = Replacement of stated train (Additional information: Full or partial replacement of the named former train; example: Change of passenger trainset (like ICE or TGV) by set of loco and wagons in case of technical problems, delay or other reasons. It is not only change of TrainID. RPTID: TrainID.) DE05 = Reference to a reserved capacity (Additional information: This code can be used to refer to a study offer (with booking option) as a result of the KFB process (internal process for a specific product of DB Netz). RPTID: PathID.) DE06 = Use of same OTN as stated train (Additional information: Responsible Applicant wants to use same OTN as in stated train because of all trains are part of same family. The trains have only slightly differences on various days. RPTID: TrainID.)</p>
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	<p>replace the stated path partially after confirming the path offer.</p> <p>The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM only for a part of the previous calendar/traffic days. Calendar of offered path is only part of the calendar of former and changed path. The calendar of the previous path has to changed (less days and shorter validity period) after confirmation of the offered path. RPTID: PathID).</p> <p>1004 = Reference to sub train of Y-train bundle (Additional information: The current PathRequestMessage contains the main train of a Y-train bundle; the TrainID stated in RPTID is for the sub train which will be joined with or splitted of the main train.)</p> <p>1005 = Reference to main train of Y-train bundle (Additional information: The current PathRequestMessage contains the sub train of a Y-train bundle. The TrainID stated in RPTID is for the main train with which the sub train will be joined with or splitted of.)</p> <p>1006 = Reference to another PathRequestMessage after interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists after passing a foreign infrastructure area to continue train's journey.)</p> <p>1007 = Reference to another PathRequestMessage before interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists before passing a foreign infrastructure area.)</p> <p>1008 = Reference to further path offer for the PathRequestMessage (Additional information: There are more than one path offers for the PathRequestMessage. RPTID: All other PathID's.)</p> <p>1009 = Reference to booked path before interruption by railway replacement traffic by bus (Additional information: The stated train/path is continued following a railway replacement traffic with that new requested train/path. RPTID: PathID).</p> <p>1010 = Reference to a PreArrangedPath (Additional information: Reference to a PathID of existing PAP, which is to be used by an annual train requested with that PRM. RPTID: PathID).</p> <p>1011 = Only the new train object shall be linked with the existing booked path for the specified validity period; no new path elaboration is needed (Additional information: The code is used, when a new train object has to be linked with an existing booked path for a specified validity period and no new path elaboration is needed. It is used in modification process of planning phase only instead of using UpdateLinkMessage and ObjectInfoMessage. Result: Internal path modification (reduce of validity period of calendar) for previous Path. New path with new PathID for the specified validity period. RPTID: Previous TrainID and PathID).</p> <p>1012 = New final offer to former draft offer (Additional information: Reference to (old) draft offer in case of IM is making a (different) new offer (TypeOfInformation : Final offer). Code is used only in process PathRequest (annual timetable); RPTID : PathID of draft offer.)</p> <p>1013 = Replaced path after modification by ResponsibleApplicant (Additional information: Reference to replaced path when IM is making an offer after receiving PathRequestMessage sent by RA for modification of booked path. Code is used only in Path Modification process in PathDetailsMessage. RPTID: PathID.)</p>
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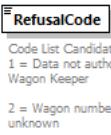
	<p>1014 = New Route (Additional information: Reference to previous Route replaced by the new Route)</p> <p>1015 = Updated Route (Additional information: Reference to the Route that is updated) Specific code only for one IM/national codes:</p> <p>DE01 = Reference to an associated empty/transfer train (Additional information: Stated train is a related train without passengers before or behind the current requested path for a train with passengers. RPTID: TrainID.)</p> <p>DE02 = Reference to an associated main run (Additional information: Stated train is a related train with passengers before or behind the current requested path for a train without passengers. RPTID: TrainID.)</p> <p>DE03 = Notice stated PathRequestMessage (Additional information: For path elaboration of current PathRequestMessage the stated PathRequestMessage should be considered. RPTID: PathRequestID.)</p> <p>DE04 = Replacement of stated train (Additional information: Full or partial replacement of the named former train; example: Change of passenger trainset (like ICE or TGV) by set of loco and wagons in case of technical problems, delay or other reasons. It is not only change of TrainID. RPTID: TrainID.)</p> <p>DE05 = Reference to a reserved capacity (Additional information: This code can be used to refer to a study offer (with booking option) as a result of the KFB process (internal process for a specific product of DB Netz). RPTID: PathID.)</p> <p>DE06 = Use of same OTN as of stated train (Additional information: Responsible Applicant wants to use same OTN as in stated train because of all trains are part of same family. The trains have only slightly differences on various days. RPTID: TrainID.)</p>
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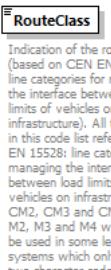
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element **RefusalCode**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:integer									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>2</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	1		enumeration	2	
Kind	Value	Annotation								
enumeration	1									
enumeration	2									
annotation	<p>documentation</p> <table> <thead> <tr> <th>Code</th> <th>List</th> <th>Candidate:</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>= Data not authorised by Wagon Keeper</td> <td></td> </tr> <tr> <td>2</td> <td>= Wagon number freight unknown</td> <td></td> </tr> </tbody> </table>	Code	List	Candidate:	1	= Data not authorised by Wagon Keeper		2	= Wagon number freight unknown	
Code	List	Candidate:								
1	= Data not authorised by Wagon Keeper									
2	= Wagon number freight unknown									
source	<pre> <xs:element name="RefusalCode"> <xs:annotation> <xs:documentation>Code List Candidate: 1 = Data not authorised by Wagon Keeper 2 = Wagon number freight unknown</xs:documentation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType> </xs:annotation> </xs:element> </pre>									

element **RouteClass**

diagram							
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1						
type	restriction of xs:string						
properties	content simple						
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1	
Kind	Value	Annotation					
minLength	1						

	maxLength 3 enumeration A enumeration B enumeration B1 enumeration B2 enumeration C enumeration C2 enumeration C3 enumeration C4 enumeration CM enumeration CM2 enumeration CM3 enumeration CM4 enumeration CE enumeration D enumeration D2 enumeration D3 enumeration D4 enumeration D5 enumeration E enumeration E4 enumeration E5 enumeration E6 enumeration F enumeration G
annotation	<p>documentation</p> <p>Indication of the route class (based on CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure). All the codes in this code list refer to CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure. CM2, CM3 and CM 4 equal M2, M3 and M4 which might be used in some legacy systems which only support two character codes.</p>
source	<pre> <xs:element name="RouteClass"> <xs:annotation> <xs:documentation>Indication of the route class (based on CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure). All the codes in this code list refer to CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure. CM2, CM3 and CM 4 equal M2, M3 and M4 which might be used in some legacy systems which only support two character codes.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="3"/> <xs:enumeration value="A"/> <xs:enumeration value="B"/> <xs:enumeration value="B1"/> <xs:enumeration value="B2"/> <xs:enumeration value="C"/> <xs:enumeration value="C2"/> <xs:enumeration value="C3"/> <xs:enumeration value="C4"/> </xs:restriction> </xs:simpleType> </pre>

	<pre><xs:enumeration value="CM"/> <xs:enumeration value="CM2"/> <xs:enumeration value="CM3"/> <xs:enumeration value="CM4"/> <xs:enumeration value="CE"/> <xs:enumeration value="D"/> <xs:enumeration value="D2"/> <xs:enumeration value="D3"/> <xs:enumeration value="D4"/> <xs:enumeration value="D5"/> <xs:enumeration value="E"/> <xs:enumeration value="E4"/> <xs:enumeration value="E5"/> <xs:enumeration value="E6"/> <xs:enumeration value="F"/> <xs:enumeration value="G"/> </xs:restriction> </xs:simpleType> </xs:element></pre>
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element **TractionMode**

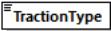
diagram	<p>TractionMode</p> <p>Identifies the mode of deployment of a traction unit within a train.</p> <p>First digit – traction role Second digit – position in group of traction units with the same role</p> <ul style="list-style-type: none"> 11 Train traction 1st traction unit in the group 21 Intermediate traction 1st traction unit in the group 31 Banking locomotive 1st traction unit in the group 41 Banking locomotive not coupled 1st traction unit in the group 51 No Leading Engine 1st traction unit in the group 12 Train traction 2nd traction unit in the group 22 Intermediate traction 2nd traction unit in the group 32 Banking locomotive 2nd traction unit in the group 42 Banking locomotive not coupled 2nd traction unit in the group 52 No Leading Engine 2nd traction unit in the group 13 Train traction 3rd traction unit in the group 23 Intermediate traction 3rd traction unit in the group 33 Banking locomotive 3rd traction unit in the group 43 Banking locomotive not coupled 3rd traction unit in the group 53 No Leading Engine 3rd traction unit in the group 14 Train traction 4th traction unit in the group 24 Intermediate traction 4th traction unit in the group 34 Banking locomotive 4th traction unit in the group 44 Banking locomotive not coupled 4th traction unit in the group 54 No Leading Engine 4th traction unit in the group 15 Train traction 5th traction unit in the group 25 Intermediate traction 5th traction unit in the group 35 Banking locomotive 5th traction unit in the group 45 Banking locomotive not coupled 5th traction unit in the group 55 No Leading Engine 5th traction unit in the group 16 Train traction 6th traction unit in the group 26 Intermediate traction 6th traction unit in the group 36 Banking locomotive 6th traction unit in the group 46 Banking locomotive not coupled 6th traction unit in the group 56 No Leading Engine 6th traction unit in the group 																																							
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Kind	Value	Annotation																																						
minInclusive	11																																							
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enumeration	52																																							

	enumeration 13	
	enumeration 23	
	enumeration 33	
	enumeration 43	
	enumeration 53	
	enumeration 14	
	enumeration 24	
	enumeration 34	
	enumeration 44	
	enumeration 54	
	enumeration 15	
	enumeration 25	
	enumeration 35	
	enumeration 45	
	enumeration 55	
	enumeration 16	
	enumeration 26	
	enumeration 36	
	enumeration 46	
	enumeration 56	
annotation	documentation	
	Identifies the mode of deployment of a traction within a train	
	First digit – traction role	
	Second digit – position in group of traction units with the same role	
	11 Train traction 1st traction unit in the group	
	21 Intermediate traction 1st traction unit in the group	
	31 Banking locomotive 1st traction unit in the group	
	41 Banking locomotive not coupled 1st traction unit in the group	
	51 No Leading Engine 1st traction unit in the group	
	12 Train traction 2nd traction unit in the group	
	22 Intermediate traction 2nd traction unit in the group	
	32 Banking locomotive 2nd traction unit in the group	
	42 Banking locomotive not coupled 2nd traction unit in the group	
	52 No Leading Engine 2nd traction unit in the group	
	13 Train traction 3rd traction unit in the group	
	23 Intermediate traction 3rd traction unit in the group	
	33 Banking locomotive 3rd traction unit in the group	
	43 Banking locomotive not coupled 3rd traction unit in the group	
	53 No Leading Engine 3rd traction unit in the group	
	14 Train traction 4th traction unit in the group	
	24 Intermediate traction 4th traction unit in the group	
	34 Banking locomotive 4th traction unit in the group	
	44 Banking locomotive not coupled 4th traction unit in the group	
	54 No Leading Engine 4th traction unit in the group	
	15 Train traction 5th traction unit in the group	
	25 Intermediate traction 5th traction unit in the group	
	35 Banking locomotive 5th traction unit in the group	
	45 Banking locomotive not coupled 5th traction unit in the group	
	55 No Leading Engine 5th traction unit in the group	
	16 Train traction 6th traction unit in the group	
	26 Intermediate traction 6th traction unit in the group	
	36 Banking locomotive 6th traction unit in the group	
	46 Banking locomotive not coupled 6th traction unit in the group	
	56 No Leading Engine 6th traction unit in the group	
source	<xs:element	name="TractionMode">

	<pre> <xs:annotation> <xs:documentation>Identifies the mode of deployment of a traction within a First digit - traction role Second digit - position in group of traction units with the same role 11 Train traction 1st traction unit in the group 21 Intermediate traction 1st traction unit in the group 31 Banking locomotive 1st traction unit in the group 41 Banking locomotive not coupled 1st traction unit in the group 51 No Leading Engine 1st traction unit in the group 12 Train traction 2nd traction unit in the group 22 Intermediate traction 2nd traction unit in the group 32 Banking locomotive 2nd traction unit in the group 42 Banking locomotive not coupled 2nd traction unit in the group 52 No Leading Engine 2nd traction unit in the group 13 Train traction 3rd traction unit in the group 23 Intermediate traction 3rd traction unit in the group 33 Banking locomotive 3rd traction unit in the group 43 Banking locomotive not coupled 3rd traction unit in the group 53 No Leading Engine 3rd traction unit in the group 14 Train traction 4th traction unit in the group 24 Intermediate traction 4th traction unit in the group 34 Banking locomotive 4th traction unit in the group 44 Banking locomotive not coupled 4th traction unit in the group 54 No Leading Engine 4th traction unit in the group 15 Train traction 5th traction unit in the group 25 Intermediate traction 5th traction unit in the group 35 Banking locomotive 5th traction unit in the group 45 Banking locomotive not coupled 5th traction unit in the group 55 No Leading Engine 5th traction unit in the group 16 Train traction 6th traction unit in the group 26 Intermediate traction 6th traction unit in the group 36 Banking locomotive 6th traction unit in the group 46 Banking locomotive not coupled 6th traction unit in the group 56 No Leading Engine 6th traction unit in the group </xs:documentation> </xs:annotation> <xssimpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="11"/> <xs:maxInclusive value="99"/> <xs:enumeration value="11"/> <xs:enumeration value="21"/> <xs:enumeration value="31"/> <xs:enumeration value="41"/> <xs:enumeration value="51"/> <xs:enumeration value="12"/> <xs:enumeration value="22"/> <xs:enumeration value="32"/> <xs:enumeration value="42"/> <xs:enumeration value="52"/> <xs:enumeration value="13"/> <xs:enumeration value="23"/> <xs:enumeration value="33"/> <xs:enumeration value="43"/> <xs:enumeration value="53"/> <xs:enumeration value="14"/> <xs:enumeration value="24"/> </xs:restriction> </xssimpleType> </pre>
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element **TractionType**

diagram	 <p>Identifies the type of a locomotive: First digit: "0" = not specified "1" = external electric power supply for traction (catenary and pantograph, third rail or other such as maglev) "2" = on-board traction power supply for traction without external electrical or other power supply available "3" = hybrid traction (both on-board or electric traction available) Second digit (definitions in chapter 2.2.2 of the LOC and PAS TSI 1302/2014): "0" = not specified "1" = locomotive or power unit "2" = trainset or multiple unit or railcar "3" = shunter "4" = on track machine or infrastructure inspection vehicle</p>																																													
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																																													
type	restriction of xs:token																																													
properties	content simple																																													
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>00</td><td></td></tr> <tr><td>enumeration</td><td>01</td><td></td></tr> <tr><td>enumeration</td><td>02</td><td></td></tr> <tr><td>enumeration</td><td>03</td><td></td></tr> <tr><td>enumeration</td><td>04</td><td></td></tr> <tr><td>enumeration</td><td>10</td><td></td></tr> <tr><td>enumeration</td><td>11</td><td></td></tr> <tr><td>enumeration</td><td>12</td><td></td></tr> <tr><td>enumeration</td><td>13</td><td></td></tr> <tr><td>enumeration</td><td>14</td><td></td></tr> <tr><td>enumeration</td><td>20</td><td></td></tr> <tr><td>enumeration</td><td>21</td><td></td></tr> <tr><td>enumeration</td><td>22</td><td></td></tr> <tr><td>enumeration</td><td>23</td><td></td></tr> </tbody> </table>	Kind	Value	Annotation	enumeration	00		enumeration	01		enumeration	02		enumeration	03		enumeration	04		enumeration	10		enumeration	11		enumeration	12		enumeration	13		enumeration	14		enumeration	20		enumeration	21		enumeration	22		enumeration	23	
Kind	Value	Annotation																																												
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	enumeration 24 enumeration 30 enumeration 31 enumeration 32 enumeration 33 enumeration 34
annotation	<p>documentation</p> <p>Identifies the type of a locomotive:</p> <p>First digit:</p> <p>“0” = not specified</p> <p>“1” = external electric power supply for traction (catenary and pantograph, third rail or other such as maglev)</p> <p>“2” = on-board traction power supply for traction without external electrical or other power supply available</p> <p>“3” = hybrid traction (both on-board or electric traction available)</p> <p>Second digit (definitions in chapter 2.2.2 of the LOC and PAS TSI 1302/2014):</p> <p>“0” = not specified</p> <p>“1” = locomotive or power unit</p> <p>“2” = trainset or multiple unit or railcar</p> <p>“3” = shunter</p> <p>“4” = on track machine or infrastructure inspection vehicle</p>
source	<pre> <xs:element name="TractionType"> <xs:annotation> <xs:documentation>Identifies the type of a locomotive: First digit: “0” = not specified “1” = external electric power supply for traction (catenary and pantograph, third rail or other such as maglev) “2” = on-board traction power supply for traction without external electrical or other power supply available “3” = hybrid traction (both on-board or electric traction available) Second digit (definitions in chapter 2.2.2 of the LOC and PAS TSI 1302/2014): “0” = not specified “1” = locomotive or power unit “2” = trainset or multiple unit or railcar “3” = shunter “4” = on track machine or infrastructure inspection vehicle </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="00"/> <xs:enumeration value="01"/> <xs:enumeration value="02"/> <xs:enumeration value="03"/> <xs:enumeration value="04"/> <xs:enumeration value="10"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/> <xs:enumeration value="13"/> <xs:enumeration value="14"/> <xs:enumeration value="20"/> <xs:enumeration value="21"/> <xs:enumeration value="22"/> <xs:enumeration value="23"/> <xs:enumeration value="24"/> <xs:enumeration value="30"/> <xs:enumeration value="31"/> </xs:restriction> </xs:simpleType> </pre>

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

element **TrainRadioSystem**

diagram	<p>The on board radio system of the train in coded format</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:token									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>2</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	1		enumeration	2	
Kind	Value	Annotation								
enumeration	1									
enumeration	2									
annotation	<p>documentation</p> <p>The on board radio system of the train in coded format</p>									
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> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

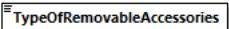
element **TrainType**

diagram	<p>Element TrainType defines the main purpose of the train in a fundamental way. These purposes are: Transport of passengers Transport of freight/goods Transport of passengers and freight/goods Train only for run of traction unit/locomotive Train of the IM in case of emergency The element is not repeatable, and it does not support any overlapping meaning. Following codes are available: 1 - Passenger train 2 - Freight train 3 - Locomotive train 4 - Maintenance train 5 - Emergency train 6 - Mixed train (passenger and freight train in combination) 0 - Other train</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:integer

properties	content	simple																												
facets	<p>Kind Value Annotation</p> <p>enumeration 0</p> <p>enumeration 1</p> <p>enumeration 2</p> <p>enumeration 3</p> <p>enumeration 4</p> <p>enumeration 5</p> <p>enumeration 6</p>																													
annotation	<p>documentation</p> <p>Element TrainType defines the main purpose of the train in a fundamental way. These purposes are:</p> <p>Transport of passengers</p> <p>Transport of freight/goods</p> <p>Transport of passengers and freight/goods</p> <p>Train only for run of traction unit/locomotive</p> <p>Train of the IM in case of emergency</p> <p>The element is not repeatable, and it does not support any overlapping meaning. Following codes are available:</p> <table> <tr><td>1</td><td>-</td><td>Passenger</td><td>train</td></tr> <tr><td>2</td><td>-</td><td>Freight</td><td>train</td></tr> <tr><td>3</td><td>-</td><td>Locomotive</td><td>train</td></tr> <tr><td>4</td><td>-</td><td>Maintenance</td><td>train</td></tr> <tr><td>5</td><td>-</td><td>Emergency</td><td>train</td></tr> <tr><td>6</td><td>- Mixed train (passenger and freight train in combination)</td><td>Other</td><td>train</td></tr> <tr><td>0</td><td>-</td><td></td><td></td></tr> </table>	1	-	Passenger	train	2	-	Freight	train	3	-	Locomotive	train	4	-	Maintenance	train	5	-	Emergency	train	6	- Mixed train (passenger and freight train in combination)	Other	train	0	-			
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0	-																													
source	<pre> <xs:element name="TrainType"> <xs:annotation> <xs:documentation>Element TrainType defines the main purpose of the train in a fundamental way. These purposes are: Transport of passengers Transport of freight/goods Transport of passengers and freight/goods Train only for run of traction unit/locomotive Train of the IM in case of emergency The element is not repeatable, and it does not support any overlapping meaning. Following codes are available: 1 - Passenger train 2 - Freight train 3 - Locomotive train 4 - Maintenance train 5 - Emergency train 6 - Mixed train (passenger and freight train in combination) 0 - Other train </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <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> </pre>																													

	<code></xs:element></code>
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element **TypeOfRemovableAccessories**

diagram	 <p>Specification of removable accessory. Should be added to Code List. Values refer to UIC Leaflet 920-13: 01 = Removable stanchion 02 = Removable side flap of flat wagon 03 = Removable end flap of flat wagon 04 = Removable side rail 05 = Removable intermediate upright for securing the load 06 = Stanchion chain 07 = Removable handle and wheel for winch on car-carrying wagon 08 = Swivelling bolster (with stanchions) 09 = Coupling rod (rigid coupling) 10 = Ice bunker 11 = Ice bunker screen 12 = Ice bunker frame 13 = Trestle or bar with hooks for hanging meat 14 = Movable cross-member of wagon with low loading plane 15 = Removable support 16 = Mooring cross-member on wagon for special loads 17 = Movable floor panel on wagon for special loads 18 = Scotch 19 = Skid bar with or without shoes on car-carrying wagon 20 = Mooring strap on car-carrying wagon 21 = Beam for movable ramp on car-carrying wagon 22 = Spare heating half-coupling 23 = Fire extinguisher 24 = Wheel scotches (for cars) on car-carrying wagon 25 = Gangway loading ramp on car-carrying wagon 26 = Metal cradles for rolls of metal sheeting 27 = Panel for covering markings 28 = Loading frame for special types of goods 29 = Headstock for "rolling roads" 99 = Other wagon accessories </p>																																																												
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annotation	<p>documentation</p> <p>Specification of removable accessory.</p> <p>Should be added to Code List. Values refer to UIC Leaflet 920-13:</p> <p>01 = Removable stanchion 02 = Removable side flap of flat wagon 03 = Removable end flap of flat wagon 04 = Removable side rail 05 = Removable intermediate upright for securing the load 06 = Stanchion chain 07 = Removable handle and wheel for winch on car-carrying wagon 08 = Swivelling bolster (with stanchions) 09 = Coupling rod (rigid coupling) 10 = Ice bunker 11 = Ice bunker screen 12 = Ice bunker frame 13 = Trestle or bar with hooks for hanging meat 14 = Movable cross-member of wagon with low loading plane 15 = Removable support 16 = Mooring cross-member on wagon for special loads 17 = Movable floor panel on wagon for special loads 18 = Scotch 19 = Skid bar with or without shoes on car-carrying wagon 20 = Mooring strap on car-carrying wagon 21 = Beam for movable ramp on car-carrying wagon 22 = Spare heating half-coupling 23 = Fire extinguisher 24 = Wheel scotches (for cars) on car-carrying wagon 25 = Gangway loading ramp on car-carrying wagon 26 = Metal cradles for rolls of metal sheeting 27 = Panel for covering markings 28 = Loading frame for special types of goods 29 = Headstock for "rolling roads" 99 = Other wagon accessories </p>
source	<pre> <xs:element name="TypeOfRemovableAccessories"> <xs:annotation> <xs:documentation>Specification of removable accessory. Should be added to Code List. Values refer to UIC Leaflet 920-13: 01 = Removable stanchion 02 = Removable side flap of flat wagon 03 = Removable end flap of flat wagon 04 = Removable side rail 05 = Removable intermediate upright for securing the load 06 = Stanchion chain 07 = Removable handle and wheel for winch on car-carrying wagon 08 = Swivelling bolster (with stanchions) 09 = Coupling rod (rigid coupling) </pre>

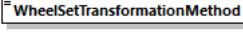
	10	=	Ice		bunker	bunker
	11	=	Ice		bunker	screen
	12	=	Ice		bunker	frame
	13	= Trestle or bar with hooks for hanging meat				
	14	= Movable cross-member of wagon with low loading plane				
	15	=	Removable			support
	16	= Mooring cross-member on wagon for special loads				
	17	= Movable floor panel on wagon for special loads				
	18	=				Scotch
	19	= Skid bar with or without shoes on car-carrying wagon				
	20	= Mooring strap on car-carrying wagon				
	21	= Beam for movable ramp on car-carrying wagon				
	22	= Spare heating half-coupling				
	23	= Fire extinguisher				
	24	= Wheel scotches (for cars) on car-carrying wagon				
	25	= Gangway loading ramp on car-carrying wagon				
	26	= Metal cradles for rolls of metal sheeting				
	27	= Panel for covering markings				
	28	= Loading frame for special types of goods				
	29	= Headstock for "rolling roads"				
	99	= Other wagon accessories				
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	</xs:simpleType>					
	</xs:element>					

element **TypeOfUsedHybridPowerunit**

diagram	 <p>information about the type of power unit in case of using a hybrid locomotive; List of power unit types: 1-electric (pantograph, conductor rail), 2-liquid fuel (benzine, diesel, gasoline), 3-battery, 4-hydrogen</p>															
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1															
type	restriction of xs:token															
properties	content simple															
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>1</td> <td>documentation electric (pantograph, conductor rail)</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>documentation liquid fuel (benzine, diesel, gasoline)</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>documentation battery</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>documentation hydrogen</td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	1	documentation electric (pantograph, conductor rail)	enumeration	2	documentation liquid fuel (benzine, diesel, gasoline)	enumeration	3	documentation battery	enumeration	4	documentation hydrogen
Kind	Value	Annotation														
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source	<pre> <xs:element name="TypeOfUsedHybridPowerunit"> <xs:annotation> <xs:documentation>information about the type of power unit in case of using a hybrid locomotive; List of power unit types: 1-electric (pantograph, conductor rail), 2-liquid fuel (benzine, diesel, gasoline), 3-battery, 4-hydrogen </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>electric (pantograph, conductor rail)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>liquid fuel (benzine, diesel, gasoline)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>battery</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4"> <xs:annotation> <xs:documentation>hydrogen</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>															

	<pre> <xs:annotation> <xs:documentation>battery</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>hydrogen</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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element **WheelSetTransformationMethod**

diagram	 <p>„Description of the wheel set transformation method for wagons with a changeable wheel set gauge. Code list: 1 = Automatic, 2 = Bogie/axle change</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1									
type	restriction of xs:token									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>2</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	1		enumeration	2	
Kind	Value	Annotation								
enumeration	1									
enumeration	2									
annotation	<p>documentation</p> <p>wheel „Description of the wheel set transformation method for wagons with a changeable set gauge. Code list: 1 = Automatic, 2 = Bogie/axle change</p>									
source	<pre> <xs:element name="WheelSetTransformationMethod"> <xs:annotation> <xs:documentation> „Description of the wheel set transformation method for wagons with a changeable wheel set gauge. Code list: 1 = Automatic, 2 = Bogie/axle change </xs:documentation> <xs:simpleType> <xs:restriction> <xs:enumeration <xs:enumeration </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

simpleType ConsignmentTypeCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1											
type	restriction of xs:token											
properties	base xs:token											
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>CIM</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Other</td> <td></td> </tr> </tbody> </table>			Kind	Value	Annotation	enumeration	CIM		enumeration	Other	
Kind	Value	Annotation										
enumeration	CIM											
enumeration	Other											
annotation	<p>documentation</p> <p>Identifies the type of a waybill.</p> <p>CIM Convention Internationale Marchandises (OTIF) Source: CIM (OTIF)</p>											
source	<pre> <xs:simpleType name="ConsignmentTypeCode"> <xs:annotation> <xs:documentation>Identifies the type of a waybill. CIM Convention Internationale Marchandises (OTIF) Source: CIM (OTIF) </xs:documentation> </xs:annotation> <xs:restriction base="xs:token"> <xs:enumeration value="CIM"/> <xs:enumeration value="Other"/> </xs:restriction> </xs:simpleType> </pre>											

simpleType DelayCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																																																														
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simpleType InfoIndex

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1												
type	restriction of xs:string												
properties	base xs:string												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>10</td> <td></td> </tr> <tr> <td>enumeration</td> <td>20</td> <td></td> </tr> <tr> <td>enumeration</td> <td>30</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	10		enumeration	20		enumeration	30	
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annotation	documentation indicates additional information												
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simpleType MessageCode

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properties	base xs:integer
facets	Kind Value Annotation minInclusive 1

	maxInclusive 9999
annotation	documentation Identifies the type of message
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simpleType RestrictionCodes

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	enumeration 91							
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	enumeration 99							
annotation	documentation							
						All codes of Transport		
	restrictions for Freight Traffic (cf. UIC 920-13)	and	Passengers Traffic	are in the same list.				
	P	=		F = Freight				
	T	=				Passenger		
	D	=				Technical		
	L	=				Damage		
						Load		
	Code F or P	Description						
			T	D	L			
	07 F	Shunt only when hand brake operable with ground staff						
	08 F	Tank wagon loaded with liquid				x		x
	09 F	Wagon loaded with people	x					
	11 F	Wagon other than bogie wagon with wheelbase of more than 9 metres	x					
	12 F	Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres	x					
	13 F	Bogie wagon with distance between wheels of more than 17,50 metres						
	15 F	Wagon not allowed over the hump	x					
	16 F	Do not fly shunt or gravity shunt (3 red triangles)	x x x				x	x
	18 F	Must not use active braking equipment	x					
	25 F	Gas carrying tank wagon with orange side stripe	x					
	30 P (+F)	CCS fault (see CCS coding list)				x		
	31 P (+F)	Braking system fault	x					
	32 P (+F)	Wheelset, bogie fault	x					

			x
33	P (+F)	Headlighting or back lighting fault	
34	P (+F)	Front glass broken	x
35	P (+F)	Horn fault	x
36	P (+F)	Radio fault	x
37	P (+F)	Energy supply fault	x
38	P (+F)	Traction or motor fault	x
39	P	Access door fault	x
41	F	Place this wagon at the front of the train	x
42	F	Place this wagon at the rear of the train	x
50	P (+F)	Speed restriction	x x
52	P (+F)	Diesel locomotive instead of electric locomotive	x x
61	F	Wagon forming part of a consignment of several wagons	x (X) F
62	F	Wagon forming part of a group of wagons from which it must not be separated	x
63 one 68	F (+P) F	Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned First or last wagon of a wagon group from which it must not be separated	x x x
70	F	Shunt with care (1 red triangle)	x
71	F	Shunt with special care (2 red triangle)	x x x

	90	P	X X	Train planned with passengers operated without passengers	
	91	P		Train planned without passengers operated with passengers	X
	92	P		Train planned with hauled rolling stock and operated without any coaches (light engine)	X
	94	F	X X	Gas carrying wagon without orange side stripe	
	99	P		Other	X
			X		
source	<pre> <xs:simpleType name="RestrictionCodes"> <xs:annotation> <xs:documentation> All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list. F = Freight P = Passenger T = Technical D = Damage L = Load </xs:documentation> </xs:annotation> <xs:restriction base="string"> <xs:enumeration value="F"/> <xs:enumeration value="P"/gt; <xs:enumeration value="T"/gt; <xs:enumeration value="D"/gt; <xs:enumeration value="L"/gt; </xs:restriction> </xs:simpleType> </pre> <p>Code F or P Description</p>				
	07	F	T D L	Shunt only when hand brake operable with ground staff	
	08	F	X X	Tank wagon loaded with liquid	
	09	F		Wagon loaded with people	X
	11	F		Wagon other than bogie wagon with wheelbase of more than 9 metres	X
	12	F		Bogie wagon with distance between wheels of more than 14 metres	
				and up to and including a distance of 17,50 metres	X
	13	F		Bogie wagon with distance between wheels of more than 17,50	
				metres	
	15	F		Wagon not allowed over the hump	X

			x x x
16	F	Do not fly shunt or gravity shunt (3 red triangles)	
18	F	Must not use active braking equipment	x x x
25	F	Gas carrying tank wagon with orange side stripe	x
30	P (+F)	CCS fault (see CCS coding list)	x
31	P (+F)	Braking system fault	x
32	P (+F)	Wheelset, bogie fault	x
33	P (+F)	Headlighting or back lighting fault	x
34	P (+F)	Front glass broken	x
35	P (+F)	Horn fault	x
36	P (+F)	Radio fault	x
37	P (+F)	Energy supply fault	x
38	P (+F)	Traction or motor fault	x
39	P	Access door fault	x
41	F	Place this wagon at the front of the train	x x x

	42	F	Place this wagon at the rear of the train	
	50	P (+F)	Speed restriction	x x x
	52	P (+F)	Diesel locomotive instead of electric locomotive	x x
	61	F	Wagon forming part of a consignment of several wagons	F
	62	F	Wagon forming part of a group of wagons from which it must not be separated	x
	63	F (+P)	Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned one	x x
	68	F	First or last wagon of a wagon group from which it must not be separated	x
	70	F	Shunt with care (1 red triangle)	x
	71	F	Shunt with special care (2 red triangle)	x x x
	90	P	Train planned with passengers operated without passengers	x x x
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simpleType RunningStatus

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annotation	<p>documentation Identifies the status of a train related to the actual time at the reporting point. Documentation to the existing codes is provided in the table below:</p> <table> <tr><td>00</td><td>Not</td><td>at</td><td>specified</td></tr> <tr><td>01</td><td>Arrival</td><td>at</td><td>destination</td></tr> <tr><td>02</td><td>Departure</td><td>at</td><td>origin</td></tr> <tr><td>03</td><td>Intermediate</td><td></td><td>arrival</td></tr> <tr><td>04</td><td>Intermediate</td><td></td><td>departure</td></tr> <tr><td>05</td><td>Pass</td><td></td><td>through</td></tr> <tr><td>06</td><td colspan="3">NEW CODES: Some IMs are transmitting these codes (6 - 9)</td></tr> <tr><td>07</td><td></td><td></td><td></td></tr> <tr><td>08</td><td></td><td></td><td></td></tr> <tr><td>09</td><td></td><td></td><td></td></tr> <tr><td>10</td><td>Not specified for wagon</td><td>Starting from 10, the values are only wagon related.</td><td></td></tr> <tr><td>11</td><td>Wagon arrival at its destination by train</td><td></td><td></td></tr> <tr><td>12</td><td>Wagon departure from its station of origin by train</td><td></td><td></td></tr> <tr><td>13</td><td>Wagon arrival at reporting point by train</td><td></td><td></td></tr> <tr><td>14</td><td>Wagon departure from reporting point by train</td><td></td><td></td></tr> <tr><td>15</td><td>Wagon run-through at reporting point by train</td><td></td><td></td></tr> <tr><td>16</td><td>Wagon parked at reporting point</td><td></td><td></td></tr> <tr><td>17</td><td>Wagon shunted at reporting point</td><td></td><td></td></tr> <tr><td>18</td><td>Wagon arrived at reporting point</td><td></td><td></td></tr> <tr><td>19</td><td>Wagon departure from reporting point</td><td></td><td></td></tr> </table>	00	Not	at	specified	01	Arrival	at	destination	02	Departure	at	origin	03	Intermediate		arrival	04	Intermediate		departure	05	Pass		through	06	NEW CODES: Some IMs are transmitting these codes (6 - 9)			07				08				09				10	Not specified for wagon	Starting from 10, the values are only wagon related.		11	Wagon arrival at its destination by train			12	Wagon departure from its station of origin by train			13	Wagon arrival at reporting point by train			14	Wagon departure from reporting point by train			15	Wagon run-through at reporting point by train			16	Wagon parked at reporting point			17	Wagon shunted at reporting point			18	Wagon arrived at reporting point			19	Wagon departure from reporting point		
00	Not	at	specified																																																																														
01	Arrival	at	destination																																																																														
02	Departure	at	origin																																																																														
03	Intermediate		arrival																																																																														
04	Intermediate		departure																																																																														
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07																																																																																	
08																																																																																	
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10	Not specified for wagon	Starting from 10, the values are only wagon related.																																																																															
11	Wagon arrival at its destination by train																																																																																
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15	Wagon run-through at reporting point by train																																																																																
16	Wagon parked at reporting point																																																																																
17	Wagon shunted at reporting point																																																																																
18	Wagon arrived at reporting point																																																																																
19	Wagon departure from reporting point																																																																																
source	<pre> <xs:simpleType name="RunningStatus"> <xs:annotation> <xs:documentation>Identifies the status of a train related to the actual time at the reporting point. Documentation to the existing codes is provided in the table below: <table> <tr><td>00</td><td>Not</td><td>at</td><td>specified</td></tr> <tr><td>01</td><td>Arrival</td><td>at</td><td>destination</td></tr> <tr><td>02</td><td>Departure</td><td>at</td><td>origin</td></tr> <tr><td>03</td><td>Intermediate</td><td></td><td>arrival</td></tr> <tr><td>04</td><td>Intermediate</td><td></td><td>departure</td></tr> <tr><td>05</td><td>Pass</td><td></td><td>through</td></tr> <tr><td>06</td><td data-cs="3" data-kind="parent">NEW CODES: Some IMs are transmitting these codes (6 - 9)</td><td data-kind="ghost"> </pre>																																																																																

	<p>14 Wagon departure from reporting point by train 15 Wagon run-through at reporting point by train 16 Wagon parked at reporting point 17 Wagon shunted at reporting point 18 Wagon arrived at reporting point 19 Wagon departure from reporting point</p> <pre style="color: red; margin-top: 20px;"> </xs:documentation> </xs:annotation> <xss:restriction base="xs:token"> <xss:enumeration value="00"/> <xss:enumeration value="01"/> <xss:enumeration value="02"/> <xss:enumeration value="03"/> <xss:enumeration value="04"/> <xss:enumeration value="05"/> <xss:enumeration value="06"/> <xss:enumeration value="07"/> <xss:enumeration value="08"/> <xss:enumeration value="09"/> <xss:enumeration value="10"/> <xss:enumeration value="11"/> <xss:enumeration value="12"/> <xss:enumeration value="13"/> <xss:enumeration value="14"/> <xss:enumeration value="15"/> <xss:enumeration value="16"/> <xss:enumeration value="17"/> <xss:enumeration value="18"/> <xss:enumeration value="19"/> </xss:restriction> </xs:simpleType></pre>
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simpleType TrainCC_SystemCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:token		
properties	base xs:token		
facets	Kind	Value	Annotation
	enumeration	01	
	enumeration	02	
	enumeration	03	
	enumeration	04	
	enumeration	05	
	enumeration	06	
	enumeration	07	
	enumeration	08	
	enumeration	09	
	enumeration	10	
	enumeration	11	
	enumeration	12	
	enumeration	13	

	enumeration	14		
	enumeration	15		
	enumeration	16		
	enumeration	17		
	enumeration	18		
	enumeration	19		
	enumeration	20		
	enumeration	21		
	enumeration	22		
	enumeration	23		
	enumeration	24		
	enumeration	25		
	enumeration	26		
	enumeration	27		
	enumeration	28		
	enumeration	29		
	enumeration	30		
	enumeration	31		
	enumeration	32		
	enumeration	33		
	enumeration	34		
	enumeration	35		
	enumeration	36		
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	enumeration	38		
	enumeration	39		
	enumeration	40		
	enumeration	41		
	enumeration	42		
	enumeration	43		
	enumeration	44		
	enumeration	45		
	enumeration	46		
	enumeration	47		
	enumeration	48		
	enumeration	49		
	enumeration	50		
	enumeration	51		
	enumeration	52		
	enumeration	53		
	enumeration	54		
annotation	documentation Type Identifies 1 2 3 4 5 6 7	of the command control Train system of the ATB ATB ATC ATP CIR 1 (traction unit is equipped with LZB CIR-ELKE])	Control train in coded 1st Next Gen Gen ATC ATP CIR-ELKE])	System values. ALSN ASFA Gen Gen ATC ATP CIR-ELKE])

	8 CIR 1+2 (traction unit is equipped with LZB CIR-ELKE I + II) 9 CIR 2 (traction unit is equipped with LZB CIR-ELKE II) 10 Crocodile DAAT 11 EBICAB 700 12 EBICAB 900 13 14 EFA (all traction units/driving cabins of the train are equipped with an electronic drivers cab display (EFA)) 15 ETCS L1 LS plus EuroZUB 16 ETCS L1 SRS 2.3.0d (traction unit is equipped with ETCS Level 1 version 2.3.0d) 17 ETCS L2 SRS 2.3.0d (traction unit is equipped with ETCS Level 2 version 2.3.0d) 18 ETCS L2 SRS 3.3.0 (traction unit is equipped with ETCS Level 2 version 3.3.0) 19 ETCS L2 SRS 3.4.0 (traction unit is equipped with ETCS Level 2 version 3.4.0) 20 ETCS L2 SRS 3.6.0 (traction unit is equipped with ETCS Level 2 version 3.6.0) 21 ETCS Level 0 22 ETCS Level 1 23 ETCS Level 2 24 ETCS Level 3 25 ETCS Level NSC 26 EVM 27 Indusi 54 28 Indusi 60 R 29 Indusi PZ 80 30 KBS-E 31 KCVB 32 KCVP 33 KVB 34 KVBP 35 LS 36 LS 90 37 LS I 38 LS III 39 LS IV 40 LS 41 Mirel 42 NEXTEO 43 PZB 44 PZB90 45 SCMT 46 SHP 47 SIFA 48 STM ASFA 49 STM LZB 50 TBL 1 51 TBL 2 52 TVM 300 53 TVM 430 54 ZUB
source	<pre> <xs:simpleType name="TrainCC_SystemCode"> <xs:annotation> <xs:documentation>Type of Train Control System</xs:documentation> Identifies the command control system of the train in coded values. 1 ALSN 2 ASFA 3 ATB 1st Gen 4 ATB Next Gen 5 ATC 6 ATP 7 CIR 1 (traction unit is equipped with LZB CIR-ELKE I) 8 CIR 1+2 (traction unit is equipped with LZB CIR-ELKE I + II) 9 CIR 2 (traction unit is equipped with LZB CIR-ELKE II) 10 Crocodile 11 DAAT </pre>

12		EBICAB	700
13		EBICAB	900
14 EFA (all traction units/driving cabins of the train are equipped with an electronic drivers cab display (EFA))			
15	ETCS	L1	LS plus EuroZUB
16 ETCS L1 SRS 2.3.0d (traction unit is equipped with ETCS Level 1 version 2.3.0d)			
17	ETCS L2 SRS 2.3.0d (traction unit is equipped with ETCS Level 2 version 2.3.0d)		
18	ETCS L2 SRS 3.3.0 (traction unit is equipped with ETCS Level 2 version 3.3.0)		
19	ETCS L2 SRS 3.4.0 (traction unit is equipped with ETCS Level 2 version 3.4.0)		
20	ETCS L2 SRS 3.6.0 (traction unit is equipped with ETCS Level 2 version 3.6.0)		
21	ETCS	Level	0
22	ETCS	Level	1
23	ETCS	Level	2
24	ETCS	Level	3
25	ETCS	Level	NSC
26			EVM
27		Indusi	54
28	Indusi	60	R
29	Indusi	PZ	80
30			KBS-E
31			KCVB
32			KCVP
33			KVB
34			KVBP
35			LS
36		LS	90
37		LS	I
38		LS	III
39		LS	IV
40			LZB
41			Mirel
42			NEXTEO
43			PZB
44			PZB90
45			SCMT
46			SHP
47			SIFA
48		STM	ASFA
49		STM	LZB
50		TBL	1
51		TBL	2
52		TVM	300
53		TVM	430
54		ZUB	</xs:documentation>
</xs:annotation>			
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<xs:enumeration value="01"/>			
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<xs:enumeration value="06"/>			
<xs:enumeration value="07"/>			

	<pre> <xs:enumeration value="08"/> <xs:enumeration value="09"/> <xs:enumeration value="10"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/> <xs:enumeration value="13"/> <xs:enumeration value="14"/> <xs:enumeration value="15"/> <xs:enumeration value="16"/> <xs:enumeration value="17"/> <xs:enumeration value="18"/> <xs:enumeration value="19"/> <xs:enumeration value="20"/> <xs:enumeration value="21"/> <xs:enumeration value="22"/> <xs:enumeration value="23"/> <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="30"/> <xs:enumeration value="31"/> <xs:enumeration value="32"/> <xs:enumeration value="33"/> <xs:enumeration value="34"/> <xs:enumeration value="35"/> <xs:enumeration value="36"/> <xs:enumeration value="37"/> <xs:enumeration value="38"/> <xs:enumeration value="39"/> <xs:enumeration value="40"/> <xs:enumeration value="41"/> <xs:enumeration value="42"/> <xs:enumeration value="43"/> <xs:enumeration value="44"/> <xs:enumeration value="45"/> <xs:enumeration value="46"/> <xs:enumeration value="47"/> <xs:enumeration value="48"/> <xs:enumeration value="49"/> <xs:enumeration value="50"/> <xs:enumeration value="51"/> <xs:enumeration value="52"/> <xs:enumeration value="53"/> <xs:enumeration value="54"/> </pre>
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simpleType TypeOfIMHarmonizationCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of xs:string
properties	base xs:string

simpleType **TypeOfInformationCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1		
type	restriction of xs:integer		
properties	base xs:integer		
facets	Kind	Value	Annotation
	minInclusive	0	
	maxInclusive	99	
	enumeration	1	documentation harmonisation - in process
	enumeration	2	documentation harmonisation - accepted
	enumeration	3	documentation harmonisation - rejected
	enumeration	4	documentation Request ready
	enumeration	5	documentation path study request
	enumeration	6	documentation pre-arranged path/reserve capacity
	enumeration	7	documentation create offer
	enumeration	8	documentation coordination update
	enumeration	9	documentation draft offer
	enumeration	10	documentation draft alternative offer
	enumeration	11	documentation observation - in process
	enumeration	12	documentation observation - complete
	enumeration	13	documentation preparation of final offer - in process
	enumeration	14	documentation preparation of final offer - accepted
	enumeration	15	documentation preparation of final offer - rejected
	enumeration	16	documentation final offer

	enumeration 17	documentation final offer - accepted
	enumeration 18	documentation alternative offer accepted
	enumeration 19	documentation pre-accepted offer
	enumeration 20	documentation Final Offer rejected
	enumeration 21	documentation no alternative available
	enumeration 22	documentation booked
	enumeration 23	documentation preparation of draft alternative offer is in progress
	enumeration 24	documentation alternative offer triggered by IM
	enumeration 25	documentation offer/final offer rejected (without revision)
	enumeration 26	documentation alternative offer rejected (without revision)
	enumeration 27	documentation offer/final offer rejected (revision required)
	enumeration 28	documentation alternative offer rejected (revision required)
	enumeration 29	documentation withdrawal
	enumeration 30	documentation Create Dossier
	enumeration 31	documentation Close Dossier
	enumeration 32	documentation Path canceled full
	enumeration 33	documentation Path canceled partial
	enumeration 40	documentation Fully Assembled Path (FAP, constructed path)
	enumeration 42	documentation Preparation of draft offer – accepted
	enumeration 43	documentation Preparation of draft offer – rejected
	enumeration 44	documentation Draft offer rejected
	enumeration 45	documentation Draft no alternative available
	enumeration 50	documentation activate path (utilisation notification)
	enumeration 51	documentation deactivate path (utilisation notification)
	enumeration 52	documentation confirmation of utilisation notification
	enumeration 53	documentation Path and train cancelled
annotation	documentation	Enumeration indicating to which process step / process type in the planning does the message belong:
	01 harmonisation	- in process
	02 harmonisation	- accepted
	03 harmonisation	- rejected
	04 harmonisation	- completed
	05 path	study request
	06 pre-arranged	path/reserve capacity
	07 create	offer update
	08 coordination	offer offer
	09 draft	
	10 draft	alternative

	11	observation	-	-	in	process
	12	observation	-	-	complete	
	13	preparation	of	final	offer	process
	14	preparation	of	final	offer	accepted
	15	preparation	of	final	offer	rejected
	16	final	-	-	-	offer
	17	final	offer	-	-	accepted
	18	alternative	-	offer	-	accepted
	19	-	-	Final	pre-accepted	offer
	20	-	-	no	Offer	rejected
	21	-	-	-	alternative	available
	22	-	-	-	-	booked
	23	preparation	of	draft	alternative	progress
	24	Preparation	of	draft	offer	accepted
	25	offer/final	offer	rejected	(without	revision)
	26	alternative	offer	rejected	(without	revision)
	27	offer/final	offer	rejected	(revision	required)
	28	alternative	offer	rejected	(revision	required)
	31	Close	-	-	-	Dossier
	30	Create	-	-	-	Dossier
	40	-	Fully	Assembled	Path	constructed
	42	Preparation	of	draft	(FAP,	path)
	43	Preparation	of	draft	offer	accepted
	44	-	Draft	-	offer	rejected
	45	-	Draft	no	alternative	rejected
	50	activate	path	-	(utilisation	available
	51	deactivate	path	-	(utilisation	notification)
	52	confirmation	of	-	utilisation	notification)
	53	Path	and	-	train	notification
						cancelled
source	<pre> <xssimpleType name="TypeOfInformationCode"> <xssannotation> <xsddocumentation> Enumeration indicating to which process step / process type in the planning does the message belong: harmonisation - in process harmonisation - accepted harmonisation - rejected harmonisation - completed path study request pre-arranged path/reserve capacity create offer coordination update draft offer draft alternative offer observation - in process observation - complete preparation of final offer - in process preparation of final offer - accepted preparation of final offer - rejected final offer - offer final alternative offer - accepted alternative offer - accepted - Final pre-accepted offer - rejected no alternative available booked - preparation of draft alternative offer is in progress Preparation of draft offer - accepted offer/final offer rejected (without revision) alternative offer rejected (without revision) </xsddocumentation> </xssannotation> </xssimpleType> </pre>					

	27 - offer/final 28 - alternative 31 Close 30 Create 40 - Preparation 42 - Preparation 43 - Draft 44 - Draft 45 - Draft 50 activate 51 deactivate 52 confirmation 53 Path	offer offer Rejected Rejected Fully Assembled Path (FAP, constructed path) of draft offer - accepted of draft offer - rejected Draft offer rejected no alternative available (utilisation notification) (utilisation notification) utilisation notification and train cancelled	(revision required) (revision required) Dossier Dossier accepted rejected rejected available notification notification notification cancelled
	</xs:documentation> </xs:annotation> <xs:restriction <xs:maxInclusive <xs:minInclusive <xs:enumeration <xs:annotation> <xs:documentation>harmonisation - in process</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>harmonisation - accepted</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>harmonisation - rejected</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Request ready</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>path study request</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>pre-arranged path/reserve capacity</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>create offer</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>coordination update</xs:documentation> </xs:annotation>	base="xs:integer"> value="99"/> value="0"/> value="1"> value="2"> value="3"> value="4"> value="5"> value="6"> value="7"> value="8">	

	<pre> </xs:enumeration> <xs:enumeration value="9"> <xs:annotation> <xs:documentation>draft offer</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="10"> <xs:annotation> <xs:documentation>draft alternative offer</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="11"> <xs:annotation> <xs:documentation>observation - in process</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="12"> <xs:annotation> <xs:documentation>observation - complete</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="13"> <xs:annotation> <xs:documentation>preparation of final offer - in process</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="14"> <xs:annotation> <xs:documentation>preparation of final offer - accepted</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="15"> <xs:annotation> <xs:documentation>preparation of final offer - rejected</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="16"> <xs:annotation> <xs:documentation>final offer</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="17"> <xs:annotation> <xs:documentation>final offer - accepted</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="18"> <xs:annotation> <xs:documentation>alternative offer accepted</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="19"> <xs:annotation> <xs:documentation>pre-accepted offer</xs:documentation> </xs:annotation> </pre>
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	<pre> </xs:enumeration> <xs:enumeration value="30"> <xs:annotation> <xs:documentation>Create Dossier</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="31"> <xs:annotation> <xs:documentation>Close Dossier</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="32"> <xs:annotation> <xs:documentation>Path canceled full</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="33"> <xs:annotation> <xs:documentation>Path canceled partial</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="40"> <xs:annotation> <xs:documentation>Fully Assembled Path (FAP, constructed path)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="42"> <xs:annotation> <xs:documentation>Preparation of draft offer - accepted</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="43"> <xs:annotation> <xs:documentation>Preparation of draft offer - rejected</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="44"> <xs:annotation> <xs:documentation>Draft offer rejected</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="45"> <xs:annotation> <xs:documentation>Draft no alternative available</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="50"> <xs:annotation> <xs:documentation>activate path (utilisation notification)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="51"> <xs:annotation> <xs:documentation>deactivate path (utilisation) </xs:annotation> </xs:enumeration> </pre>
--	--

	<pre> notification)<!--xs:documentation--> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>confirmation value="52"> </xs:annotation> notification)<!--xs:documentation--> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Path and train cancelled </xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType></pre>	of utilisation
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simpleType TypeOfRequestCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1																	
type	restriction of xs:short																	
properties	base xs:short																	
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>3</td> <td></td> </tr> </tbody> </table>			Kind	Value	Annotation	minInclusive	1		enumeration	1		enumeration	2		enumeration	3	
Kind	Value	Annotation																
minInclusive	1																	
enumeration	1																	
enumeration	2																	
enumeration	3																	
annotation	<p>documentation</p> <p>Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3)</p>																	
source	<pre> <xs:simpleType name="TypeOfRequestCode"> <xs:annotation> <xs:documentation> Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3)</xs:documentation> </xs:annotation> <xs:restriction base="xs:short"> <xs:minInclusive value="1"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> </xs:restriction> </xs:simpleType></pre>																	

simpleType TypeOfRUHarmonizationCode

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type	restriction of xs:string											
properties	base xs:string											
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Kind	Value	Annotation										
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enumeration	Part											

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simpleType UnitType

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	41	Road	tractor		
	42	Lorry	without	trailer	
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attribute **LocationSubsidiaryTypeCode**

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	enumeration 11	documentation The location where two tracks meet or diverge. documentation Grade Crossing documentation
	enumeration 12	The location where two tracks on the same level cross each other. documentation Section of the track documentation
	enumeration 13	Section is inside of the location considered part of a track. documentation Twin track point documentation
	enumeration 14	The spot where is end or start of the twinned track section. documentation Retarder (rail brake) documentation
	enumeration 15	Trackside equipment to control the speed of the wagons running from the shunting hump. documentation Platform documentation
	enumeration 16	The area next to the track which has been raised to make access to railway vehicles easier. documentation Railing documentation
	enumeration 17	barrier Safety equipment used to prevent access to the track by people and animals. documentation Movable scotch block documentation
	enumeration 18	Safety equipment across the track avoiding any unnecessary moving beyond that point. documentation Derailing stop / Trap points / Catch points documentation
	enumeration 19	Safety equipment is on one rail avoiding any unnecessary moving beyond that point. documentation Loading equipment documentation
	enumeration 20	Special equipment to facilitate the loading and unloading on the Public Loading Places. documentation Weighbridge documentation
	enumeration 21	Special equipment is to facilitate the measure of the weight of the wagon. documentation Building documentation
	enumeration 22	Those buildings where IM placed his staff for direct communication with RU staff or the IM buildings serve RU activities as well. documentation Level crossing documentation
	enumeration 23	Place where rail and road crossing in level. on the same level (grade) documentation Bridge documentation
	enumeration 24	Special built structure is over the road documentation Tunnel documentation
	enumeration 25	Structure to allow a railway line to pass under the surface. documentation Underpass documentation Undercrossing or underground passage under the railway track. (Not used by trains)

	enumeration 26	documentation Block section documentation Block section outside of the location with primary code. In other words: a section on the open track between stations defined by signalling system.
	enumeration 27	documentation Signal documentation A signal is a mechanical or electrical device erected beside a railway line to pass information relating to the state of the line ahead to train drivers/engineers.
	enumeration 28	documentation Sign and board documentation Equipment to inform the board staff for train traffic and shunting.
	enumeration 29	documentation Phase break documentation Border of the power supply systems (catenary).
	enumeration 30	documentation Leap in kilometer documentation The section has deviation in length i. e. the section more or less than called.
	enumeration 32	documentation Balise documentation A balise is an electronic beacon or transponder placed between the rails of a railway as part of an Automatic Train Protection (ATP) system.
	enumeration 33	documentation Hot spot detector documentation Trackside equipment which detects hot wheels or axle-box on passing trains.
	enumeration 34	documentation Flat wheel detector documentation Trackside equipment which detects flat spots on wheels on passing trains.
	enumeration 35	documentation Dynamic wheel load documentation detector Special equipment is in trackside for inspect of the overloaded wagons.
	enumeration 36	documentation Freight yard documentation A freight yard is commercial usage of a physical location which can be used as a sending or a destination station in freight orders of rail freight transports. The freight yard can have his own codification
	enumeration 37	documentation Loading point documentation A loading point is a commercial usage of a physical location. Each loading point is assigned to a yard.
	enumeration 38	documentation IM Network link documentation It allows to link two locations from different IM Networks
	enumeration 39	documentation Reservation code documentation Metastation
	enumeration 40	documentation To mark a meta location that forms the link between different stations that are considered as equal (for the traveller)
	enumeration 41	documentation CompanySpecificIdentifier documentation

	enumeration 42	Company specific identifier of the primary location documentation	
		DIUM stations - Places of acceptance/delivery Station open into international traffic of goods (tariff point included in DIUM) – consignment acceptance/delivery station (loading points are excluded and covered by TypeCode 37).	
	enumeration 43	documentation	Passengers cars public loadingIs a type of physical location on the open access network where passengers can put their car on a train carrying
	enumeration 44	documentation	Passengers cars private loading Is a type of physical location outside the open access network where passengers can put their car on a train carrying
	enumeration 45	documentation	- disposal Sewage dump of Place for cleaning purposes the waste
	enumeration 46	documentation	takes Refuelling Point Location where refuelling place
	enumeration 47	documentation	supply can be provided for Mains Supply the rolling Location where energy stock e.g. preheating
	enumeration 48	documentation	supply can be provided for Water Supply the rolling Location where water stock
	enumeration 49	documentation	motion stabled with external Compressed plant air supply Train on a track with
	enumeration 50	documentation	interior Indoor cleaning platform Cleaning point -
	enumeration 51	documentation	Car-wash plant Cleaning point -outdoor
	enumeration 52	documentation	Short dry-cleaning track Cleaning point
	enumeration 53	documentation	

					Pollution protective plate of the	Track earth	where below
		floor that avoids pollution					
enumeration	54	documentation			Sand-filling station	Location	where sand is filled
enumeration	55	documentation	train/wagon/engine	Repair track can	Location be	where a	repaired
enumeration	56	documentation	containing	Signal box signalling	The location of a building equipment		
enumeration	57	documentation Intermodal Terminal documentation	Intermodal Terminal is a location which provides the space, equipment and operational environment under which the transfer of loading units (freight containers, swap bodies, semi-trailers or trailers) takes place				
enumeration	58	documentation OSJD system based location documentation					
enumeration	59	Location code used within OSJD documentation	Train Service Substitute Stop documentation				
enumeration	60	Place outside of railway station or railway stop, where passengers board or leave bus or any other transport mean as substitution of train service. Physical part of Primary Location. documentation	Multifunctional rail terminal documentation				
enumeration	61	Facilities for conventional and/or intermodal rail/road transshipment principally open for public use and for all types of cargo. This kind of facility does not only provide transshipment, but also additional services like storage, consignment or road pre/end haulage. Physical part of Primary Location. documentation	Relief facility documentation				
enumeration	66	Facilities providing equipment and infrastructure used to overcome a disruption (derailment, collision or other accidents). Physical part of Primary Location. documentation	Location ENEE Code documentation				
enumeration	70	Legacy ENEE code of the parent primary location. Different coding of primary location. documentation	Network Border documentation				
enumeration	71	Network border between two neighboring IM's; first or last Primary Location on a network. Attribute of primary location. documentation	State border documentation				
enumeration	72	Political border between two member states. Attribute of primary location. documentation	Administrative border documentation				
		Border point inside a member state to define federal structures or administrative districts or local areas. Attribute of primary location.					

	enumeration 74	documentation Operational handover documentation Location where the responsibility for operation changes or can change between two involved IMs. Attribute of primary location.
	enumeration 75	documentation Planning handover documentation Location where the responsibility for timetable planning and path allocation changes or can change between two involved IMs. Attribute of primary location.
	enumeration 76	documentation Other technical facility documentation All technical installations and services that are not included in other facility types. E.g. Pre heating, de icing, air conditioning, Washing/cleaning of rolling stock, Disinfection of rolling stock, Sewage removal and Stationary brake test facilities. Physical part of Primary Location.
	enumeration 90	documentation Test Loc
	enumeration 99	documentation Relation to Station documentation An indicator used to show that this location is a subsidiary of another location.
annotation	documentation New codes added: 42 DIUM stations - Places of acceptance/delivery Station open into international traffic of goods (tariff point included in DIUM) – consignment acceptance/delivery station (loading points are excluded and covered by TypeCode 37). 43 Passengers cars public loading Is a type of physical location on the open access network where passengers can put their car on a carrying train 44 Passengers cars private loading Is a type of physical location outside the open access network where passengers can put their car on a carrying train 45 Sewage dump Place for cleaning purposes - disposal of the waste 46 Refuelling Point Location where refuelling takes place 47 Mains Supply Location where energy supply can be provided for the rolling stock e.g. preheating 48 Water Supply Location where water supply can be provided for the rolling stock 49 Compressed plant Train on a track with motion stabled with external air supply for braking systems 50 Indoor cleaning platform Cleaning point -interior 51 Car-wash plant Cleaning point -outdoor 52 Short dry-cleaning track Cleaning point 53 Pollution protective plate Track where floor that avoids pollution of the earth below 54 Sand-filling station Location where sand is filled 55 Repair track Location where a train/wagon/engine can be repaired 56 Signal box The location of a building containing signalling equipment 58 OSJD system based location 59 Train Service Substitute Stop 60 Multifunctional rail terminal 61 Relief facility 70 Network 71 State 72 border 74 Administrative border 75 Operational border 76 Planning handover 76 Other technical facility	
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46	Refuelling Point Location where refuelling takes place			
47	Mains Supply Location where energy supply can be provided for the rolling stock e.g. preheating			
48	Water Supply Location where water supply can be provided for the rolling stock			
49	Compressed plant Train on a track with motion stabled with external air supply for braking systems			
50	Indoor cleaning platform Cleaning point -interior			
51	Car-wash plant Cleaning point -outdoor			
52	Short dry-cleaning track Cleaning point			
53	Pollution protective plate Track where floor that avoids pollution of the earth below			
54	Sand-filling station Location where sand is filled			
55	Repair track Location where a train/wagon/engine can be repaired			
56	Signal box The location of a building containing signalling equipment system based location			
58	OSJD	Train Service Substitute Stop Multifunctional rail terminal Relief facility Network Border State border Administrative border Operational handover Planning handover technical facility		
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74				
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76	Other			
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 <xs:enumeration value="6">
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 <xs:documentation>Public Loading Places</xs:documentation>
 <xs:documentation>Is a type of physical location on the open access network where consignor or consignee can load or unload wagons</xs:documentation>
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 <xs:annotation>
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 <xs:documentation>Is a type of physical location outside the open access network where consignor or consignee can load or unload wagons</xs:documentation>
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 <xs:annotation>
 <xs:documentation>IM Path Tariff Point</xs:documentation>
 <xs:documentation>Price Segment change between two IM Networks.</xs:documentation>
 </xs:annotation>
 </xs:enumeration>
 <xs:enumeration value="9">
 <xs:annotation>
 <xs:documentation>Depot / Maintenance workshop. Place for overhaul or maintenance of the rolling stock.</xs:documentation>
 </xs:annotation>
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 <xs:enumeration value="10">
 <xs:annotation>
 <xs:documentation>Switch/turnout</xs:documentation>
 <xs:documentation>The location where two tracks meet or diverge.</xs:documentation>
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	<pre> <xs:annotation> <xs:documentation>Grade Crossing</xs:documentation> <xs:documentation>The location where two tracks on the same level cross each other.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="12"> <xs:annotation> <xs:documentation>Section of the track</xs:documentation> <xs:documentation>Section is inside of the location considered part of a track.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="13"> <xs:annotation> <xs:documentation>Twin track point</xs:documentation> <xs:documentation>The spot where is end or start of the twinned track section.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="14"> <xs:annotation> <xs:documentation>Retarder (rail brake)</xs:documentation> <xs:documentation>Trackside equipment to control the speed of the wagons running from the shunting hump.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="15"> <xs:annotation> <xs:documentation>Platform</xs:documentation> <xs:documentation>The area next to the track which has been raised to make access to railway vehicles easier.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="16"> <xs:annotation> <xs:documentation>Railing</xs:documentation> <xs:documentation>barrier Safety equipment used to prevent access to the track by people and animals.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="17"> <xs:annotation> <xs:documentation>Movable scotch block</xs:documentation> <xs:documentation>Safety equipment across the track avoiding any unnecessary moving beyond that point.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="18"> <xs:annotation> <xs:documentation>Derailing stop / Trap points / Catch points</xs:documentation> <xs:documentation>Safety equipment is on one rail avoiding any unnecessary moving beyond that point.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="19"> <xs:annotation> </pre>
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	<pre> <xs:documentation>Loading equipment</xs:documentation> <xs:documentation>Special equipment to facilitate the loading and unloading on the Public Loading Places.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Weighbridge</xs:documentation> <xs:documentation>Special equipment is to facilitate the measure of the weight of the wagon.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Building</xs:documentation> <xs:documentation>Those buildings where IM placed his staff for direct communication with RU staff or the IM buildings serve RU activities as well.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Level crossing</xs:documentation> <xs:documentation>Place where rail and road crossing in level. on the same level (grade)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Bridge</xs:documentation> <xs:documentation>Special built structure is over the road</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Tunnel</xs:documentation> <xs:documentation>Structure to allow a railway line to pass under surface.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Underpass</xs:documentation> <xs:documentation>Undercrossing or underground passage under the railway track. (Not used by trains)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Block section</xs:documentation> <xs:documentation>Block section outside of the location with primary code. In other words: a section on the open track between stations defined by signalling system.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation></pre>
--	--

	<pre> <xs:documentation>Signal</xs:documentation> <xs:documentation>A signal is a mechanical or electrical device erected beside a railway line to pass information relating to the state of the line ahead to train drivers/engineers.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="28"> <xs:annotation> <xs:documentation>Sign and board</xs:documentation> <xs:documentation>Equipment to inform the board staff for train traffic and shunting.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="29"> <xs:annotation> <xs:documentation>Phase break</xs:documentation> <xs:documentation>Border of the power supply systems (catenary).</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="30"> <xs:annotation> <xs:documentation>Leap in kilometer</xs:documentation> <xs:documentation>The section has deviation in length i. e. the section more or less than called.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="32"> <xs:annotation> <xs:documentation>Balise</xs:documentation> <xs:documentation>A balise is an electronic beacon or transponder placed between the rails of a railway as part of an Automatic Train Protection (ATP)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="33"> <xs:annotation> <xs:documentation>Hot spot detector</xs:documentation> <xs:documentation>Trackside equipment which detects hot wheels or axle-box on passing trains.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="34"> <xs:annotation> <xs:documentation>Flat wheel detector</xs:documentation> <xs:documentation>Trackside equipment which detects flat spots on wheels on passing trains.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="35"> <xs:annotation> <xs:documentation>Dynamic wheel load</xs:documentation> <xs:documentation>detector Special equipment is in trackside for inspect of the overloaded wagons.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="36"> <xs:annotation> </pre>
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	<pre> <xs:documentation>Freight yard</xs:documentation> <xs:documentation>A freight yard is commercial usage of a physical location which can be used as a sending or a destination station in freight orders of rail freight transports. The freight yard can have his own codification</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="37"> <xs:annotation> <xs:documentation>Loading point</xs:documentation> <xs:documentation>A loading point is a commercial usage of a physical location. Each loading point is assigned to a yard.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="38"> <xs:annotation> <xs:documentation>IM Network link</xs:documentation> <xs:documentation>It allows to link two locations from different IM Networks</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="39"> <xs:annotation> <xs:documentation>Reservation code</xs:documentation> <xs:documentation/> </xs:annotation> </xs:enumeration> <xs:enumeration value="40"> <xs:annotation> <xs:documentation>Metastation</xs:documentation> <xs:documentation>To mark a meta location that forms the link between different stations that are considered as equal (for the traveller)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="41"> <xs:annotation> <xs:documentation>CompanySpecificIdentifier</xs:documentation> <xs:documentation>Company specific identifier of the primary location</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="42"> <xs:annotation> DIUM stations - Places of acceptance/delivery Station open into international traffic of goods (tariff point included in DIUM) - consignment acceptance/delivery station (loading points are excluded and covered by TypeCode 37). </xs:annotation> </xs:enumeration> <xs:enumeration value="43"> <xs:annotation> <xs:documentation>Passengers cars public loading Is a type of physical location on the open access network where passengers can put their </xs:annotation> </xs:enumeration> </pre>
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	car	on	a	carrying	train
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			the waste		
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			<xs:enumeration		<i>value="46"></i>
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			Refuelling Point Location where refuelling takes		
			place		
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			</xs:annotation>		
			</xs:enumeration>		
			<xs:enumeration		<i>value="47"></i>
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			<xs:enumeration		<i>value="48"></i>
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			provided for the rolling stock		
			</xs:documentation>		
			</xs:annotation>		
			</xs:enumeration>		
			<xs:enumeration		<i>value="49"></i>
			<xs:annotation>		
			<xs:documentation>		
			Compressed plant Train on a track with motion		
			stabled with external air supply for braking systems		
			</xs:documentation>		
			</xs:annotation>		
			</xs:enumeration>		
			<xs:enumeration		<i>value="50"></i>
			<xs:annotation>		
			<xs:documentation>		
			Indoor cleaning platform Cleaning point -interior		
			</xs:documentation>		

	<pre> </xs:annotation> </xs:enumeration> <xs:enumeration value="51"> <xs:annotation> <xs:documentation> Car-wash plant Cleaning point -outdoor </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="52"> <xs:annotation> <xs:documentation> Short dry-cleaning track Cleaning point </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="53"> <xs:annotation> <xs:documentation> Pollution protective plateTrack where floor that avoids pollution of the earth below </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="54"> <xs:annotation> <xs:documentation> Sand-filling station Location where sand is filled </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="55"> <xs:annotation> <xs:documentation> Repair track Location where a train/wagon/engine can be repaired </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="56"> <xs:annotation> <xs:documentation> Signal box The location of a building containing signalling equipment </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="57"> <xs:annotation> <xs:documentation> Intermodal Terminal <xs:documentation>Intermodal Terminal is a location which provides the space, equipment and operational environment under which the transfer of loading units (freight containers, swap bodies, semi-trailers or trailers) takes place </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="58"> <xs:annotation> <xs:documentation> ... </xs:documentation> </xs:annotation> </xs:enumeration> </pre>
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<xs:annotation>
  <xs:documentation>OSJD system based location</xs:documentation>
  <xs:documentation>Location code used within OSJD</xs:documentation>
</xs:annotation>
</xs:enumeration>
<xs:enumeration value="59">
  <xs:annotation>
    <xs:documentation>Train Service Substitute Stop</xs:documentation>
    <xs:documentation>Place outside of railway station or railway stop, where passengers board or leave bus or any other transport mean as substitution of train service. Physical part of Primary Location.</xs:documentation>
  </xs:annotation>
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    <xs:documentation>Multifunctional rail terminal</xs:documentation>
    <xs:documentation>Facilities for conventional and/or intermodal rail/road transshipment principally open for public use and for all types of cargo. This kind of facility does not only provide transshipment, but also additional services like storage, consignment or road pre/end haulage. Physical part of Primary Location.</xs:documentation>
  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="61">
  <xs:annotation>
    <xs:documentation>Relief facility</xs:documentation>
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  </xs:annotation>
</xs:enumeration>
<xs:enumeration value="66">
  <xs:annotation>
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    <xs:documentation>Legacy ENEE code of the parent primary location. Different coding of primary location.</xs:documentation>
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    <xs:documentation>Network border between two neighboring IM's; first or last Primary Location on a network. Attribute of primary location.</xs:documentation>
  </xs:annotation>
</xs:enumeration>
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    <xs:documentation>Political border between two member states. Attribute of primary location.</xs:documentation>
  </xs:annotation>
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  <xs:annotation>
    <xs:documentation>Administrative border</xs:documentation>
    <xs:documentation>Border point inside a member state to define federal structures or administrative districts or local areas. Attribute of
  </xs:annotation>
</xs:enumeration>

```

	<p>primary</p> <pre> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Operational handover</xs:documentation> <xs:documentation>Location where the responsibility for operation changes or can change between two involved IMs. Attribute of primary location.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Planning handover</xs:documentation> <xs:documentation>Location where the responsibility for timetable planning and path allocation changes or can change between two involved IMs. Attribute of primary location.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Other technical facility</xs:documentation> <xs:documentation>All technical installations and services that are not included in other facility types. E.g. Pre heating, de icing, air conditioning, Washing/cleaning of rolling stock, Disinfection of rolling stock, Sewage removal and Stationary brake test facilities. Physical part of Primary Location.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Test Loc</xs:documentation> <xs:documentation/> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Relation to Station</xs:documentation> <xs:documentation>An indicator used to show that this location is a subsidiary of another location.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:attribute></pre>
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attribute **TimingQualifierCode**

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type	restriction of xs:token		
facets	Kind	Value	Annotation
	enumeration	PLA	
	enumeration	PLD	
	enumeration	ELA	
	enumeration	ELD	

	enumeration LLA enumeration LLD enumeration ALA enumeration ALD
annotation	<p>documentation</p> <p>PLA = Public Location Arrival ELA = Earliest Location Arrival ALA = Actual Location Arival LLA = Latest Location Arrival PLD = Public Location Departure ELD = Earliest Location Departure ALD = Actual Location Departure LLD = Latest Location Departure</p>
source	<pre> <xs:attribute name="TimingQualifierCode"> <xs:annotation> <xs:documentation> PLA = Public Location Arrival ELA = Earliest Location Arrival ALA = Actual Location Arival LLA = Latest Location Arrival PLD = Public Location Departure ELD = Earliest Location Departure ALD = Actual Location Departure LLD = Latest Location Departure </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="PLA"/> <xs:enumeration value="PLD"/> <xs:enumeration value="ELA"/> <xs:enumeration value="ELD"/> <xs:enumeration value="LLA"/> <xs:enumeration value="LLD"/> <xs:enumeration value="ALA"/> <xs:enumeration value="ALD"/> </xs:restriction> </xs:simpleType> </xs:attribute></pre>

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