

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

<i>Version</i>	<i>Date</i>	<i>Comments</i>
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

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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:\Projects\TAF-TSI\taf_cat_complete.xsd
attributeFormDefault:	unqualified
elementFormDefault:	qualified
targetNamespace:	http://www.era.europa.eu/schemes/TAFTSI/2.4

Elements	Complex types	Simple types	Attributes
AcceptanceInterchangePoint	CargoCodeType	CauseCode	CI
AcceptanceTimeAtInterchange	CompositeIdentifierOperationalType	CommunicationRefID	InstanceNumber
ActualEndDateDateTime	CompositeIdentifierPlannedType	CompanyCode	
ActualETA	ConsignmentIdent	CountryIdentISO	
ActualETI	CustomerCode	DeltaTime	
AdditionalInstruction	DanGoodsType	DerailmentDetectionDevice	
Address	DimensionValue	EquipmentNumberType	
AdministrativeContactInformation	LocationIdent	EquipmentTypeType	
AffectedSection	TrainActivityType	ForwardingRestrictionType	
AgainstBooked	ValidityPeriod	FreeText	
AgainstReferenced		Name	
AgreedTimeOfDelivery		NHMCodeType	
AirBrake		Numeric1-5	
AirBrakedMass		Numeric1-6	

AlertMessage	Numeric2-2
AllocationCompany	Numeric3-3
ArrivalAtDestination	Numeric4-4
ArrivalInterchangeReport	Speed
ArrivalTimeAtDestination	String1-10
ArrivalTimeAtLocation	String1-14
ArrivalTimeAtLocationActual	String1-5
ArrivalTrackAtLocation	String1-7
AssociatedAttachedOTN	String1-8
AssociatedAttachedTrainID	String5-5
BogiePitch	String5-8
BookedLocationDateTime	Time
BrakeWeight	VolumeValue
BrakingRatio	WagonIdent
CauseDescription	WeightValueKilo
CauseType	WeightValueTonne
ChangeofTrackMessage	
CityTown	
ClosingTime	
Coasting	
Comments	
CommitmentETA	
Company	
ConsignmentNumber	
ConsignementOrderMessage	
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](#)
[DeliveryInterchangePoint](#)
[DeliveryReference](#)
[DeliveryTimeAtDestination](#)
[DeliveryTimeAtInterchange](#)
[DepartureInterchangeReport](#)
[DepartureJourneyTrack](#)
[DepartureTimeAtLocation](#)
[DepartureTrackAtLocation](#)
[Destination](#)
[Dimensions](#)
[DwellTime](#)
[eMail](#)
[EmergencyBrakeOverride](#)
[EndDate](#)
[EndDateTime](#)
[EndLocation](#)
[ErrorMessage](#)
[EstimatedEndDateTime](#)
[ExceptionalGaugingCode](#)
[ExceptionalGaugingIdent](#)
[ExceptionalGaugingInd](#)
[ExceptionalGaugingProfile](#)
[ExceptionPoint](#)
[ExceptionReason](#)
[ExceptionTimeAtLocation](#)
[FaxNumber](#)
[FerryPermittedFlag](#)
[FreeTextField](#)
[FreightFlag](#)
[GeographicalCoordinates](#)
[GeographicCoordinates](#)
[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](#)[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](#)
[Name](#)
[NetworkSpecificParameter](#)
[NextIntermediateDestination](#)
[NextResponsibleRU](#)
[NHM_Code](#)
[Noise](#)
[NoiseByPassLimit](#)
[NumberOfAxles](#)
[NumberOfBogies](#)
[NumberOfVehicles](#)
[ObjectType](#)
[Offset](#)
[OnDemandPath](#)
[OperationalTrainNumber](#)
[OperationalTrainNumberIdentifier](#)
[OriginCountry](#)
[PassengerFlag](#)
[PathCanceledMessage](#)
[PathConfirmedMessage](#)
[PathDetailsMessage](#)
[PathDetailsRefusedMessage](#)
[PathInformation](#)
[PathNotAvailableMessage](#)
[PathRequestMessage](#)
[PermittedTolerance](#)
[PhoneNumber](#)
[PickupTimeAtLocation](#)
[PlannedCalendar](#)
[PlannedDateNextOverhaul](#)
[PlannedJourneyLocation](#)
[PlannedTrainData](#)
[PlannedTrainTechnicalData](#)
[PlannedTransportIdentifiers](#)
[PostalCode](#)
[PreArrangedPath](#)
[PreviousConsignmentNumber](#)
[PreviousResponsibleRU](#)
[PrimaryLocationName](#)

[ProductionStation](#)
[Quantity](#)
[ReceiptConfirmationMessage](#)
[Recipient](#)
[ReferencedLocationDateTime](#)
[ReferenceNumbers](#)
[ReferenceOTN](#)
[RefusalAtInterchange](#)
[RefusalTimeAtInterchange](#)
[RelatedIdentifier](#)
[RelatedPlannedTransportIdentifiers](#)
[RelatedReference](#)
[RelatedSenderReference](#)
[RelatedTransportOperationalIdentifiers](#)
[Remarks](#)
[RequestedCalendar](#)
[RequestedPeriod](#)
[RequestedTimeframe](#)
[ResponsibilityActualSection](#)
[ResponsibilityNextSection](#)
[ResponsibleApplicant](#)
[ResponsibleIM](#)
[ResponsibleRU](#)
[RestrictionsDueToLoadOrDamage](#)
[RevisedRequest](#)
[RID](#)
[RollingRoadUnit](#)
[RollingStockDataset](#)
[RollingStockDatasetMessage](#)
[RollingStockDatasetQueryMessage](#)
[RouteInformation](#)
[Routing](#)
[RP_Code](#)
[RU_Partner](#)
[ScheduledDateTimeAtTransfer](#)
[ScheduledTimeAtHandover](#)
[ScheduledTimeAtLocation](#)
[Seals](#)
[Sender](#)
[SenderReference](#)
[Ship](#)
[SpecialTreatments](#)
[StartDate](#)
[StartDateTime](#)
[StartLocation](#)
[Station](#)
[SummaryOFGoodsWithSameRID](#)
[TechnicalForwardingRestrictions](#)

[TimetableYear](#)
[TimingAtLocation](#)
[TotalLoadWeight](#)
[TotalWeight](#)
[TractionDetails](#)
[TractionPositionInTrain](#)
[TractionWeight](#)
[TrafficType](#)
[TrainActivity](#)
[TrainActivityType](#)
[TrainAtLocation](#)
[TrainCC System](#)
[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](#)
[WagonInterchangeNoticeMessage](#)
[WagonInterchangeSubNoticeMessage](#)
[WagonLength](#)
[WagonLocationStatus](#)
[WagonMaxSpeed](#)
[WagonNumberFreight](#)
[WagonNumberOfAxles](#)
[WagonOperationalData](#)
[WagonPickupAtOrigin](#)
[WagonReceivedAtInterchangeMessage](#)
[WagonRefusedAtInterchangeMessage](#)
[WagonReleaseNoticeMessage](#)
[Wagons](#)
[WagonTechData](#)
[WagonTrainPosition](#)
[WagonWeightEmpty](#)
[WagonYardArrivalMessage](#)
[WagonYardDepartureMessage](#)
[WeightOfSetOfCarriages](#)
[WheelDiameter](#)
[WheelsetGauge](#)
[Width](#)
[WIMO_Dataset](#)
[YardArrival](#)
[YardDeparture](#)

element AcceptanceInterchangePoint

diagram	<p>The place where the responsibility of a wagon is accepted and the date and time when the wagon responsibility of the wagon is accepted</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	Location AcceptanceTimeAtInterchange
used by	elements WagonInterchangeSubNoticeMessage WagonReceivedAtInterchangeMessage
annotation	documentation The place where the responsibility of a wagon is accepted and the date and time when the wagon responsibility of the wagon is accepted
source	<pre> <xs:element name="AcceptanceInterchangePoint"> <xs:annotation> <xs:documentation>The place where the responsibility of a wagon is accepted and the date and time when the wagon responsibility of the wagon is accepted</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="AcceptanceTimeAtInterchange"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element AcceptanceTimeAtInterchange

diagram	<p>Departure Date and Time or the handover Date and Time at an interchange point where the responsibility has changed to another RU</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
used by	element AcceptanceInterchangePoint
annotation	documentation Departure Date and Time or the handover Date and Time at an interchange point where the responsibility has changed to another RU
source	<pre> <xs:element name="AcceptanceTimeAtInterchange" type="xs:dateTime"> <xs:annotation> <xs:documentation>Departure Date and Time or the handover Date and Time at an interchange point where the responsibility has changed to another RU</xs:documentation> </xs:annotation> </xs:element></pre>

	</xs:element>
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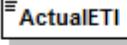
element ActualEndTime

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/2.4
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/2.4
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/2.4
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/2.4
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/2.4
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 composite element represented by a rectangle with three horizontal ports. The first port is solid, the middle one is dashed, and the third is solid. To the right of the element, six dashed ovals represent its children: <code>Name</code>, <code>Address</code>, <code>eMail</code>, <code>PhoneNumber</code>, <code>FaxNumber</code>, and <code>FreeTextField</code>. Each child has a descriptive text box below it: "Generic Name in Free Text" for <code>Name</code>, "Generic postal address in clear text" for <code>Address</code>, "Generic eMail address in Free text" for <code>eMail</code>, "Generic Phone number in Free text" for <code>PhoneNumber</code>, "Generic Fax number in Free text" for <code>FaxNumber</code>, and "Free Text" for <code>FreeTextField</code>.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	Name Address eMail PhoneNumber FaxNumber FreeTextField
used by	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:sequence> </xs:complexType> </xs:element></pre>

	<pre> <xs:element <xs:annotation> <xs:sequence> <xs:element ref="FaxNumber"/> <xs:element ref="FreeTextField"/> </xs:sequence> </xs:complexType> </xs:element></pre>	
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element AffectedSection

diagram	<p>The diagram shows the UML class AffectedSection connected to four other classes: StartOfSection, EndOfSection, OperationalTrainNumber, PlannedCalendar, and NetworkSpecificParameter. OperationalTrainNumber and PlannedCalendar are enclosed in dashed boxes. NetworkSpecificParameter is also enclosed in a dashed box and has a multiplicity of 0..∞.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	StartOfSection EndOfSection OperationalTrainNumber PlannedCalendar NetworkSpecificParameter
used by	elements PathCanceledMessage PathConfirmedMessage PathDetailsRefusedMessage PathNotAvailableMessage ReceiptConfirmationMessage
annotation	documentation 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
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 cancellation 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 name="BookedLocationTime" type="xs:time" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> </xs:element> <xs:element <xs:complexType> <xs:complexContent> <xs:extension <xs:sequence <xs:element ref="BookedLocationDateTime" minOccurs="0"/> <xs:element name="BookedLocationTime" type="xs:time" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> <xs:element ref="OperationalTrainNumber" minOccurs="0"/> <xs:element ref="PlannedCalendar"/> <xs:element ref="NetworkSpecificParameter" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element **AffectedSection/StartOfSection**

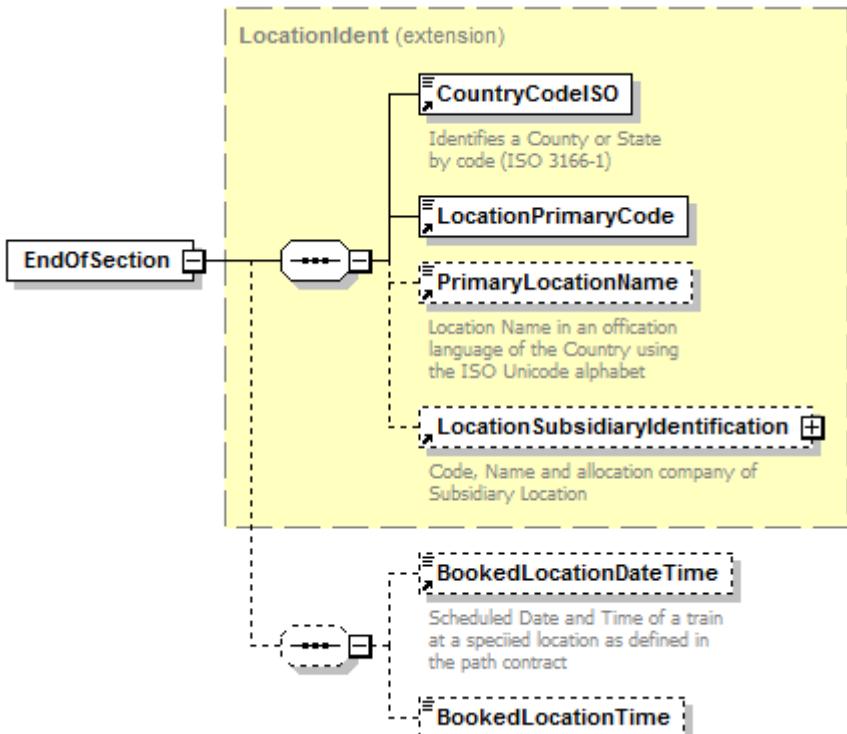
diagram	<pre> classDiagram class StartOfSection { <<LocationIdent extension>> CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification BookedLocationDateTime BookedLocationTime } </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	extension of LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification BookedLocationDateTime BookedLocationTime
source	<code><xs:element name="StartOfSection"></code>

	<pre> <xss:complexType> <xss:complexContent> <xss:extension> <xss:sequence> <xss:element ref="BookedLocationDateTime" name="BookedLocationTime" type="xss:time"/> <xss:element minOccurs="0" name="BookedLocationTime" type="xss:time"/> </xss:sequence> </xss:extension> </xss:complexContent> </xss:complexType> </xss:element> </pre>
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element AffectedSection/StartOfSection/BookedLocationTime

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xss:time
properties	minOcc 0 maxOcc 1 content simple
source	<xss:element name="BookedLocationTime" type="xss:time" minOccurs="0"/>

element AffectedSection/EndOfSection

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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" name="BookedLocationTime" type="xs:time" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>

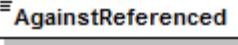
element AffectedSection/EndOfSection/BookedLocationTime

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:time
properties	minOcc 0 maxOcc 1 content simple
source	<pre><xs:element name="BookedLocationTime" type="xs:time" minOccurs="0"/></pre>

element AgainstBooked

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xs:documentation>Identifies the Delta delay time against the booked schedule in minutes</xs:documentation> </xs:annotation> </xs:element> </pre>

element AgainstReferenced

diagram	 AgainstReferenced Delay compared to the referenced Date/Time
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 The requested Date and Time for the delivery of a wagon/Shipment or Intermodal units at customer sidings
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 { <<AirBrake>> } class NumberOfBrakes { <<Number of air brakes>> } class BrakeSystem { <<Abbreviation of air brake system. Following values are examples: Kk; Dr; Bo; Hlk; Bd; Ch; O; KE; WE; DK; WU; WA; DM; MH; SW; KE 435; through brake pipe>> } class AirBrakeType { <<Classification of air brake, additional code: 8 No air brake or brake pipe The code is defined in UIC Leaflet 920-13.>> } class BrakingPowerVariationDevice { <<Coding in 404-2, chapter 1.8>> } class AirBrakedMass { <<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)>> } class LoadChangeDevice { <<0..>> <<Specific weights for change over air brake systems>> } class BrakeSpecialCharacteristics { <<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>> } AirBrake --> NumberOfBrakes AirBrake --> BrakeSystem AirBrake --> AirBrakeType AirBrake --> BrakingPowerVariationDevice AirBrake --> AirBrakedMass AirBrake --> LoadChangeDevice AirBrake --> BrakeSpecialCharacteristics </pre> <p>Characteristics of Air Brakes</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	NumberOfBrakes BrakeSystem AirBrakeType BrakingPowerVariationDevice AirBrakedMass LoadChangeDevice BrakeSpecialCharacteristics
used by	element RollingStockDataset/DesignDataSet

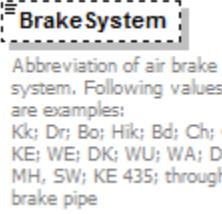
annotation	documentation Characteristics of Air Brakes
source	<pre> <xs:element name="AirBrake"> <xs:annotation> <xs:documentation>Characteristics of Air Brakes</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="NumberOfBrakes" type="Numeric2-2"> <xs:annotation> <xs:documentation>Number 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:element ref="AirBrakeType"/> <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 tonnes)</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 variation device</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AirBrakedMassLoaded" type="Numeric3-3"> <xs:annotation> <xs:documentation>Braked weight in tonnes loaded for change weight</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

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

element AirBrake/NumberOfBrakes

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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 air brakes</p>									
source	<pre> <xs:element name="NumberOfBrakes" type="Numeric2-2"> <xs:annotation> <xs:documentation>Number of air brakes</xs:documentation> </xs:annotation> </xs:element></pre>									

element AirBrake/BrakeSystem

diagram							
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
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>maxLength</td> <td>256</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	maxLength	256	
Kind	Value	Annotation					
maxLength	256						
annotation	<p>documentation</p> <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>						
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:element></pre>						

	<pre> <xs:restriction <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>	base="xs:string"> value="256"/>
--	---	--

element **AirBrake/LoadChangeDevice**

diagram	<pre> classDiagram class LoadChangeDevice { <<Specific weights for change over air brake systems>> } class ChangeOverWeight { <<Change over weight of braked weight in tonnes variation device>> } class AirBrakedMassLoaded { <<Braked weight in tonnes loaded for change over weight>> } LoadChangeDevice "0..oo" --> ChangeOverWeight LoadChangeDevice "0..oo" --> AirBrakedMassLoaded </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:complexType> <xs:sequence> <xs:element name="ChangeOverWeight" type="Numeric3-3"> <xs:annotation> <xs:documentation>Change over weight of braked weight in tonnes variation device</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AirBrakedMassLoaded" type="Numeric3-3"> <xs:annotation> <xs:documentation>Braked weight in tonnes loaded for change over weight</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **AirBrake/LoadChangeDevice/ChangeOverWeight**

diagram	<pre> classDiagram class ChangeOverWeight { <<Change over weight of braked weight in tonnes variation device>> } </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

type	Numeric3-3
properties	content simple
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation Change over weight of braked weight in tonns variation device
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	 Braked weight in tonns loaded for change over weight
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	Numeric3-3
properties	content simple
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation Braked weight in tonns loaded for change over weight
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

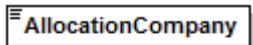
diagram	 According type of airbrake
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:integer
properties	content simple
used by	element AirBrake
facets	Kind Value Annotation minInclusive 0 maxInclusive 999
annotation	documentation According type of airbrake
source	<pre><xs:element name="AirBrakedMass"></pre>

	<pre> <xs:annotation> <xs:documentation>According type of airbrake</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:integer"> value="0"/> value="999"/> </pre>
--	--	--

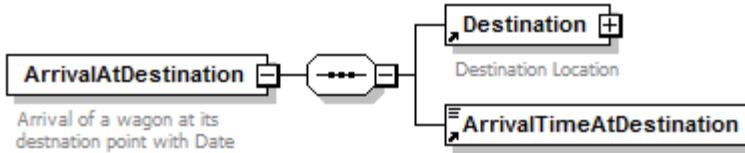
element AlertMessage

diagram	<pre> classDiagram class AlertMessage class MessageHeader class CommitmentETA class ActualETA class WagonNumberFreight AlertMessage --> MessageHeader : AlertMessage --> CommitmentETA : AlertMessage --> ActualETA : AlertMessage --> WagonNumberFreight : </pre> <p>The diagram illustrates the structure of the AlertMessage element. It is a composite element represented by a rectangle with three compartments. The first compartment contains the element name 'AlertMessage'. The second compartment contains a note: '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'. The third compartment lists four associated elements: 'MessageHeader', 'CommitmentETA', 'ActualETA', and 'WagonNumberFreight'. Each association is shown with a line connecting the 'AlertMessage' box to its respective element box.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	
	Name of company who is responsible for allocation and maintenance of codes
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CompanyCode
properties	content simple
used by	elements LocationSubsidiaryIdentification LocationSubsidiaryInformation
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
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	
	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
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	Destination ArrivalTimeAtDestination
used by	element 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></pre>

	<pre> <xs:element <xs:element </xs:sequence> </xs:complexType> </xs:element></pre>	<i>ref="Destination"/></i> <i>ref="ArrivalTimeAtDestination"/></i>
--	--	---

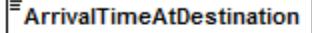
element **ArrivalInterchangeReport**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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/2.4												
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	<p>documentation</p> <p>Source of information</p>												
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: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/2.4
type	xs:dateTime
properties	content simple
used by	element ArrivalAtDestination
annotation	<p>documentation</p> <p>The actual Date and Time of the arrival of wagons by train at its final destination yard</p>
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/2.4
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/2.4
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/2.4
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	<p>documentation</p> <p>Identifies the track of the arrival of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode.</p>
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/2.4									
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	<p>documentation</p> <p>Identifies the associated train for the activity for traffic management purposes by the Dispatcher, GSMD services, etc.</p>									
source	<pre><xs:element name="AssociatedAttachedOTN" type="String1-8"> <xs:annotation></pre>									

	<p><code><xs:documentation>Identifies the associated train for the activity for traffic management purposes by the Dispatcher, GSMR services, etc.</xs:documentation></code></p> <p><code></xs:annotation></code></p> <p><code></xs:element></code></p>
--	---

element **AssociatedAttachedTrainID**

diagram	<pre> classDiagram class CompositIdentifierPlannedType { <<Composite Identifier Planned Type>> <<Object Type>> <<Company>> <<Core>> <<Variant>> <<Timetable Year>> <<Start Date>> } class AssociatedAttachedTrainID { <<Train ID of the Associated Train in an Attach Activity>> } CompositIdentifierPlannedType "2" --> "1" AssociatedAttachedTrainID CompositIdentifierPlannedType "2" --> "1" Object Type CompositIdentifierPlannedType "2" --> "1" Company CompositIdentifierPlannedType "2" --> "1" Core CompositIdentifierPlannedType "2" --> "1" Variant CompositIdentifierPlannedType "2" --> "1" Timetable Year CompositIdentifierPlannedType "2" --> "1" Start Date </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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"> <xs:type name="CompositIdentifierPlannedType"> <xs:annotation> <xs:documentation>TrainID of the Associated Train in an Attach Activity</xs:documentation> </xs:annotation> </xs:type> </xs:element> </pre>

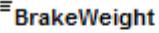
element BogiePitch

diagram	 BogiePitch Bogie Wheelbase measured in mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element BookedLocationDateTime

diagram	 BookedLocationDateTime Scheduled Date and Time of a train at a specified location as defined in the path contract
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
used by	elements ChangeofTrackMessage AffectedSection/EndOfSection JourneySection/JourneySectionDestination JourneySection/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 **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/2.4
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 base="xs:int"> <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/2.4
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> <xs:restriction base="xs:integer"></pre>

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

element CauseDescription

diagram	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> CauseDescription </div> <p>Describes the cause of sending message</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	FreeText									
properties	content simple									
used by	element WagonRefusedAtInterchangeMessage									
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>Describes the cause of sending message</p>									
source	<pre> <xs:element name="CauseDescription" type="FreeText"> <xs:annotation> <xs:documentation>Describes the cause of sending message</xs:documentation> </xs:annotation> </xs:element> </pre>									

element CauseType

diagram	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> CauseType </div> <p>Indicates the cause of a damage or refusal of a wagon or train</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	CauseCode									
properties	content simple									
used by	element WagonRefusedAtInterchangeMessage									
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>Indicates the cause of a damage or refusal of a wagon or train</p>									
source	<pre> <xs:element name="CauseType" type="CauseCode"> <xs:annotation> <xs:documentation>Indicates the cause of a damage or refusal of a wagon or train</xs:documentation> </xs:annotation> </xs:element> </pre>									

element ChangeofTrackMessage

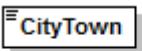
diagram	<pre> classDiagram class ChangeofTrackMessage { <<This message is issued to show that the train is arriving at another platform to the one that was scheduled>> } class MessageHeader class MessageStatus class TrainOperationalIdentification class OperationalTrainNumberIdentifier class ReferenceOTN class LocationPlannedTrack class LocationActualTrack class BookedLocationDateTime { <<Scheduled Date and Time of a train at a specified location as defined in the path contract>> } class TrainLocationStatus { <<Identifies the status of a train related to the actual time at a reporting point>> } class InterruptionReason { <<This element identifies the reason for an interruption of the train running>> } class InterruptionDescription { <<The free text description of an interruption>> <<0..>> } class TransferPoint class TransfereeIM { <<Next IM>> } ChangeofTrackMessage < -- MessageHeader ChangeofTrackMessage < -- MessageStatus ChangeofTrackMessage --> MessageHeader ChangeofTrackMessage --> TrainOperationalIdentification ChangeofTrackMessage --> OperationalTrainNumberIdentifier ChangeofTrackMessage --> ReferenceOTN ChangeofTrackMessage --> LocationPlannedTrack ChangeofTrackMessage --> LocationActualTrack ChangeofTrackMessage --> BookedLocationDateTime ChangeofTrackMessage --> TrainLocationStatus ChangeofTrackMessage --> InterruptionReason ChangeofTrackMessage --> InterruptionDescription ChangeofTrackMessage --> TransferPoint ChangeofTrackMessage --> TransfereeIM </pre> <p>ChangeofTrackMessage</p> <p>This message is issued to show that the train is arriving at another platform to the one that was scheduled</p> <p>MessageHeader Used for all messages</p> <p>MessageStatus Assigned by the Sender 1=Creation, 2=Modification, 3=deletion</p> <p>TrainOperationalIdentification</p> <p>OperationalTrainNumberIdentifier</p> <p>ReferenceOTN</p> <p>LocationPlannedTrack</p> <p>LocationActualTrack</p> <p>BookedLocationDateTime Scheduled Date and Time of a train at a specified location as defined in the path contract</p> <p>TrainLocationStatus Identifies the status of a train related to the actual time at a reporting point</p> <p>InterruptionReason This element identifies the reason for an interruption of the train running</p> <p>InterruptionDescription The free text description of an interruption 0..∞</p> <p>TransferPoint</p> <p>TransfereeIM Next IM</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	MessageHeader MessageStatus TrainOperationalIdentification OperationalTrainNumberIdentifier ReferenceOTN LocationPlannedTrack LocationActualTrack BookedLocationDateTime TrainLocationStatus InterruptionReason InterruptionDescription TransferPoint TransfereeIM
annotation	documentation This message is issued to show that the train is arriving at another platform to the one that was scheduled
source	<code><xss:element name="ChangeofTrackMessage"></code>

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<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
      <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>

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element **CityTown**

diagram	 CityTown Name of the City or Town in Clear Text
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Name of the City or Town in Clear Text
source	<xs:element name="CityTown">

	<pre> <xs:annotation> <xs:documentation>Name of the City or Town in Clear Text</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength <xs:minLength </xs:restriction> </xs:simpleType> </xs:element> </pre>
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element ClosingTime

diagram	 <p>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/2.4
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	 <p>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.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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>
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element Comments

diagram	 Comments									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	FreeText									
properties	content simple									
used by	elements LocationPrimaryInformation 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									
source	<pre><xs:element name="Comments" type="FreeText"/></pre>									

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/2.4
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	<pre><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></pre>

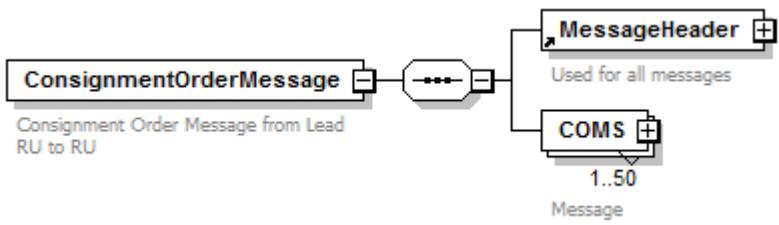
element Company

diagram	 Identifies a railway company (RU or IM)
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CompanyCode
properties	content simple
used by	complexTypes CompositIdentifierOperationalType CompositIdentifierPlannedType
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
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	 Reference number assigned to a consignment by a lead RU
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	 Consignment Order Message from Lead RU to RU
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

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

	<pre> </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 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 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: RRRYYYYYMMDDNNNNNN 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> </pre>
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	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </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> </xs:sequence> </xs:complexType> <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:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </pre>
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	<pre> <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 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:sequence> </xs:complexType> </xs:element> </pre> <p>the hand over of the consignment</p>
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	<pre> <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 consignment</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ConsignorReference" minOccurs="0"> <xs:annotation> <xs:documentation>Consignor's reference complete the concerning 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: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 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> </pre>
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          <xs:documentation>Paper documents accompanying the
transport</xs:documentation>
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The UN/DIFACT 1001 list of codes is to be used to code accompanying
documents.</xs:documentation>
                <xs:annotation>
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                      <xs:minInclusive
                        <xs:maxInclusive
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                    <xs:element
name="DocumentInformation"
minOccurs="0">
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regarding the attached document may be entered here.</xs:documentation>
                      <xs:annotation>
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                                </xs:restriction>
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ref="Quantity"      minOccurs="0"/>
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name="DocumentTypeDescription"
minOccurs="0">
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when it is not in the UN/EDIFACT 1001 list included.</xs:documentation>
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                              </xs:complexType>
                            </xs:element>
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name="CommercialSpecifications" minOccurs="0"
maxOccurs="5">
                            <xs:annotation>
                              <xs:documentation>Commercial
Specification</xs:documentation>

```

	<pre> </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 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" maxOccurs="30"/> <xs:element ref="Routing" minOccurs="0"/> <xs:element ref="SpecialTreatments" minOccurs="0"/> <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</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
free	
customs	

	<pre> is 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> <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 </pre>
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	added code.	<p>the declaration.</xs:documentation></p> <pre> </xs:annotation> </xs:element> <xs:element name="RU_DeclarationCode"> <xs:annotation> <xs:documentation>Carrier declaration </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Without </xs:documentation> </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 </xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>
	packaging:	... (give
	packaging:	... (give
	poor condition:	... (give
	damaged: (give	
	(give	
	(give	
	consignor</xs:documentation>	

	<pre> <xs:enumeration value="6"> <xs:annotation> <xs:documentation>Loaded by 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>Unloaded by the carrier in ... </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:annotation> </xs:enumeration> </pre>
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		<pre> ... (give <xs:documentation>Other reserves: 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: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 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> </pre>
		Wagons and ITU

	<pre> </xs:annotation> </xs:element> <xs:element name="WagonPreviousNumberFreight" maxOccurs="20"> minOccurs="0" <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> <xssimpleType> <xs:restriction> <xs:length base="xs:string" value="12"/> </xs:restriction> </xssimpleType> </xs:element> <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> <xssimpleType> <xs:restriction> <xs:minLength base="xs:string" value="1"/> <xs:maxLength value="150"/> </xs:restriction> </xssimpleType> </xs:element> <xs:element ref="AgreedTimeOfDelivery" minOccurs="0"/> </xs:sequence> </xsccomplexType> </xs:element> </xs:sequence> </xsccomplexType> </xs:element> </xs:sequence> </xsccomplexType> </xs:element> </xs:sequence> </xsccomplexType> </xs:element> </pre>
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element ConsignmentOrderMessage/COMS

diagram	<p>Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications</p> <p>Consignment order message</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 1 maxOcc 50 content complex
children	COM Header COM
annotation	documentation Message

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 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"/> <xsmaxLength value="18"> <xs:annotation> <xs:documentation>Use here a counter, any system.</xs:documentation> </xs:annotation> </xsmaxLength> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ShipmentType" minOccurs="0"> <xs:annotation> <xs:documentation>Classification of the wagon order as 'CUV' '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> </pre>
or	

	<pre> </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 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: RRRYYYYYMMDDNNNNNNN 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> <xs:sequence> </pre>
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	<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> <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: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: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:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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	<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> <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 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:sequence> </xs:complexType> </xs:element> </pre>
hand	

	<pre> </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 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 <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: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 base="xs:int" value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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	<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 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:documentation> </xs:annotation> </xs:element> </xs:sequence> <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 ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Insufficient packaging:</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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	<pre> ... (give details)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4.1"> <xs:annotation> <xs:documentation>Goods clearly in poor (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> </pre>
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	<pre></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> <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></pre>
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element ConsignmentOrderMessage/COMS/COM_Header

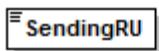
diagram	<pre> graph LR COM_Header[COM_Header] --- SendingRU[SendingRU] COM_Header --- ReceivingRU[ReceivingRU] COM_Header --- MessageReferenceNumber[MessageReferenceNumber] COM_Header --- ShipmentType[ShipmentType] COM_Header --- ConsignmentOrderType[ConsignmentOrderType] COM_Header --- COM_PreparationDatetime[COM_PreparationDatetime] COM_Header --- DossierNumber[DossierNumber] COM_Header --- VersionNumber[VersionNumber] COM_Header --- ChangeLog[ChangeLog] </pre> <p>SendingRU Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which created/amended the message (like 2185).</p> <p>ReceivingRU 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> <p>MessageReferenceNumber Message Reference Number This identification is being generated during creation of the message. This allows the tracing of the message.</p> <p>ShipmentType Classification of the wagon order as 'CUV' or 'CIM'.</p> <p>ConsignmentOrderType 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>COM_Header Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications</p> <p>COM_PreparationDatetime Date and Time of preparation of the COM</p> <p>DossierNumber Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRRYYYYMMDDNNNNNN N Where RRRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNN = running number.</p> <p>VersionNumber Message version number. This number has to be incremented after each modification. On creation this value has to be set to 0.</p> <p>ChangeLog Log of changes made by the LeadRU / contractual carrier during the transport. 0..100</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	<u>SendingRU</u> <u>ReceivingRU</u> <u>MessageReferenceNumber</u> <u>ShipmentType</u> <u>ConsignmentOrderType</u> <u>COM</u> <u>PreparationDatetime</u> <u>DossierNumber</u> <u>VersionNumber</u> <u>ChangeLog</u>
annotation	documentation Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications
source	<pre> <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> <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 CIM consignment note.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </pre>

	<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> <xs:sequence> <xs:element name="DateTime"> <xs:annotation> <xs:documentation>Date and Time of the change made by the LeadRU / contractual carrier during the transport.</xs:documentation> </xs:annotation> </xs:sequence> </xs:complexType> </pre>
--	---

	<pre> <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: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/2.4									
type	CompanyCode									
properties	content simple									
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>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	
	Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the recipient of the message (like 2185).
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CompanyCode
properties	content simple
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
annotation	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).
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>

element ConsignmentOrderMessage/COMS/COM_Header/MessageReferenceNumber

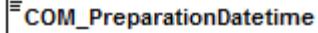
diagram	
	Message Reference NumberThis identification is being generated during creation of the message. This allows the tracing of the message.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation 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 base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="18"/> </xs:restriction> </xs:simpleType> </xs:element></pre> <p>Use here a counter, any</p>

	<pre>system.</xs:documentation> </xs:annotation> </xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element></pre>
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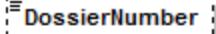
element ConsignmentOrderMessage/COMS/COM_Header/ShipmentType

diagram																
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4															
type	restriction of xs:token															
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>CIM</td><td>documentation</td></tr> <tr> <td></td><td></td><td>Regular transport, according in basic to the CIM consignment note.</td></tr> <tr> <td>enumeration</td><td>CUV</td><td>documentation</td></tr> <tr> <td></td><td></td><td>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.</td></tr> </table>	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.
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> <xs:enumeration value="CIM"> <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: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></pre>															

element ConsignmentOrderMessage/COMS/COM_Header/COM_PreparationDatetime

diagram	 COM_PreparationDatetime Date and Time of preparation of the COM
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:dateTime
properties	content simple
facets	Kind Value Annotation pattern <code>.*[+-]\d{2}:\d{2}</code>
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 N Where RRRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNNN = running number.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 19 pattern <code>\d{4}20\d{2}[0-1][0-9][0-3]\d{3}</code>
annotation	documentation Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRRYYYYMMDDNNNNNN N 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 N Where RRRR = railway code, YYYY = year, MM = month, DD = day and NNNNNNNN = running number.</xs:documentation></pre>

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length <xs:pattern value="19"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	--

element ConsignmentOrderMessage/COMS/COM_Header/VersionNumber

diagram										
	<p>Message version number. This number has to be incremented after each modification. On creation this value has to be set to 0.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>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	<p>documentation</p> <p>Message version number. This number has to be incremented after each modification. On creation this value has to be set to 0.</p>									
source	<pre> <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> </pre>									

element ConsignmentOrderMessage/COMS/COM_Header/ChangeLog

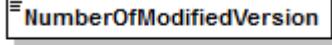
diagram	<p>ChangeLog 0..100 Log of changes made by the LeadRU / contractual carrier during the transport.</p>
	<p>DateTime DateTime, when the changes were applied.</p> <p>NumberOfModifiedVersion Version number of the modified message (as also written into COMHeader/COMVersionNumber).</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 100 content complex

children	<u>DateTime NumberOfModifiedVersion</u>
annotation	documentation Log of changes made by the LeadRU / contractual carrier during the transport.
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:simpleType> <xs:base base="xs:dateTime"/> </xs:simpleType> </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:simpleType> <xs:base base="xs:int"/> </xs:simpleType> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element ConsignmentOrderMessage/COMS/COM_Header/ChangeLog/DateTime

diagram	 <p>Date Time, when the changes were applied.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:dateTime
properties	content simple
annotation	documentation DateTime, when the changes were applied.
source	<pre> <xs:element <xs:annotation> <xs:documentation>DateTime, when the changes were applied.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:simpleType> <xs:base base="xs:dateTime"/> </xs:simpleType> </xs:restriction> </xs:simpleType> </xs:element></pre>

element ConsignmentOrderMessage/COMS/COM_Header/ChangeLog/NumberOfModifiedVersion

diagram	
	Version number of the modified message (as also written into COMHeader/COMVersionNumber).
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 <xs:simpleType> <xs:base>xs:int</xs:base> </xs:simpleType> </xs:restriction> </xs:simpleType> </xs:annotation> </xs:element></pre>

element **ConsignmentOrderMessage/COMS/COM**

diagram	<pre> classDiagram class COM { <<Consignment order message>> } class AcceptancePoint class DeliveryPoint class Customers { <<1..2<>> <<Information about the consignor and consignee>> } class ConsignorDeclarations { <<0..10<>> <<Consignors declarations, this element contains either declarations of the original consignor or declarations of the LeadRU as consignor>> } class GeneralInformation class AttachedDocuments { <<0..10<>> <<Paper documents accompanying the transport>> } class CommercialSpecifications { <<0..5<>> <<Commercial Specification>> } class ContractNumber class Routing class SpecialTreatments { <<0..30<>> <<Special treatment>> } class CustomsProcedures class CustomsData class RU_Declarations class Wagons { <<1..99<>> <<Contains list of transported Goods, Wagons and ITU etc.>> } class WagonPreviousNumberFreight { <<0..20<>> <<Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey>> } class ReferenceOriginalCN class AgreedTimeOfDelivery COM "1" --> AcceptancePoint COM "1" --> DeliveryPoint COM "1" --> Customers COM "1" --> ConsignorDeclarations COM "1" --> GeneralInformation COM "1" --> AttachedDocuments COM "1" --> CommercialSpecifications COM "1" --> ContractNumber COM "1" --> Routing COM "1" --> SpecialTreatments COM "1" --> CustomsProcedures COM "1" --> CustomsData COM "1" --> RU_Declarations COM "1" --> Wagons COM "1" --> WagonPreviousNumberFreight COM "1" --> ReferenceOriginalCN COM "1" --> AgreedTimeOfDelivery </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	AcceptancePoint DeliveryPoint Customers ConsignorDeclarations GeneralInformation AttachedDocuments CommercialSpecifications ContractNumber Routing SpecialTreatments CustomsProcedures CustomsData RU Declarations Wagons WagonPreviousNumber FreightReference OriginalCN AgreedTimeOfDelivery
annotation	documentation C consignment order message
source	<pre> <xs:element name="COM"> <xs:annotation> <xs:documentation>C 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 oftheconsignment</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 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:element> </xs:sequence> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <xs:restriction <xs:minLength <xsmaxLength </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 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 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:complexType> <xs:simpleType> <xs:restriction <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </pre>
over	<p>as</p> <p>consignor</p> <p>complete</p>

	<pre> </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="35"/> </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: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 document may be entered here.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <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:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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	<pre> <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> <xs:element <xs:annotation> <xs:documentation>Commercial specifications </xs:documentation> </xs:annotation> </xs:element> <xs:simpleType> <xs:restriction> <xs:maxLength base="xs:token"/> </xs:restriction> </xs:simpleType> </xs:sequence> </xs:complexType> </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> <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 customs procedures. </xs:annotation> </xs:element> <xs:element ref="Location"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </pre>
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        </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: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: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:element>
  </xs:sequence>
</xs:complexType>
<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:
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:restriction>
</xs:simpleType>
```

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

	<pre> 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:element> <xs:element name="DifferentAcceptance" minOccurs="0"> <xs:annotation> <xs:documentation>Details of the changes of the acceptance 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 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:sequence> </xs:complexType> </xs:element> <xs:element ref="Wagons" maxOccurs="99"> <xs:annotation> <xs:documentation>Contains list of transported Goods, Wagons and </pre>
--	---

	<p>ITU</p> <pre> </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 <xs:minLength <xs:value base="xs:string"> value="12"/> <xs:maxLength <xs:value base="xs:string"> value="150"/> </xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element> <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 <xs:value base="xs:string"> value="1"/> <xs:maxLength <xs:value base="xs:string"> value="150"/> </xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="AgreedTimeOfDelivery" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>
--	---

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

diagram	<pre> graph LR AP[AcceptancePoint] --- ---> Station[Station] AP --- ---> PS[ProductionStation] AP --- ---> PRU[PreviousResponsibleRU] AP --- ---> AD[AcceptanceDate] AP --- ---> RU[ResponsibleRU] AP --- ---> CN[COM_ConsignmentNumber] AP --- ---> FTN[ForwardingTrainNumber] AP --- ---> LF[LoadingFacility] subgraph Description [Description of location and time for the take over of the consignment] AP end </pre> <p>Description of location and time for the take over of the consignment</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xss:element name="AcceptancePoint"> <xss:annotation> <xss:documentation>Description of location and time for the take over of the consignment</xss:documentation> the </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="ProductionStation" /> <xss:element ref="PreviousResponsibleRU" /> </xss:sequence> </xss:complexType> </xss:element> </pre>

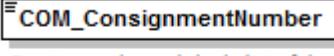
	<pre> <xs:documentation>This element identifies the RU, which was responsible for the train operation on the journey section before an interchange </xs:documentation> </xs:annotation> </xs:element> <xs:element name="AcceptanceDate" minOccurs="0"> <xs:annotation> <xs:documentation>Date and time (month, day and hour) at which the goods were accepted. </xs:documentation> <xs: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**

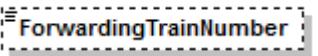
diagram	 <p>Date and time (month, day and hour) at which the goods were accepted.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:dateTime
properties	minOcc 0

	maxOcc 1 content simple	
facets	Kind Value pattern .*00:00[+-]\d{2}:\d{2}	Annotation
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> <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/2.4
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> <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	 <p>Train number at shipping</p>
---------	---

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="6"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element ConsignmentOrderMessage/COMS/COM/DeliveryPoint

diagram	<p>The diagram illustrates the structure of the DeliveryPoint element. It consists of a central rectangular box labeled "DeliveryPoint". From its right side, a horizontal line extends to the right, ending in a small connector. This connector is connected to three separate dashed-line boxes, each with a title bar and a plus sign icon. The first box is titled "Station" and contains the text "Details of station serving the point". The second box is titled "Production Station" and contains the text "Details of production station serving the point, this element is used if the productional station differs from the commercial station". The third box is titled "NextResponsibleRU" and contains the text "The RU who is responsible for the train operation on the next journey section.".</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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>
--	---

element ConsignmentOrderMessage/COMS/COM/ConsignorDeclarations

diagram	<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/2.4
properties	minOcc 0 maxOcc 10 content complex
children	ConsignorDeclarationsCode DeclarationText
annotation	documentation Consignors declarations, 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 declarations, 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	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:string
properties	content simple

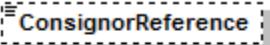
annotation	documentation Coded consignor declaration
source	<pre><xs:element name="ConsignorDeclarationsCode" type="xs:string"> <xs:annotation> <xs:documentation>Coded consignor declaration</xs:documentation> </xs:annotation> </xs:element></pre>

element ConsignmentOrderMessage/COMS/COM/GeneralInformation

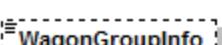
diagram	<p>The diagram illustrates the structure of the <code>GeneralInformation</code> element. It is represented by a class icon with two outgoing associations. One association points to a class labeled <code>ConsignorReference</code>, which is described as 'Consignor's reference concerning the complete consignment'. The other association points to a class labeled <code>WagonGroupInfo</code>, which is described as 'Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.'</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 1 content complex
children	ConsignorReference WagonGroupInfo
annotation	documentation General information about the complete consignment
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"/> <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:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

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

element ConsignmentOrderMessage/COMS/COM/GeneralInformation/ConsignorReference

diagram	 <p>Consignor's reference concerning the complete consignment</p>	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4	
type	restriction of xs:string	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind Value Annotation minLength 1 maxLength 35	
annotation	documentation Consignor's reference concerning the complete consignment	
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 <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element></pre>	
	base="xs:string"> value="1"/> value="35"/>	

element ConsignmentOrderMessage/COMS/COM/GeneralInformation/WagonGroupInfo

diagram	 <p>Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.</p>	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4	
type	restriction of xs:string	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind Value Annotation minLength 1 maxLength 500	

annotation	documentation Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.
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:simpleType> <xs:restriction> <xs:maxLength value="500"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element ConsignmentOrderMessage/COMS/COM/AttachedDocuments

diagram	<p>The diagram illustrates the structure of the AttachedDocuments element. It is represented by a dashed box labeled "AttachedDocuments" with a multiplicity of 0..10. This element is connected via a line with three dots to another dashed box labeled "DocumentInformation". Inside "DocumentInformation", there are four sub-elements: "DocumentType", "Quantity", and "DocumentTypeDescription", each enclosed in its own box. "DocumentType" contains the text: "Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents." "Quantity" contains the text: "Amount of the loading tackles of the specified type." "DocumentTypeDescription" contains the text: "Description of document type, when it is not in the UN/EDIFACT 1001 list included." Below the main "AttachedDocuments" box, the text "Paper documents accompanying the transport" is written.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element> </xs:sequence> </xs:complexType> </xs:element></pre>

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

element ConsignmentOrderMessage/COMS/COM/AttachedDocuments/DocumentType

diagram	 <p>Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	<p>documentation</p> <p>Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.</p>									
source	<xs:element name="DocumentType">									

	<pre> <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>
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element ConsignmentOrderMessage/COMS/COM/AttachedDocuments/DocumentInformation

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>35</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	35	
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				
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4			
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> </table>	Kind	Value	Annotation
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 value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

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" -- "0..1" Code CommercialSpecifications "0..1" -- "0..1" SpecificationText </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>	value="1"/> value="350"/>
--	---	--

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

diagram	<div style="border: 1px solid black; padding: 2px; margin-top: 5px;">Code</div> <p>Commercial specifications code</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

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

diagram	<div style="border: 1px dashed black; padding: 2px; margin-top: 5px;">SpecificationText</div> <p>Additional Text for codes with free text</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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>

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

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

diagram	<pre> classDiagram class CustomsProcedures { <<Customs procedures>> } class RU_Partner { <<Code of the RU entrusted of customs procedures.>> } class Location { <<Identifies a Location using a LocationIdent>> } CustomsProcedures "2" --> "1" RU_Partner : CustomsProcedures "2" --> "1" Location : </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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**

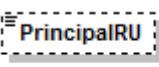
diagram	<p>The diagram illustrates the structure of the CustomsData element. It consists of a central node labeled 'Customs Data' connected via a sequence of three nodes to four separate boxes: 'SimplifiedTransportProcedure', 'PrincipalRU', 'CustomsSurveillance', and 'CustomsEndorsements'. Each box contains a brief description of its purpose.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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: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:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<p>consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006).</xs:documentation></p> <pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xsmaxLength 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**

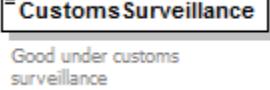
diagram	 <p>Simplified transport procedure is used (STP).</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:boolean
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Simplified transport procedure is used (STP).
source	<pre> <xs:element name="SimplifiedTransportProcedure" minOccurs="0"> <xs:annotation> <xs:documentation>Simplified transport procedure is used (STP).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:boolean"/> </xs:simpleType> </xs:element> </pre>

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

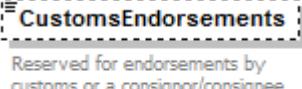
diagram	 <p>Code for the principal RU</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CompanyCode
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
annotation	documentation Code for the principal RU
source	<pre> <xs:element name="PrincipalRU" type="CompanyCode" minOccurs="0"> <xs:annotation> </pre>

	<pre><xs:documentation>Code for the principal RU</xs:documentation> </xs:annotation> </xs:element></pre>
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element **ConsignmentOrderMessage/COMS/COM/CustomsData/CustomsSurveillance**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

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

diagram	<pre> classDiagram class RU_Declarations { <<Carriers declaration>> } class RU_Declaration { <<Details of the carriers declaration.>> } class DifferentAcceptance { <<Details of the changes of the acceptance point given by the consignor.>> } RU_Declarations "0..30" --> RU_Declaration RU_Declarations --> DifferentAcceptance </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <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:element> </xs:sequence> <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:restriction> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> </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: ... 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> </pre>
--	--

	<p><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></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="9.2"></p> <p><xs:annotation></p> <p><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></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="9.3"></p> <p><xs:annotation></p> <p><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></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="10"></p> <p><xs:annotation></p> <p><xs:documentation>Request for examination in accordance with CIM Article 11 section 3 presented late by the consignor</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="11"></p> <p><xs:annotation></p> <p><xs:documentation>Examination not made because of a shortage of resources: ... (give details)</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="12"></p> <p><xs:annotation></p> <p><xs:documentation>Other reserves: ... (give details)</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="13"></p> <p><xs:annotation></p> <p><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></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p></xs:restriction></p> <p></xs:simpleType></p> <p></xs:element></p> <p><xs:element ref="DeclarationText" minOccurs="0"/></p> <p></xs:sequence></p> <p></xs:complexType></p> <p></xs:element></p> <p><xs:element name="DifferentAcceptance" minOccurs="0"></p> <p><xs:annotation></p> <p><xs:documentation>Details of the changes of the acceptance point given by the consignor.</xs:documentation></p>
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	<pre> </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 <xs:annotation> <xs:documentation>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> </pre>
--	--

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

diagram	<pre> classDiagram class RU_Declaration { <<0..30>> <<Details of the carriers declaration.>> } class DeclaringRU { <<Code of carrier, who added the declaration.>> } class RU_DeclarationCode { <<Carrier declaration code.>> } class DeclarationText { <<Additional Text for codes with free text>> } RU_Declaration "0..30" --> DeclaringRU : RU_Declaration "0..30" --> RU_DeclarationCode : RU_Declaration "0..30" --> DeclarationText : </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> </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:enumeration value="6"> <xs:annotation> </pre>
--	--

	<p>at the request of the consignor <code></xs:documentation></code> <code></xs:annotation></code> <code></xs:enumeration></code> <code><xs:enumeration value="7"></code> <code><xs:annotation></code> <code><xs:documentation>Unloaded by the consignee</xs:documentation></code> <code></xs:annotation></code> <code></xs:enumeration></code> <code><xs:enumeration value="8"></code> <code><xs:annotation></code> <code><xs:documentation>Unloaded by the carrier in ...</xs:documentation></code> <code></xs:annotation></code> <code></xs:enumeration></code> <code><xs:enumeration value="9.1"></code> <code><xs:annotation></code> <code><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></code> <code></xs:annotation></code> <code></xs:enumeration></code> <code><xs:enumeration value="9.2"></code> <code><xs:annotation></code> <code><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></code> <code></xs:annotation></code> <code></xs:enumeration></code> <code><xs:enumeration value="9.3"></code> <code><xs:annotation></code> <code><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></code> <code></xs:annotation></code> <code></xs:enumeration></code> <code><xs:enumeration value="10"></code> <code><xs:annotation></code> <code><xs:documentation>Request for examination in accordance with CIM Article 11 section 3 presented late by the consignor</xs:documentation></code> <code></xs:annotation></code> <code></xs:enumeration></code> <code><xs:enumeration value="11"></code> <code><xs:annotation></code> <code><xs:documentation>Examination not made because of a shortage of resources: ... (give details)</xs:documentation></code> <code></xs:annotation></code> <code></xs:enumeration></code> <code><xs:enumeration value="12"></code> <code><xs:annotation></code> <code><xs:documentation>Other reserves: ... (give details)</xs:documentation></code> <code></xs:annotation></code> <code></xs:enumeration></code> <code><xs:enumeration value="13"></code> <code><xs:annotation></code></p>
--	--

	<pre> <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>
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element **ConsignmentOrderMessage/COMS/COM/RU_Declarations/RU_Declaration/DeclaringRU**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	CompanyCode									
properties	content simple									
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 Code of carrier, who added the declaration.</p>									
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_Declaration/RU_DeclarationCode

diagram																						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																					
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>1</td> <td>documentation Without packing</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>documentation Unsatisfactory packaging: ...(give details)</td> </tr> <tr> <td>enumeration</td> <td>3</td> <td>documentation Insufficient packaging: ... (give details)</td> </tr> <tr> <td>enumeration</td> <td>4.1</td> <td>documentation Goods clearly in poor condition: ... (give details)</td> </tr> <tr> <td>enumeration</td> <td>4.2</td> <td>documentation Goods damaged:(give details)</td> </tr> <tr> <td>enumeration</td> <td>4.3</td> <td>documentation</td> </tr> </tbody> </table>	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
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																				

	enumeration 4.4	Goods wet: ... (give details) documentation
	enumeration 5	Goods frozen: ... (give details) documentation
	enumeration 6	Loaded by the consignor documentation
	enumeration 7	Loaded by the carrier in inclement weather at the request of the consignor documentation
	enumeration 8	Unloaded by the consignee documentation
	enumeration 9.1	Unloaded by the carrier in ... documentation
	enumeration 9.2	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 documentation
	enumeration 9.3	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 documentation
	enumeration 10	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 documentation
	enumeration 11	Request for examination in accordance with CIM Article 11 section 3 presented late by the consignor documentation
	enumeration 12	Examination not made because of a shortage of resources: ... (give details) documentation
	enumeration 13	Other reserves: ... (give details) 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> <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:restriction> </xs:simpleType> </xs:element> </pre>	

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

element ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance

diagram	<p>The diagram illustrates the structure of the <code>DifferentAcceptance</code> element. It features a central rounded rectangle labeled <code>DifferentAcceptance</code>. Two arrows point from this central node to two separate dashed boxes. The top dashed box is labeled <code>DifferentAcceptancePoint</code> and contains the text "Variance of acceptance point given in structure AcceptancePoint.". The bottom dashed box is labeled <code>DifferentAcceptanceDate</code> and contains the text "Variance of acceptance date given structure AcceptancePoint.".</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	<pre> minOcc 0 maxOcc 1 content complex </pre>
children	DifferentAcceptancePoint DifferentAcceptanceDate
annotation	<p>documentation</p> <p>Details of the changes of the acceptance point given by the consignor.</p>
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:sequence> </xs:complexType> </xs:element> </pre>

	<pre> </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>
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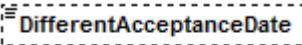
element

ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance/DifferentAcceptancePoint

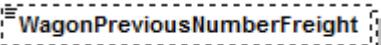
diagram	<pre> classDiagram class DifferentAcceptancePoint { <<Variance of acceptance point given in structure AcceptancePoint.>> } class LocationIdent class CountryCodeISO { <<Identifies a County or State by code (ISO 3166-1)>> } class LocationPrimaryCode class PrimaryLocationName { <<Location Name in an officiation language of the Country using the ISO Unicode alphabet>> } class LocationSubsidiaryIdentification { <<Code, Name and allocation company of Subsidiary Location>> } DifferentAcceptancePoint < -- LocationIdent DifferentAcceptancePoint --> CountryCodeISO DifferentAcceptancePoint --> LocationPrimaryCode DifferentAcceptancePoint --> PrimaryLocationName DifferentAcceptancePoint --> LocationSubsidiaryIdentification </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	LocationIdent
properties	minOcc 0 maxOcc 1 content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	<p>documentation</p> <p>Variance of acceptance point given in structure AcceptancePoint.</p>
source	<pre> <xs:element name="DifferentAcceptancePoint" type="LocationIdent"> <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

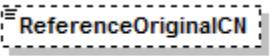
diagram	
	Variance of acceptance date given structure AcceptancePoint.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:dateTime
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern <code>*00:00[+-]\d{2}:\d{2}</code>
annotation	documentation Variance 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> <xs:pattern value=". *00:00[+-]\d{2}:\d{2}"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

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

diagram	 0.20 Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 value="12"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

	</xs:element>
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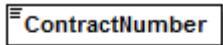
element **ConsignmentOrderMessage/COMS/COM/ReferenceOriginalCN**

diagram	
	Reference to the original consignment note between lead RU/contractual carrier and consignor
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="150"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

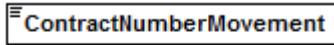
element **ContainerHandlingFlag**

diagram	
	This establishment is able to handle container traffic
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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

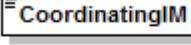
diagram	 Number of agreement between LeadRU and Responsible RU
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	content simple
used by	elements ConsignmentOrderMessage/COMS/COM WIMO Dataset/ConsignmentLevelData
facets	Kind Value Annotation minLength 1 documentation 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:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"> <xs:annotation> <xs:documentation>has to be sent as n6 (with leading zeros if necessary)</xs:documentation> </xs:annotation> </xs:minLength> <xs:maxLength value="6"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element ContractNumberMovement

diagram	 Identifies the contract between LeadRU and RU involved in the transport
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	FreeText
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Identifies the contract between LeadRU and RU involved in the transport
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>

	</xs:element>
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element **CoordinatingIM**

diagram	 CoordinatingIM <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/2.4
type	CompanyCode
properties	content simple
used by	elements PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
annotation	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.
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	 Core <p>It is the main part of identifier and is determined by the company that creates it.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	content simple
used by	complexTypes CompositIdentifierOperationalType CompositIdentifierPlannedType
facets	Kind Value Annotation minLength 12 maxLength 12

	whiteSpace replace pattern [\-*\^0-9A-Z]{12}
annotation	documentation It is the main part of identifier and is determined by the company that creates it.
source	<pre> <xs:element name="Core"> <xs:annotation> <xs:documentation>It is the main part of identifier and is determined by the company that creates it.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <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>The diagram shows a rectangular box labeled "CountryCodeISO". Below the box, a blue horizontal bar contains the text "Identifies a County or State by code (ISO 3166-1)".</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	extension of CountryIdentISO
properties	content complex
used by	elements RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber RollingRoadUnit/RollingRoadUnitDetails/Haulier LocationFileDatasetMessage RollingRoadUnit/RollingRoadUnitDetails/Vehicles complexTypes 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/2.4
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 { extension } class CustomerCodeISO class PrimaryCode class AdditionalCode class Type class CustomerCode class Name class AdditionalInformation class VAT class POBox class StreetNumber class Street class Country class ZIPCode class City class Signature class Contacts class ContractualCarrierCode Customer "1" -- "*" CustomerCode CustomerCode "1" -- "*" CustomerCodeISO CustomerCodeISO "1" -- "*" PrimaryCode PrimaryCode "1" -- "*" AdditionalCode CustomerCodeISO "1" -- "*" Type CustomerCodeISO "1" -- "*" CustomerCode CustomerCodeISO "1" -- "*" Name CustomerCodeISO "1" -- "*" AdditionalInformation CustomerCodeISO "1" -- "*" VAT CustomerCodeISO "1" -- "*" POBox CustomerCodeISO "1" -- "*" StreetNumber CustomerCodeISO "1" -- "*" Street CustomerCodeISO "1" -- "*" Country CustomerCodeISO "1" -- "*" ZIPCode CustomerCodeISO "1" -- "*" City CustomerCodeISO "1" -- "*" Signature CustomerCodeISO "1" -- "*" Contacts CustomerCodeISO "1" -- "*" ContractualCarrierCode </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	extension of CustomerCode

properties	content complex
children	CountryCode ISO PrimaryCode AdditionalCode Type CustomerCode Name AdditionalInformation VAT POBox StreetNumber Street Country ZIPCode City Signature Contacts ContractualCarrierCode
used by	element WIMO Dataset/ConsignmentLevelData
annotation	documentation Consignor or Consignee
source	<pre> <xs:element name="Customer"> <xs:annotation> <xs:documentation>Consignor or Consignee</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="CustomerCode"> <xs:sequence> <xs:element name="Type" minOccurs="0"> <xs:annotation> <xs:documentation>Customer Type: CR Consignor, CE Consignee</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="CR"/> <xs:enumeration value="CE"/> </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 base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="16"/> </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 base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="45"/> </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 base="xs:string"> </pre>

	<pre> <xs:minLength <xsmaxLength </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:element name="StreetNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Street Number</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </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 <xs:maxLength </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 </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 <xs:maxLength </xs:restriction> </xs:simpleType> </pre>
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```

</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>
  <xs:simpleType>
    <xs:restriction>
      <xs:minLength value="1"/>
      <xs:maxLength 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"/>
            <xs:maxLength 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>

```

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

element Customer/Type

diagram	 Customer Type: CR Consignor, CE Consignee
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of <code>xs:token</code>
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation enumeration CR enumeration CE
annotation	documentation Customer Type: CR Consignor, CE Consignee
source	<code><xs:element name="Type" minOccurs="0"></code> <code> <xs:annotation></code> <code> <xs:documentation>Customer Type: CR Consignor, CE Consignee</xs:documentation></code> <code> </xs:annotation></code> <code> <xs:simpleType></code> <code> <xs:restriction></code> <code> <xs:enumeration value="CR"/></code> <code> <xs:enumeration value="CE"/></code> <code> </xs:restriction></code> <code> </xs:simpleType></code> <code></xs:element></code>

element Customer/CustomerCode

diagram	 CODE: Customer Code of the Contractual Carrier
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of <code>xs:string</code>
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	<code><xs:element name="CustomerCode" minOccurs="0"></code> <code> <xs:annotation></code> <code> <xs:documentation>CODE: Customer Code of the Contractual Carrier</xs:documentation></code> <code> </xs:annotation></code> <code> <xs:simpleType></code>

	<pre> <xs:restriction> <xs:minLength value="1"/> <xsmaxLength value="16"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	--

element Customer/AdditionalInformation

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>45</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	45	
Kind	Value	Annotation								
minLength	1									
maxLength	45									
annotation	documentation Additional Information supplied by Customer									
source	<pre> <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 value="1"/> <xsmaxLength value="45"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element Customer/VAT

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>25</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	25	
Kind	Value	Annotation								
minLength	1									
maxLength	25									
annotation	documentation Value Added Tax									
source	<pre> <xs:element name="VAT" minOccurs="0"> <xs:annotation> <xs:documentation>Value Added Tax</xs:documentation> </xs:annotation> </pre>									

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:string"> value="1"/> value="25"/> </pre>
--	--	--

element Customer/POBox

diagram		
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4	
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. </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>	
	<pre> base="xs:string"> value="1"/> value="35"/> </pre>	

element Customer/StreetNumber

diagram		
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4	
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 </xs:annotation> </pre>	
	Number</xs:documentation>	

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:string"> value="1"/> value="5"/> </pre>
--	--	---

element Customer/Street

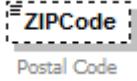
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Street
source	<pre> <xs:element name="Street" minOccurs="0"> <xs:annotation> <xs:documentation>Street</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>

element Customer/Country

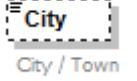
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 2
annotation	documentation Country Code ISO
source	<pre> <xs:element name="Country" minOccurs="0"> <xs:annotation> <xs:documentation>Country Code ISO</xs:documentation> </xs:annotation> </pre>

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

element Customer/ZIPCode

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:value>1</xs:value> <xs:maxLength <xs:value>9</xs:value> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element Customer/City

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 </xs:annotation> <xs:simpleType> </xs:element> </pre>

	<pre> <xs:restriction> <xs:minLength value="1"/> <xsmaxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	--

element Customer/Signature

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>35</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	35	
Kind	Value	Annotation								
minLength	1									
maxLength	35									
annotation	documentation Signature									
source	<pre> <xs:element name="Signature" minOccurs="0"> <xs:annotation> <xs:documentation>Signature</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xsmaxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element Customer/Contacts

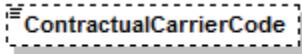
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 1 content complex
children	<u>PhonNumber</u> <u>FaxNumber</u> <u>eMail</u>
annotation	documentation Contact information

source	<pre> <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"/> <xs:maxLength 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> </pre>
--------	--

element Customer/Contacts/PhonNumber

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>30</td><td></td></tr> </table>	Kind	Value	Annotation	minLength	1		maxLength	30	
Kind	Value	Annotation								
minLength	1									
maxLength	30									
annotation	documentation Telephone Number									
source	<pre> <xs:element name="PhonNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Telephone Number</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="30"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element **Customer/ContractualCarrierCode**

diagram	 Contractual Carrier Code
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xs:length value="4"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **CustomerNumber**

diagram	 The customer number of the COM differs from the customer code used in TAF/TSI, its format may not accord to the TAf element
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	content simple
used by	elements Customers LoadingFacility
facets	Kind Value Annotation minLength 1 maxLength 16
annotation	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
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:element></pre>

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

element Customers

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xs:enumeration value="CR"/> <xs:enumeration value="CE"/> </xs:restriction> </xs:simpleType> </xs:element> <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>

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

element Customers/CustomerType

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	content simple
facets	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"> <xs:enumeration value="CR"/> <xs:enumeration value="CE"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element DangerousGoodsIndication

diagram	<pre> classDiagram class DangerousGoodsIndication { <<Identifies dangerous goods>> } class DanGoodsType { <<HazardIdentificationNumber>> <<UN_Number>> <<DangerLabel>> <<0..5>> <<RID_Class>> <<PackingGroup>> <<DangerousGoodsWeight>> <<DangerousGoodsVolume>> <<LimitedQuantityIndicator>> } DangerousGoodsIndication "1..1" --> "1..1" DanGoodsType </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 WagonInterchangeNoticeMessage WagonInterchangeSubNoticeMessage
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	<p>The diagram shows a rectangular box labeled "DangerousGoodsIndicator". Below the box is a detailed description of its function.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<p>The diagram shows a rectangular box labeled "DangerousGoodsVolume". Below the box is a detailed description of its function.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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></pre>

	<pre><xs:documentation>The volume of the dangerous goods in cubic meters</xs:documentation> </xs:annotation> </xs:element></pre>
--	--

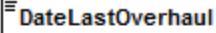
element DangerousGoodsWeight

diagram	 <p>The weight of dangerous goods in kilograms</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
type	WeightValueKilo												
properties	content simple												
used by	element SummaryOfGoodsWithSameRID complexType DanGoodsType												
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	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>												

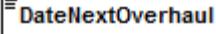
element Date

diagram	 <p>Date</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 Date of the last overhaul. For wagons newly placed on the market, the date put into service must be used.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:date
properties	content simple
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>

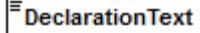
element DateNextOverhaul

diagram	 DateNextOverhaul
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:date
properties	content simple
used by	element RollingStockDataset/DesignDataSet
source	<pre><xs:element name="DateNextOverhaul" type="xs:date"/></pre>

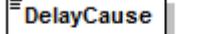
element DatePutIntoService

diagram	 DatePutIntoService Original Date of first operation
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:date
properties	content simple
used by	element RollingStockDataset/AdministrativeDataSet
annotation	documentation Original Date of first operation
source	<pre><xs:element name="DatePutIntoService" type="xs:date"> <xs:annotation> <xs:documentation>Original Date of first operation</xs:documentation> </xs:annotation> </xs:element></pre>

element DeclarationText

diagram	 DeclarationText Additional Text for codes with free text
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<pre><xs:element name="DeclarationText"> <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 DelayCause

diagram	 DelayCause This element identifies the reason for a delay (modified DelayReason)
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	DelayCode
properties	content simple
used by	elements DelayCauseTime TrainReadyMessage/TrainReadyStatus TrainReadyStatus
facets	Kind Value Annotation enumeration 11 enumeration 10 enumeration 12 enumeration 13 enumeration 14 enumeration 18 enumeration 19 enumeration 20 enumeration 21 enumeration 22 enumeration 23

	enumeration 24	
	enumeration 25	
	enumeration 28	
	enumeration 29	
	enumeration 31	
	enumeration 30	
	enumeration 32	
	enumeration 39	
	enumeration 40	
	enumeration 41	
	enumeration 50	
	enumeration 51	
	enumeration 52	
	enumeration 53	
	enumeration 54	
	enumeration 58	
	enumeration 59	
	enumeration 60	
	enumeration 61	
	enumeration 62	
	enumeration 63	
	enumeration 64	
	enumeration 68	
	enumeration 70	
	enumeration 69	
	enumeration 71	
	enumeration 80	
	enumeration 81	
	enumeration 82	
	enumeration 83	
	enumeration 84	
	enumeration 89	
	enumeration 90	
	enumeration 91	
	enumeration 92	
	enumeration 93	
	enumeration 94	
	enumeration 95	
annotation	documentation This element identifies the reason for a delay (modified DelayReason)	
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	<pre> classDiagram class DelayCauseTime { <<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)>> } class DelayCause { <<Describes the reason for a delay>> } class DelayMinutes { <<Identifies the delay (in minutes) of a train for a specified cause>> } class DelayEventDateTime { <<Date and Time of delay event>> } class InternalReferenceIdentifier { <<The link to the System Reference>> } class DelayCodingDateTime { <<Date and Time of the coding of the delay>> } class Remarks { <<Free Form Text>> } DelayCauseTime < -- DelayEventReport DelayCauseTime < -- DelayCause DelayCauseTime < -- DelayMinutes DelayCauseTime < -- DelayEventDateTime DelayCauseTime < -- InternalReferenceIdentifier DelayCauseTime < -- DelayCodingDateTime DelayCauseTime < -- Remarks </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xss:element name="DelayCauseTime"> <xss:annotation> <xss: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)</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="DelayCause"> <xss:annotation> <xss:documentation>Describes the reason for a delay</xss:documentation> </xss:annotation> </xss:element> <xss:element ref="DelayMinutes"> <xss:annotation> <xss:documentation>Identifies the delay (in minutes) of a train for a specified cause</xss:documentation> </xss:annotation> </xss:element> <xss:element ref="DelayEventDateTime"> <xss:annotation> <xss:documentation>Date and Time of delay event</xss:documentation> </xss:annotation> </xss:element> <xss:element ref="InternalReferenceIdentifier" minOccurs="0"> <xss:annotation> <xss:documentation>The link to the System Reference</xss:documentation> </xss:annotation> </xss:element> <xss:element ref="DelayCodingDateTime" minOccurs="0"> <xss:annotation> <xss:documentation>Date and Time of the coding of the delay</xss:documentation> </xss:annotation> </xss:element> <xss:element ref="Remarks"> <xss:annotation> <xss:documentation>Free Form Text</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </xss:element> </pre>

	<pre> delay</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="Remarks" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **DelayCodingDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<pre> classDiagram class DelayEventReport { <<Provides the detailed information about a single delay event (Replaced DelayReasonReport)>> } class DelayLocation { <<Location where the Delay occurred</>> } class TrainLocationStatus { <<Identifies the status of a train related to the actual time at a reporting point</>> } class DelayCauseTime { <<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)</>> } DelayEventReport "1" -- "*" DelayLocation : DelayEventReport "1" -- "*" TrainLocationStatus : DelayEventReport "1" -- "*" DelayCauseTime : </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	DelayLocation TrainLocationStatus DelayCauseTime
used by	element TrainDelayCauseMessage
annotation	<p>documentation</p> <p>Provides the detailed information about a single delay event (Replaced DelayReasonReport)</p>
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:sequence> </xs:complexType> </xs:element> </pre>

element DelayLocation

diagram	<pre> classDiagram class DelayLocation { <<Location where the Delay occurred>> } class LocationIdent { <<Identifies a County or State by code (ISO 3166-1)>> } class CountryCodeISO { <<Identifies a County or State by code (ISO 3166-1)>> } class LocationPrimaryCode { <<Identifies a County or State by code (ISO 3166-1)>> } 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>> } DelayLocation "1..*" --> "1..*" LocationIdent LocationIdent "1..*" --> "1..*" CountryCodeISO LocationIdent "1..*" --> "1..*" LocationPrimaryCode LocationIdent "1..*" --> "1..*" PrimaryLocationName PrimaryLocationName "1..*" --> "1..*" LocationSubsidiaryIdentification </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	element DelayEventReport
annotation	documentation Location where the Delay occurred
source	<pre> <xss:element name="DelayLocation" type="LocationIdent"> <xss:annotation> <xss:documentation>Location where the Delay occurred</xss:documentation> </xss:annotation> </xss:element> </pre>

element DelayMinutes

diagram	<pre> classDiagram class DelayMinutes { <<Identifieis the delay (in minutes) of a train for a specified cause>> } </pre>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	String1-5									
properties	content simple									
used by	element DelayCauseTime									
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>5</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	5	
Kind	Value	Annotation								
minLength	1									
maxLength	5									
annotation	documentation Identifieis the delay (in minutes) of a train for a specified cause									
source	<pre> <xss:element name="DelayMinutes" type="String1-5"> <xss:annotation> <xss:documentation>Identifieis the delay (in minutes) of a train for a specified cause</xss:documentation> </xss:annotation> </xss:element> </pre>									

	</xs:element>
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element **DeliveryAtDestination**

diagram	<p>DeliveryAtDestination</p> <p>Place, Date and Time when the wagon is ready to be picked up by the customer</p> <p>Destination Destination Location</p> <p>DeliveryTimeAtDestination</p> <p>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</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:annotation> </xs:annotation> </xs:element> </pre>

element **DeliveryInterchangePoint**

diagram	<p>DeliveryInterchangePoint</p> <p>Place where the responsibility of a wagon is changed and the date and time when the wagon responsibility is handed over</p> <p>Location Identifies a Location using a LocationIdent</p> <p>DeliveryTimeAtInterchange</p> <p>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</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	Location DeliveryTimeAtInterchange
used by	element WagonInterchangeNoticeMessage
annotation	documentation Place where the responsibility of a wagon is changed and the date and time when the wagon responsibility is handed over
source	<pre> <xs:element name="DeliveryInterchangePoint"> </pre>

	<pre> <xs:annotation> <xs:documentation>Place where the responsibility of a wagon is changed and the date and time when the wagon responsibility is handed over</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:element </xs:sequence> </xs:complexType> </xs:element> </pre> <p style="text-align: right;"><i>ref="Location"/> ref="DeliveryTimeAtInterchange"/></i></p>
--	--

element DeliveryReference

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:string									
properties	content simple									
used by	elements 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>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>30</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	30	
Kind	Value	Annotation								
minLength	1									
maxLength	30									
source	<pre> <xs:element <xs:annotation/> <xs:simpleType> <xs:restriction> <xs:maxLength <xs:minLength </xs:restriction> </xs:simpleType> </xs:element> </pre> <p style="text-align: right;"><i>name="DeliveryReference"> base="xs:string"> value="30"/> value="1"/></i></p>									

element DeliveryTimeAtDestination

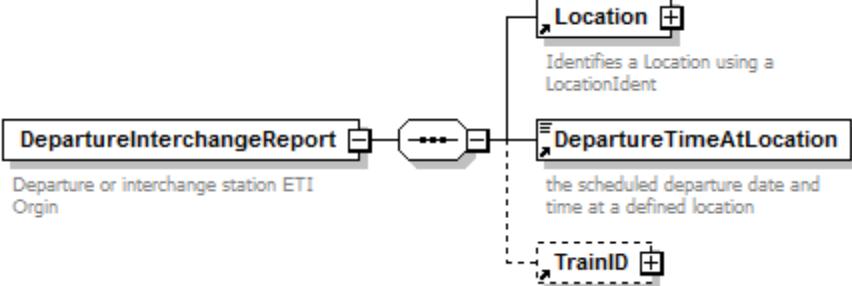
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
used by	element DeliveryAtDestination
annotation	documentation The actual Date and Time when the wagon is delivered to the customer siding or when the wagon is ready for pick-up by the customer
source	<pre> <xs:element name="DeliveryTimeAtDestination" type="xs:dateTime"> <xs:annotation> </pre>

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

element DeliveryTimeAtInterchange

diagram	 <p>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</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
used by	elements DeliveryInterchangePoint 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	<pre><xs:element name="DeliveryTimeAtInterchange" type="xs:dateTime"> <xs:annotation> <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> </xs:annotation> </xs:element></pre>

element DepartureInterchangeReport

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element></pre>

	<pre> <xss:complexType> <xss:sequence> <xss:element ref="Location"/> <xss:element ref="DepartureTimeAtLocation"/> <xss:element ref="TrainID" minOccurs="0"/> </xss:sequence> </xss:complexType> </xss:element> </pre>
--	---

element DepartureJourneyTrack

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xss:element name="DepartureJourneyTrack" type="LocationIdent"> <xss:annotation> <xss:documentation>Indicates the track ID on which the train will start its journey.</xss:documentation> </xss:annotation> </xss:element> </pre>

element DepartureTimeAtLocation

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
used by	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/2.4
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	<p>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.</p>
source	<pre><xs:element name="DepartureTrackAtLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>Indicates the track ID on which the train runs. The track of the departure of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode.</xs:documentation> </xs:annotation> </xs:element></pre>

element Destination

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	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/2.4
properties	content complex
children	LengthCode Length Width Height
used by	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: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/2.4									
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 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>									

	</xs:element>
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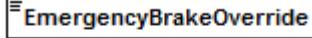
element **DwellTime**

diagram	 <p>The minimum duration of dwell time expressed in minutes</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
type	restriction of xs:decimal						
properties	content simple						
used by	element TimingAtLocation						
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>fractionDigits</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	fractionDigits	1	
Kind	Value	Annotation					
fractionDigits	1						
annotation	<p>documentation</p> <p>The minimum duration of dwell time expressed in minutes</p>						
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	 <p>Generic eMail address in Free text</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	CommunicationRefID									
properties	content simple									
used by	elements AdministrativeContactInformation Customer/Contacts									
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>70</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	70	
Kind	Value	Annotation								
minLength	1									
maxLength	70									
annotation	<p>documentation</p> <p>Generic eMail address in Free text</p>									
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/2.4
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/2.4
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/2.4
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></pre>

	<pre><xs:documentation>The end date/time in effect</xs:documentation> </xs:annotation> </xs:element></pre>
--	--

element **EndLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	<u>LocationIdent</u>
properties	content complex
children	<u>CountryCodeISO</u> <u>LocationPrimaryCode</u> <u>PrimaryLocationName</u> <u>LocationSubsidiaryIdentification</u>
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	<pre> classDiagram class ErrorMessage { <<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.>> } class MessageHeader class MessageStatus class AdministrativeContactInformation class ErrorCauseReference { <<The reference to the message and its particular element(s) that caused the error is provided here>> } class Error { <<1..>> } class PlannedTransportIdentifiers { <<0..>> } class TransportOperationalIdentifiers { <<0..>> } ErrorMessage --> MessageHeader ErrorMessage --> MessageStatus ErrorMessage --> AdministrativeContactInformation ErrorMessage --> ErrorCauseReference ErrorMessage --> Error ErrorMessage --> PlannedTransportIdentifiers ErrorMessage --> TransportOperationalIdentifiers </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	MessageHeader MessageStatus AdministrativeContactInformation ErrorCauseReference Error PlannedTransportIdentifiers TransportOperationalIdentifiers
annotation	<p>documentation</p> <p>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.</p>
source	<pre> <xsd:element name="ErrorMessage"> <xsd:annotation> <xsd: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.</xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:sequence> <xsd:element ref="MessageHeader"/> <xsd:element ref="MessageStatus"/> <xsd:element ref="AdministrativeContactInformation"/> <xsd:element name="ErrorCauseReference" minOccurs="0"> <xsd:annotation> <xsd:documentation>The reference to the message and its particular element(s) that caused the error is provided here</xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:sequence> <xsd:element ref="MessageReference"/> <xsd:element name="MessageSenderReference" type="FreeText" minOccurs="0"/> </xsd:sequence> </xsd:complexType> </xsd:element> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>

	<pre> </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> <xs:enumeration base="xs:integer" value="0"/> <xs:enumeration base="xs:integer" value="1"/> <xs:enumeration base="xs:integer" 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> <xs:enumeration base="xs:integer" value="1"/> <xs:enumeration base="xs:integer" value="2"/> <xs:enumeration base="xs:integer" value="3"/> <xs:enumeration base="xs:integer" 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> <xs:minInclusive base="xs:integer" value="1"/> <xs:maxInclusive base="xs:integer" value="9999"/> <xs:pattern base="xs:integer" value="\d"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="FreeTextField"/> </pre>
--	--

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

element ErrorMessage/ErrorCauseReference

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 1 content complex
children	MessageReference MessageSenderReference
annotation	documentation The reference to the message and its particular element(s) that caused the error is provided here
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:complexType> <xs:sequence> <xs:element ref="MessageReference"/> <xs:element 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/2.4
type	FreeText
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	<pre><xs:element name="MessageSenderReference" type="FreeText" minOccurs="0"/></pre>

element ErrorMessage/Error

diagram	<pre> classDiagram class Error { TagReference TypeOfError Severity ErrorCode FreeTextField } Error < --> TagReference Error < --> TypeOfError Error < --> Severity Error < --> ErrorCode Error < --> FreeTextField Error "1..∞" </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 1 maxOcc unbounded content complex
children	TagReference TypeOfError Severity ErrorCode FreeTextField
source	<pre> <xss:element name="Error" maxOccurs="unbounded"> <xss:complexType> <xss:sequence> <xss:element name="TagReference" type="xs:string" minOccurs="0"> <xss:annotation> <xss:documentation>This is a placeholder for XPath expression indicating the element of the orginal message which caused the error.</xss:documentation> </xss:annotation> </xss:element> <xss:element name="TypeOfError" type="xs:int" minOccurs="0"> <xss:annotation> <xss: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)</xss:documentation> </xss:annotation> </xss:element> <xss:element name="Severity" type="xs:int" minOccurs="0"> <xss:annotation> <xss: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.</xss:documentation> </xss:annotation> </xss:element> <xss:element name="ErrorCode" type="xs:int" minOccurs="0"> <xss:annotation> <xss: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. "</xss:documentation> </xss:annotation> </xss:element> <xss:element name="FreeTextField" type="xs:string" minOccurs="0"> <xss:annotation> <xss:documentation>Free Text</xss:documentation> </xss:annotation> </xss:element> </xss:sequence> </xss:complexType> </xss:element> </pre>

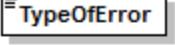
	<pre> system failure (2 = TECHNICAL) or both (0 = BOTH)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration> <xs:enumeration> <xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Severity"> <xs:annotation> <xs:documentation>1 = WARNING 2 = 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> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:enumeration> </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> <xs:minInclusive value="1"/> <xs:maxInclusive value="9999"/> <xs:pattern value="\d"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="FreeTextField"/> </xs:sequence> </xs:complexType> </xs:element></pre>
--	---

element ErrorMessage/Error/TagReference

diagram	<p>This is a placeholder for XPath expression indicating the element of the original message which caused the error.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	<code>xs:string</code>

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	 <p>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)</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
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> <tr> <td>enumeration</td> <td>2</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	0		enumeration	1		enumeration	2	
Kind	Value	Annotation											
enumeration	0												
enumeration	1												
enumeration	2												
annotation	<p>documentation</p> <p>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)</p>												
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> </xs:element></pre>												

element ErrorMessage/Error/Severity

diagram	 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.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:integer
properties	content simple
facets	Kind Value Annotation enumeration 1 enumeration 2 enumeration 3 enumeration 4
annotation	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.
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:element></pre>

element ErrorMessage/Error/ErrorCode

diagram	 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."
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:integer
properties	content simple
facets	Kind Value Annotation minInclusive 1

	maxInclusive 9999 pattern \d
annotation	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."
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 base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="9999"/> <xs:pattern value="\d"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element EstimatedEndDate

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
source	<xs:element name="EstimatedEndDate" type="xs:dateTime"/>

element ExceptionalGaugingCode

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:string									
properties	content simple									
used by	element ExceptionalGaugingIdent									
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>24</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	24	
Kind	Value	Annotation								
minLength	1									
maxLength	24									
annotation	documentation Acceptance agreement number, coded in UIC 404-2 chapter 4.9.2									
source	<pre><xs:element name="ExceptionalGaugingCode"> <xs:annotation> <xs:documentation>Acceptance agreement number, coded in UIC 404-2 chapter 4.9.2</xs:documentation> </xs:annotation> <xs:simpleType></pre>									

	<pre> <xs:restriction> <xs:minLength value="1"/> <xsmaxLength value="24"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	--

element ExceptionalGaugingIdent

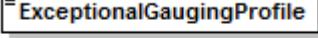
diagram	<pre> classDiagram class ExceptionalGaugingIdent class IM_Partner class ExceptionalGaugingCode ExceptionalGaugingIdent --o IM_Partner ExceptionalGaugingIdent --o ExceptionalGaugingCode </pre> <p>Indicates that an exceptional Gauging is in the train or for the wagon</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	IM_Partner ExceptionalGaugingCode
used by	elements PlannedTrainData WagonOperationalData
annotation	<p>documentation</p> <p>Indicates that an exceptional Gauging is in the train or for the wagon</p>
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:element> </pre> <p>or</p> <pre> <xs:complexType> <xs:sequence> <xs:element ref="IM_Partner"/> <xs:element ref="ExceptionalGaugingCode"/> </xs:sequence> </xs:complexType> </pre>

element ExceptionalGaugingInd

diagram	<pre> classDiagram class ExceptionalGaugingInd </pre> <p>Indicates that an exceptional gauging is in the train or for the wagon - (true/false)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:boolean
properties	content simple
used by	element TrainRunningData
annotation	<p>documentation</p> <p>Indicates that an exceptional gauging is in the train or for the wagon - (true/false)</p>
source	<pre> <xs:element name="ExceptionalGaugingInd" type="xs:boolean"> <xs:annotation> </pre>

	<pre> <xs:documentation>Indicates that an exceptional gauging is in the train or for the wagon - (true/false)</xs:documentation> </xs:annotation> </xs:element> </pre>
--	---

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/2.4									
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	documentation Identification of special load. Coding found in 404-2 chapter 4.9.1 (4AN + 3N)									
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 <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element **ExceptionPoint**

diagram	<pre> classDiagram class Location { <<Identifies a Location using a LocationIdent>> } class ResponsibleRU { <<RU Responsible for the physical operation of the train or wagon>> } class ExceptionPoint { <<Describes the interruption points with location and the time of the interruption>> } class WagonLocationStatus { <<Identifies the status of a wagon, related to the actual time at a reporting point>> } class ScheduledTimeAtLocation { <<Scheduled Date and Time at a location related to the status of the train or wagon at the given location>> } class ExceptionTimeAtLocation { <<The Date and Time when something unexpected happens during the transportation related to a location>> } Location < -- ExceptionPoint ResponsibleRU < -- ExceptionPoint ExceptionPoint --> WagonLocationStatus ExceptionPoint --> ScheduledTimeAtLocation ExceptionPoint --> ExceptionTimeAtLocation </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xss:element name="ExceptionPoint"> <xss:annotation> <xss:documentation>Describes the interruption points with location and the time of the interruption</xss:documentation> <xss:annotation>of the interruption</xss:annotation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="Location"/> <xss:element ref="ResponsibleRU"/> <xss:element ref="WagonLocationStatus"/> <xss:element ref="ScheduledTimeAtLocation"/> <xss:element ref="ExceptionTimeAtLocation"/> </xss:sequence> </xss:complexType> </xss:element> </pre>

element **ExceptionReason**

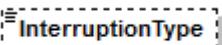
diagram	<pre> classDiagram class ExceptionReason { <<Identifies the reason of an unexpected interruption for a wagon during the transportation. In addition it allows to put in a more detailed description>> } class WagonInterruptionReason class InterruptionDescription { <<The free text description of an interruption>> } class InterruptionType ExceptionReason "1" --> "1" WagonInterruptionReason ExceptionReason "1" --> "1" InterruptionDescription ExceptionReason "1" --> "1" InterruptionType </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xss:element name="ExceptionReason"> <xss:annotation> <xss: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</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element name="WagonInterruptionReason" minOccurs="0"> <xss:simpleType> <xss:restriction> <xss:enumeration value="wagon" base="xs:token"> damaged /> <xss:enumeration value="change" of="route"/> <xss:enumeration value="other"/> </xss:restriction> </xss:simpleType> </xss:element> <xss:element ref="InterruptionDescription" minOccurs="0"/> <xss:element name="InterruptionType" minOccurs="0"> <xss:simpleType> <xss:restriction> <xss:length value="1"/> <xss:enumeration value="0"> <xss:annotation> <xss:documentation>Damage does not cause an interruption of run</xss:documentation> </xss:annotation> </xss:enumeration> <xss:enumeration value="1"> <xss:annotation> <xss:documentation>Damage causes an interruption of transport run</xss:documentation> </xss:annotation> </xss:enumeration> <xss:enumeration value="2"> <xss:annotation> <xss:documentation>other (no damage)</xss:documentation> </xss:annotation> </xss:enumeration> </xss:restriction> </xss:simpleType> </xss:element> </xss:sequence> </xss:complexType> </xss:element> </pre>
transport	<pre> <xss:annotation> <xss:documentation>Damage does not cause an interruption of run</xss:documentation> </xss:annotation> <xss:enumeration value="1"> <xss:annotation> <xss:documentation>Damage causes an interruption of transport run</xss:documentation> </xss:annotation> </xss:enumeration> <xss:enumeration value="2"> <xss:annotation> <xss:documentation>other (no damage)</xss:documentation> </xss:annotation> </xss:enumeration> </pre>

	<pre> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
--	---

element ExceptionReason/WagonInterruptionReason

diagram													
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
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 base="xs:token"> <xs:enumeration value="wagon" of="damaged"/> <xs:enumeration value="change" of="route"/> <xs:enumeration value="other"/> </xs:restriction> </xs:simpleType> </xs:element></pre>												

element ExceptionReason/InterruptionType

diagram																
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4															
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>length</td> <td>1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>0</td> <td>documentation Damage does not cause an interruption of transport run</td> </tr> <tr> <td>enumeration</td> <td>1</td> <td>documentation Damage causes an interruption of transport run</td> </tr> <tr> <td>enumeration</td> <td>2</td> <td>documentation other (no damage)</td> </tr> </tbody> </table>	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)
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:restriction> </xs:simpleType> </xs:element></pre>															

	<pre> <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> </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/2.4
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> </xs:element> </pre>

element FaxNumber

diagram	 <p>Generic Fax number in Free text</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:boolean
properties	content simple
used by	element RollingStockDataset/DesignDataSet
source	<pre><xs:element name="FerryPermittedFlag" type="xs:boolean"/></pre>

element FreeTextField

diagram	 <i>Free Text</i>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	FreeText
properties	content simple
used by	elements AdministrativeContactInformation ErrorMessage/Error PathCanceledMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage PlannedJourneyLocation
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 Text</xs:documentation> </xs:annotation> </xs:element></pre>

element FreightFlag

diagram	 <i>Identifies that the Entity or Location is for Freight Activity</i>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

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	<p>The diagram shows the GeographicalCoordinates element as a rectangular box with a double-line border. Inside, there is a smaller box labeled GeographicalCoordinates with a single-line border. Below it is a text box containing the documentation: "Longitude and latitude as defined in UIC Leafle 920-2".</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<p>The diagram shows the GeographicCoordinates element as a rectangular box with a double-line border. It has two children: Latitude and Longitude, represented by boxes with single-line borders. Below the GeographicCoordinates box is the text "Latitude and Longitude of location". To the right of the Latitude box is the text "Latitudinal Coordinates as expressed in decimal degrees". To the right of the Longitude box is the text "Longitudinal Coordinates as expressed in decimal degrees".</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	Latitude Longitude
used by	elements 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:element></pre>

	<pre><xs:sequence> <xs:element <xs:element </xs:sequence> </xs:complexType> </xs:element></pre> <p style="text-align: right;"><code>ref="Latitude"/></code> <code>ref="Longitude"/></code></p>
--	--

element Goods

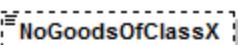
diagram	<p>NoGoodsOfClassX Element has to be filled with the class of the dangerous goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter 2 (5.4.1.5 RID)</p> <p>RID The requirement (optional/mandatory) of the RID detail tags depend on the dangerous good and the regarding 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> <p>Packing Packing information</p> <p>NHM_Code NHM code of the goods</p> <p>PreviousLoadedGood</p> <p>GoodsDescription This element describes the goods of the shipment as free text</p> <p>AdditionalGoodInformation Additional information regarding the loaded good, given by the customer.</p> <p>GrossWeight Total weight of the goods either in a wagon or a transportation unit. It is the booked weight of the goods including packing</p> <p>HS_Code HS-Code for sensible goods (appendix 44c of CCP) 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> <p>EWC_Key Numeric key according to the European Waste Catalogue</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	<u>NoGoodsOfClassX</u> <u>RID</u> <u>Packing</u> <u>NHM_Code</u> <u>PreviousLoadedGood</u> <u>GoodsDescription</u> <u>AdditionalGoodInformation</u> <u>GrossWeight</u> <u>HS Code</u> <u>EWC Key</u>
used by	elements <u>WIMO Dataset/ConsignmentLevelData</u> <u>ITU RollingRoadUnit</u> <u>Wagons</u>
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 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> <xs:element ref="RID" minOccurs="0"/> <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:documentation>CODE: UN/ECE-Recommendation No. 21</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="2"/> <xs:minLength value="1"/> </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 value="1"/> <xs:maxInclusive value="99999"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<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> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="NHM_Code" minOccurs="0"/> <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, by the customer.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="GrossWeight" /> <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 <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:restriction> </xs:simpleType> </xs:element> </pre>
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	<pre> <xs:maxLength <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>	<code>value="6"/></code> <code>value="\d*"/></code>
--	---	--

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>										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4										
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> <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>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>										
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 <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element></pre>										

element **Goods/Packing**

diagram	<p>NatureOfPacking Nature of packing according to the UN/ECE Recommandation No 21</p> <p>NumberOfPackages Number of packages.</p> <p>PackageIdentification 0..99 Particular marks and numbers to identify less than wagon load assignments.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 Recommandation No 21</xs:documentation> <xs:documentation>CODE: 21</xs:documentation> <xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="2"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:annotation> </xs:annotation> </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 value="1"/> <xs:maxInclusive value="99999"/> </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 wagon load assignments.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
than	than

	<pre> <xs:simpleType> <xs:restriction> <xs:maxLength <xs:minLength </xs:minLength> </xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>	<pre> base="xs:string"> value="35"/> value="1"/> </pre>
--	---	--

element Goods/Packing/NatureOfPacking

diagram	 <p>Nature of packing according to the UN/ECE Recommandation No 21</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>2</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	2	
Kind	Value	Annotation								
minLength	1									
maxLength	2									
annotation	<p>documentation</p> <p>Nature of packing according to the UN/ECE Recommandation No 21</p> <p>documentation</p> <p>CODE: UN/ECE-Recommendation No. 21</p>									
source	<pre> <xs:element name="NatureOfPacking" minOccurs="0"> <xs:annotation> <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:minLength> </xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element Goods/Packing/NumberOfPackages

diagram	 <p>Number of packages.</p>			
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4			
type	restriction of xs:int			
properties	minOcc 0 maxOcc 1 content simple			
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> </table>	Kind	Value	Annotation
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	<p>Particular marks and numbers to identify less than wagon load assignments.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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

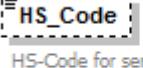
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	NHMCodeType

properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 6 pattern \d*[1-9]\d*
source	<xs:element name="PreviousLoadedGood" type="NHMCodeType" minOccurs="0"/>

element Goods/AdditionalGoodInformation

diagram	 Additional information regarding the loaded good, given by the customer.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Additional information regarding the loaded good, given by the customer.
source	<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>

element Goods/HS_Code

diagram	 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.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	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>

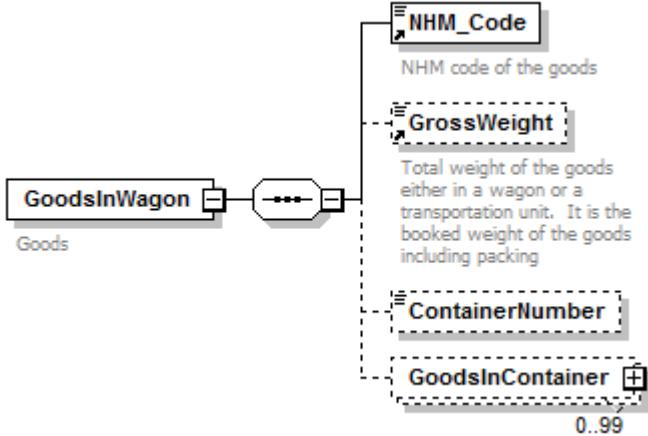
element Goods/EWC_Key

diagram	
	Numeric key according to the European Waste Catalogue
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	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/2.4
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/2.4
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:element></pre>

	<pre> <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/2.4
type	EquipmentNumberType
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 13
source	<pre> <xs:element name="ContainerNumber" type="EquipmentNumberType" minOccurs="0"/> </pre>

element GoodsInWagon/GoodsInContainer

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> </pre>

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

element **GrossWeight**

diagram													
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
type	WeightValueKilo												
properties	content simple												
used by	elements Goods GoodsInWagon / GoodsInContainer GoodsInWagon												
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	<p>documentation</p> <p>Total weight of the goods either in a wagon or a transportation unit. It is the booked weight of the goods including packing</p>												
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/2.4
properties	content complex
children	HandBrakeType HandBrakedWeight ParkingBrakeForce
used by	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 name="ParkingBrakeForce" minOccurs="0"> <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> </xs:sequence> </xs:complexType> </xs:element></pre>

element HandBrake/HandBrakedWeight

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>totalDigits</td> <td>4</td> <td></td> </tr> <tr> <td>fractionDigits</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	totalDigits	4		fractionDigits	1	
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> <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> </pre>
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element HandBrake/ParkingBrakeForce

diagram	 <p>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.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>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	<p>documentation</p> <p>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.</p>									
source	<pre> <xs:element name="ParkingBrakeForce" minOccurs="0"> <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>									

element HandlingInstruction

diagram	 <p>Special instructions regarding the handling of the wagon or shipment in free text</p>
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namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	FreeText
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Special instructions regarding the handling of the wagon or shipment in free text
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	<p>Identifies if the location is a Handover Point from IM to IM</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
used by	element LocationPrimaryInformation
annotation	documentation Identifies if the location is a Handover Point from IM to IM
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	<p>Height of ITU</p> <p>Measure used, either ft or mm</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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></pre>

	<pre> <xs:complexType> <xs:sequence> <xs:element <xs:element </xs:sequence> </xs:complexType> </xs:element> </pre> <p style="text-align: right;"><code>ref="Value"/></code> <code>ref="Measure"/></code></p>
--	--

element **HighestPlannedSpeed**

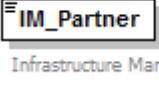
diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	Speed									
properties	content simple									
used by	element PlannedTrainTechnicalData									
facets	<table border="1"> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <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 (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/2.4
properties	content complex
children	PlannedTransportIdentifiers RelatedPlannedTransportIdentifiers
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:element ref="RelatedPlannedTransportIdentifiers" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre>maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>
--	--

element IM_Partner

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	CompanyCode									
properties	content simple									
used by	elements Wagons/WagonDetails/ExceptionalConsignment ExceptionalGaugingIdent									
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	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										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	CompanyCode									
properties	content simple									
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	documentation The RU impacted by a restriction									
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/2.4
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	element NextIntermediateDestination
annotation	documentation A location on the route of a train
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>

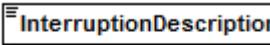
element **InternalReferenceIdentifier**

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	FreeText									
properties	content simple									
used by	elements DelayCauseTime InterruptionPoint/Interruption InterruptionInformation TrainJourneyModificationMessage									
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 link to the IM System Reference									
source	<pre><xs:element name="InternalReferenceIdentifier" type="FreeText"> <xs:annotation> <xs:documentation>The link to the IM System Reference</xs:documentation> </xs:annotation> </xs:element></pre>									

element InterruptionDateTime

diagram	
	Date and Time when the Train was interrupted
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
used by	elements InterruptionPoint/Interruption InterruptionInformation
annotation	documentation Date and Time when the Train was interrupted
source	<pre><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></pre>

element InterruptionDescription

diagram	
	The free text description of an interruption
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<pre><xs:element name="InterruptionDescription" type="FreeText"> <xs:annotation> <xs:documentation>The free text description of an interruption</xs:documentation> </xs:annotation> </xs:element></pre>

element 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/2.4
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 class Location class Interruption class InterruptionDuration class Remarks InterruptionPoint "0..1" -- "1" Location InterruptionPoint "0..1" -- "1" Interruption InterruptionPoint "0..1" -- "1" InterruptionDuration InterruptionPoint "*" -- "1..*" Remarks classDiagram </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	Location DetailedDescriptionOfLocation Interruption InterruptionDuration Remarks
used by	element TrainRunningInterruptionMessage
annotation	documentation describes the interruption points with location and the reason for the interruption
source	<pre> <xs:element name="InterruptionPoint"> <xs:annotation> <xs:documentation>describes the interruption points with location and the reason for the interruption</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element name="DetailedDescriptionOfLocation" type="FreeText" minOccurs="0"/> <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> <xs:element name="InterruptionDuration" minOccurs="0"> <xs:annotation> <xs:documentation>To specifiy the probable duration of the interruption</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="EarliestEndDateTime" type="xs:dateTime" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <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> <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/2.4									
type	<u>FreeText</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>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

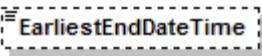
diagram	<p>The diagram illustrates the structure of the Interruption element. It consists of a central box labeled "Interruption" connected via a line with three dots to four other boxes: "InterruptionReason", "InterruptionDateTime", "InterruptionDescription", and "InternalReferenceIdentifier". "InterruptionReason" is described as identifying the reason for an interruption. "InterruptionDateTime" is the date and time when the train was interrupted. "InterruptionDescription" is a free text description of the interruption, with a multiplicity of 0..∞. "InternalReferenceIdentifier" is the link to the IM System Reference.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<p>The diagram illustrates the structure of the InterruptionDuration element. It consists of a central box labeled "InterruptionDuration" connected via a line with three dots to two other boxes: "EarliestEndDateTime" and "LatestEndDateTime". "EarliestEndDateTime" is the forecasted earliest time for the end of the interruption. "LatestEndDateTime" is the forecasted latest time for the end of the interruption.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element></pre>

	<pre> </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>
--	---

element InterruptionPoint/InterruptionDuration/EarliestEndDateTime

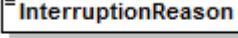
diagram	 <p>EarliestEndDateTime</p> <p>Forecasted earliest time for end of interruption</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Forecasted earliest time for end of interruption
source	<pre> <xs:element 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	 <p>LatestEndDateTime</p> <p>Forecasted latest time for end of interruption</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> </pre>

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

element InterruptionReason

diagram	 <p>This element identifies the reason for an interruption of the train running</p>																																																																																																			
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																																																																																																			
type	DelayCode																																																																																																			
properties	content simple																																																																																																			
used by	elements ChangeofTrackMessage InterruptionPoint/Interruption InterruptionInformation																																																																																																			
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>11</td><td></td></tr> <tr><td>enumeration</td><td>10</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>18</td><td></td></tr> <tr><td>enumeration</td><td>19</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> <tr><td>enumeration</td><td>24</td><td></td></tr> <tr><td>enumeration</td><td>25</td><td></td></tr> <tr><td>enumeration</td><td>28</td><td></td></tr> <tr><td>enumeration</td><td>29</td><td></td></tr> <tr><td>enumeration</td><td>31</td><td></td></tr> <tr><td>enumeration</td><td>30</td><td></td></tr> <tr><td>enumeration</td><td>32</td><td></td></tr> <tr><td>enumeration</td><td>39</td><td></td></tr> <tr><td>enumeration</td><td>40</td><td></td></tr> <tr><td>enumeration</td><td>41</td><td></td></tr> <tr><td>enumeration</td><td>50</td><td></td></tr> <tr><td>enumeration</td><td>51</td><td></td></tr> <tr><td>enumeration</td><td>52</td><td></td></tr> <tr><td>enumeration</td><td>53</td><td></td></tr> <tr><td>enumeration</td><td>54</td><td></td></tr> <tr><td>enumeration</td><td>58</td><td></td></tr> <tr><td>enumeration</td><td>59</td><td></td></tr> <tr><td>enumeration</td><td>60</td><td></td></tr> <tr><td>enumeration</td><td>61</td><td></td></tr> <tr><td>enumeration</td><td>62</td><td></td></tr> <tr><td>enumeration</td><td>63</td><td></td></tr> </tbody> </table>	Kind	Value	Annotation	enumeration	11		enumeration	10		enumeration	12		enumeration	13		enumeration	14		enumeration	18		enumeration	19		enumeration	20		enumeration	21		enumeration	22		enumeration	23		enumeration	24		enumeration	25		enumeration	28		enumeration	29		enumeration	31		enumeration	30		enumeration	32		enumeration	39		enumeration	40		enumeration	41		enumeration	50		enumeration	51		enumeration	52		enumeration	53		enumeration	54		enumeration	58		enumeration	59		enumeration	60		enumeration	61		enumeration	62		enumeration	63	
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	enumeration 83
	enumeration 84
	enumeration 89
	enumeration 90
	enumeration 91
	enumeration 92
	enumeration 93
	enumeration 94
	enumeration 95
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	<pre> classDiagram class ITU { <<Describes the type and content of an IntermodalTransportUnit>> } class ITU_Details { <<Details for Intermodal Transport Unit on wagon>> } class Goods { <<Describes the goods inside the means of transport>> } class SummaryOfGoodsWithSameRID { <<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>> } ITU "1..99" --> ITU_Details ITU "1..99" --> Goods ITU "1..99" --> SummaryOfGoodsWithSameRID ITU_Details "0..25" --> Goods </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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"></pre>

	<pre><xs:annotation> <xs:documentation>Describes the type and content of an IntermodalTransportUnit</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:annotation> <xs:documentation>Details for Intermodal Transport Unit on wagon</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="Goods" <xs:element ref="SummaryOfGoodsWithSameRID" maxOccurs="99" minOccurs="0" maxOccurs="25"/> </xs:sequence> </xs:complexType> </xs:element></pre>
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element ITU_Details

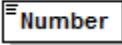
diagram	<p>ITU_Details</p> <p>Details for ITU on wagon</p> <p>The diagram illustrates the structure of the ITU_Details element. It consists of a main container box labeled "ITU_Details" which is connected via a dashed line to a central connector node. This node is then connected via another dashed line to a long vertical list of sub-elements. Each sub-element is represented by a box with a small square icon containing a symbol (e.g., a keyhole, a plus sign) and a descriptive label below it.</p> <ul style="list-style-type: none"> ITU_Type: Type of Intermodal Transport Unit. Further information is given for each enumeration element. Number: ITU number LoadingStatus: Loading status of the equipment. 0=Empty, 1=Loaded ITU_TypeDetail Prefix: Prefix Checkdigit: Check digit Dimensions: Dimensions of the UTI. TareWeight: Tare weight [kg] of UTI. SwapBodyCodification: Codification used for swap bodies according to UIC/UIRR regulations Forwarding: Final destination of the UTI. Ship: Additional information for transports, which shall be handed over to a ship TurnInNumber: Reference number used for empty containers in depots of shipping company. DeliveryReference OriginCountry: Code of origin country of the UTI. DepartureCountry: Code of departure country of the UTI. UltimateDestinationCountry: Country of Ultimate Destination Seals: Describes the seals used for the consignment ReferenceNumbers: This element contains references according to NCTS or EMCS law. This element MUST NOT be empty!
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <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"/> <xsmaxLength value="5"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> </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:element ref="Dimensions" 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 CODE:</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="3"/> <xs:maxLength 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"> <xs:maxLength value="80"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Ship" minOccurs="0"> <xs:annotation/> </xs:element> <xs:element name="TurnInNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Reference number used for empty containers in shipping company.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="30"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
UIC/UIRR	
depots	

	<pre> <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"/> <xs:element ref="Seals" minOccurs="0"/> <xs:element ref="ReferenceNumbers" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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element ITU_Details/Number

diagram	 Number ITU number									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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 number</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="EquipmentNumberType"/> </xs:simpleType> </xs:element> </pre>									

element ITU_Details/ITU_TypeDetail

diagram	 ITU_TypeDetail															
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4															
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> </tbody> </table>	Kind	Value	Annotation	enumeration	BX		enumeration	BK		enumeration	FL		enumeration	HT	
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	 Prefix
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element> </pre>

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:string"> value="1"/> value="5"/> </pre>
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element ITU_Details/Checkdigit

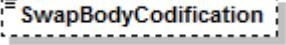
diagram		
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4	
type	restriction of xs:int	
properties	minOcc 0 maxOcc 1 content simple	
facets	Kind Value Annotation totalDigits 1	
annotation	documentation Check digit	
source	<pre> <xs:element name="Checkdigit" minOccurs="0"> <xs:annotation> <xs:documentation>Check digit</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:totalDigits </xs:restriction> </xs:simpleType> </xs:element> </pre>	

element ITU_Details/TareWeight

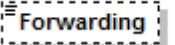
diagram		
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4	
type	WeightValueKilo	
properties	content simple	
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse	
annotation	documentation Tare weight [kg] of UTI.	
source	<pre> <xs:element name="TareWeight" type="WeightValueKilo"> <xs:annotation> <xs:documentation>Tare weight [kg] of UTI.</xs:documentation> </xs:annotation> </pre>	

	</xs:element>
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element ITU_Details/SwapBodyCodification

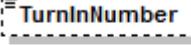
diagram	 <p>Codification used for swap bodies according to UIC/UIRR regulations</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:string									
properties	minOcc 0 maxOcc 1 content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>3</td> <td></td> </tr> <tr> <td>maxLength</td> <td>4</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	3		maxLength	4	
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

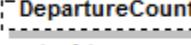
diagram	 <p>Final destination of the UTI.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:string									
properties	minOcc 0 maxOcc 1 content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>80</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	80	
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> </pre>									

	<pre> <xs:restriction> <xs:maxLength value="80"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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element ITU_Details/TurnInNumber

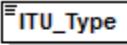
diagram	 <p>Reference number used for empty containers in depots of shipping company.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:string									
properties	minOcc 0 maxOcc 1 content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>30</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	30	
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	 <p>Code of departure country of the UTI.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	CountryIdentISO									
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>2</td> <td></td> </tr> <tr> <td>maxLength</td> <td>2</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	2		maxLength	2	
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	 <p>Type of ITU. Further information is given for each enumeration element.</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
type	restriction of EquipmentTypeType												
properties	content simple												
used by	element ITU_Details												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>cn</td> <td>documentation Container</td> </tr> <tr> <td>enumeration</td> <td>sw</td> <td>documentation swap body</td> </tr> <tr> <td>enumeration</td> <td>te</td> <td>documentation Trailer (RollingRoad)</td> </tr> </tbody> </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 element.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="EquipmentTypeType"/> </xs:simpleType> </xs:element></pre>												

element **JourneySection**

diagram	<pre> classDiagram class JourneySection { <<Defines the data provided by the IM for a journey section>> } class JourneySectionDestination { <<Destination of the section on which train composition is unchanged>> } class JourneySectionOrigin { <<Origin of the section on which train composition is unchanged>> } class ResponsibilityActualSection { <<This element identifies the responsible RU or IM for the actual path section>> } class ResponsibilityNextSection { <<This element identifies the responsible RU and IM for the following path section>> } JourneySection < -- JourneySectionDestination JourneySection < -- JourneySectionOrigin JourneySection < -- ResponsibilityActualSection JourneySection < -- ResponsibilityNextSection </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <x:element name="JourneySection"> <x:annotation> <x:documentation>Defines the data provided by the IM for a journey section</x:documentation> </x:annotation> <x:complexType> <x:sequence> <x:element name="JourneySectionDestination"> <x:annotation> <x:documentation>Destination of the section on which train composition is unchanged</x:documentation> </x:annotation> <x:complexType> <x:complexContent> <x:extension base="LocationIdent"> <x:sequence minOccurs="0"> <x:element ref="BookedLocationDateTime" minOccurs="0"/> </x:sequence> </x:extension> </x:complexContent> </x:complexType> </x:element> <x:element name="JourneySectionOrigin"> <x:annotation> <x:documentation>Origin of the section on which train composition is unchanged</x:documentation> </x:annotation> <x:complexType> <x:complexContent> <x:extension base="LocationIdent"> <x:sequence minOccurs="0"> <x:element ref="BookedLocationDateTime" minOccurs="0"/> </x:sequence> </x:extension> </x:complexContent> </x:complexType> </x:element> </x:sequence> </x:complexType> </x:element> </pre>

	<pre> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> <xs:element ref="ResponsibilityActualSection"/> <xs:element ref="ResponsibilityNextSection"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **JourneySection/JourneySectionDestination**

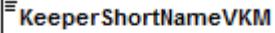
diagram	<pre> classDiagram class JourneySectionDestination { <<Destination of the section on which train composition is unchanged>> } class LocationIdent { <<extension>> } class CountryCodeISO { <<Identifies a County or State by code (ISO 3166-1)>> } class LocationPrimaryCode { <<PrimaryLocationName>> } 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>> } class BookedLocationDateTime { <<Scheduled Date and Time of a train at a specified location as defined in the path contract>> } JourneySectionDestination --> LocationIdent LocationIdent < -- CountryCodeISO LocationIdent < -- LocationPrimaryCode LocationIdent < -- PrimaryLocationName LocationIdent < -- LocationSubsidiaryIdentification BookedLocationDateTime < --> JourneySectionDestination </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	extension of LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification BookedLocationDateTime
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 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:complexType> </xs:element>
--	------------------------------------

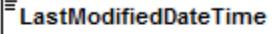
element JourneySection/JourneySectionOrigin

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	extension of LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification BookedLocationDateTime
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>

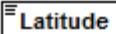
element **KeeperShortNameVKM**

diagram	 KeeperShortNameVKM Free text, short name/vehicle keeper marking of the wagon keeper
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 wagon keeper</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="10"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **LastModifiedDateTime**

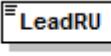
diagram	 LastModifiedDateTime Date and Time of last update or modification of data
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
annotation	documentation Date and Time of last update or modification of data
source	<pre><xs:element name="LastModifiedDateTime" 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**

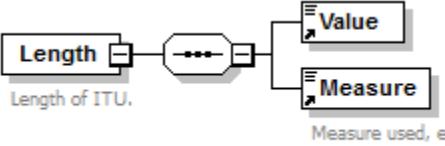
diagram	 Latitude Latitudinal Coordinates as expressed in decimal degrees
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

type	xs:float
properties	content simple
used by	element GeographicCoordinates
annotation	documentation Latitudinal Coordinates as expressed in decimal degrees
source	<pre><xs:element name="Latitude" type="xs:float"> <xs:annotation> <xs:documentation>Latitudinal Coordinates as expressed in decimal degrees</xs:documentation> </xs:annotation> </xs:element></pre>

element LeadRU

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CompanyCode
properties	content simple
used by	elements Customers PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
annotation	documentation Lead Railway Undertaking
source	<pre><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/2.4
properties	content complex
children	Value Measure
used by	elements Dimensions TractionDetails DimensionValue complexType
annotation	documentation Length of ITU.
source	<pre><xs:element name="Length"> <xs:annotation> <xs:documentation>Length of ITU.</xs:documentation> </xs:annotation> </xs:element></pre>

	<pre> <xs:complexType> <xs:sequence> <xs:element <xs:element </xs:sequence> </xs:complexType> </xs:element> </pre> <p style="text-align: right;">ref="Value"/> ref="Measure"/></p>
--	--

element LengthOfSetOfCarriages

diagram	 LengthOfSetOfCarriages <p>The calculated maximum Length of a all wagons/coaches (sum of all length over buffer of the wagons - ger. "Wagenzuglänge"). This is made optional together with TrainLengt, but it should be implemented by applications as mandatory.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	Numeric4-4									
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>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 maximum Length of a all wagons/coaches (sum of all length over buffer of the wagons - ger. "Wagenzuglänge"). This is made optional together with TrainLengt, but it should be implemented by applications as mandatory.</p>									
source	<pre> <xs:element name="LengthOfSetOfCarriages" type="Numeric4-4"> <xs:annotation> <xs:documentation>The calculated maximum Length of a all wagons/coaches (sum of all length over buffer of the wagons - ger. "Wagenzuglänge"). This is made optional together with TrainLengt, but it should be implemented by applications as mandatory.</xs:documentation> </xs:annotation> </xs:element> </pre>									

element LengthOverBuffers

diagram	 LengthOverBuffers <p>Length over buffers is expressed in cm.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:integer									
properties	content simple									
used by	elements RollingStockDataset/DesignDataSet WagonTechData									
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 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"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element LoadArea

diagram	LoadArea Payload Area - measured in M2									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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/2.4
type	restriction of xs:decimal
properties	content simple
used by	element RollingStockDataset/DesignDataSet

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

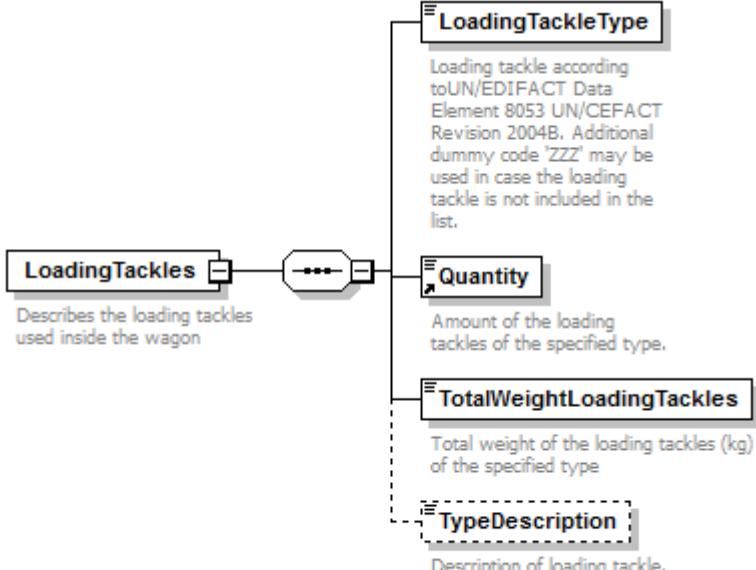
element LoadingFacility

diagram	<p>The diagram illustrates the structure of the LoadingFacility element. It consists of a central rectangular box labeled LoadingFacility, which is connected by a line to two other boxes: CustomerNumber (represented by a dashed-line box) and AdministrativeContactInformation (represented by a solid-line box with a plus sign). A callout box provides additional context: "Identifies the loading facility (in case of message type = ORU)". Another callout box for CustomerNumber states: "The customer number of the COM differs from the customer code used in TAF/TSI, its format may not accord to the TAF element". A third callout box for AdministrativeContactInformation states: "Used to define administrative contact information".</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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

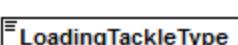
diagram	 Loading status of the equipment. 0=Empty, 1=Loaded
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:integer
properties	content simple
used by	elements ITU Details RollingRoadUnit / RollingRoadUnitDetails Wagons / WagonDetails WagonInformation
facets	Kind Value Annotation 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	 Describes the loading tackles used inside the wagon
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	LoadingTackleType Quantity TotalWeightLoadingTackles TypeDescription
used by	element 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> <xs:base>"xs:string"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Quantity"/> <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> <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>

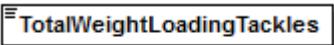
element LoadingTackles/LoadingTackleType

diagram	 <p>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.</p>
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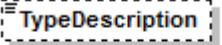
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	content simple
annotation	documentation Loading tackle according to UN/EDIFACT Data Element 8053 UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used in case the loading tackle is not included in the list.

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

element LoadingTackles/TotalWeightLoadingTackles

diagram	 <p>Total weight of the loading tackles (kg) of the specified type</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
type	<u>WeightValueKilo</u>												
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>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 loading tackles (kg) of the specified type												
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>Description of loading tackle, which is not included in the UN/EDIFACT 8053 list.</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
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>minLength</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1	
Kind	Value	Annotation					
minLength	1						

	maxLength 35
annotation	documentation Description of loading tackle, which is not included in the UN/EDIFACT 8053 list.
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 value="35"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element Location

diagram	<pre> classDiagram class Location class LocationIdent class CountryCodeISO class LocationPrimaryCode class PrimaryLocationName class LocationSubsidiaryIdentification Location "1" -- "0..1" LocationIdent LocationIdent "*" -- "*" CountryCodeISO LocationIdent "*" -- "*" LocationPrimaryCode LocationIdent "*" -- "*" PrimaryLocationName LocationIdent "*" -- "*" LocationSubsidiaryIdentification </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	elements AcceptanceInterchangePoint ArrivalInterchangeReport ConsignmentOrderMessage/COMS/COM/CustomsProcedures DeliveryInterchangePoint DepartureInterchangeReport ExceptionPoint InterruptionPoint LocationModified ProductionStation RefusalAtInterchange SpecialTreatments TrainForecastAtReportingLocationMessage TrainLocationReport WagonAtDeparture WagonEventInformation WagonPickupAtOrigin YardArrival YardDeparture
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 LocationActualTrack class LocationIdent { <<CountryCodeISO>> <<LocationPrimaryCode>> <<PrimaryLocationName>> <<LocationSubsidiaryIdentification>> } LocationActualTrack --> LocationIdent </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	element ChangeofTrackMessage
source	<xs:element name="LocationActualTrack" type="LocationIdent"/>

element LocationDateTime

diagram	<pre> classDiagram class LocationDateTime class LocationIdent { <<CountryCodeISO>> <<LocationPrimaryCode>> <<PrimaryLocationName>> <<LocationSubsidiaryIdentification>> } LocationDateTime --> LocationIdent </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
used by	elements 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	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 Reference File</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"/> <xs:element ref="CountryCodeISO"/> <xs:element ref="LocationPrimaryCode"/> <xs:choice> <xs:element ref="LocationPrimaryInformation"/> <xs:element ref="LocationSubsidiaryInformation"/> </xs:choice> </xs:sequence> </xs:complexType> </xs:element></pre>

element LocationModified

diagram	<pre> classDiagram class LocationModified { Location ModificationStatusIndicator TrainLocationStatus BookedLocationDateTime } class Location class ModificationStatusIndicator class TrainLocationStatus class BookedLocationDateTime Location < -- LocationModified ModificationStatusIndicator < -- LocationModified TrainLocationStatus < -- LocationModified BookedLocationDateTime < -- LocationModified </pre> <p>This element shows the Location that has been changed for the train run</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xss:element name="LocationModified"> <xss:annotation> <xss:documentation>This element shows the Location that has been changed for the train run</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="Location"/> <xss:element ref="ModificationStatusIndicator"/> <xss:element ref="TrainLocationStatus" minOccurs="0"/> <xss:element ref="BookedLocationDateTime" minOccurs="0"/> </xss:sequence> </xss:complexType> </xss: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/2.4
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	element ChangeofTrackMessage
source	<code><xss:element name="LocationPlannedTrack" type="LocationIdent"/></code>

element LocationPrimaryCode

diagram	<pre> classDiagram class LocationPrimaryCode </pre>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	Numeric1-5									
properties	content simple									
used by	element LocationFileDatasetMessage complexType LocationIdent									
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									
source	<code><xss:element name="LocationPrimaryCode" type="Numeric1-5"/></code>									

element LocationPrimaryInformation

diagram	<pre> classDiagram class LocationPrimaryInformation { <<Required for Primary Location Add, Update, of a Location Primary Code>> string LocationPrimaryName string ResponsibleIM string PrimaryLocationNameASCII class LocationValidityPeriod class ContainerHandlingFlag class HandoverPointFlag class FreightFlag class FreightValidityPeriod class PassengerFlag class PassengerValidityPeriod class GeographicCoordinates class NUTS_Code class Comments } LocationPrimaryInformation "1" *-- "1" LocationPrimaryInformation : ... LocationPrimaryInformation "*" *-- "*" LocationPrimaryInformation : ... </pre> <p>The diagram illustrates the structure of the LocationPrimaryInformation element. It consists of several attributes and associations:</p> <ul style="list-style-type: none"> LocationPrimaryName: Location Name in an official language of the Country using the ISO Unicode alphabet. ResponsibleIM: IM Responsible for Reporting. For Path Requests, this element has to be used: <ul style="list-style-type: none"> - 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. PrimaryLocationNameASCII: the location name in free text, using ASCII character set. LocationValidityPeriod: A period of validity for the location information. ContainerHandlingFlag: A flag indicating whether the establishment is able to handle container traffic. HandoverPointFlag: Identifies if the location is a Handover Point from IM to IM. FreightFlag: Identifies that the Entity or Location is for Freight Activity. FreightValidityPeriod: A period of validity for freight activity. PassengerFlag: Identifies that the Entity or Location is for Passenger Activity. PassengerValidityPeriod: A period of validity for passenger activity. GeographicCoordinates: Latitude and Longitude of location. NUTS_Code: 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. Comments: A field for additional comments. <p>A note at the bottom left of the diagram states: "Required for Primary Location Add, Update, of a Location Primary Code".</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	<u>LocationPrimaryName</u> <u>ResponsibleIM</u> <u>PrimaryLocationNameASCII</u> <u>LocationValidityPeriod</u> <u>ContainerHandlingFlag</u> <u>HandoverPointFlag</u> <u>FreightFlag</u> <u>FreightValidityPeriod</u> <u>PassengerFlag</u> <u>PassengerValidityPeriod</u> <u>GeographicCoordinates</u> <u>NUTS</u> <u>Code</u> <u>Comments</u>
used by	element <u>LocationFileDatasetMessage</u>
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 </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="LocationPrimaryName"/> <xss:element ref="ResponsibleIM"/> <xss:element name="PrimaryLocationNameASCII"> <xss:annotation> <xss:documentation>the location name in free text, using ASCII set</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction> <xss:minLength <xss:maxLength </xss:restriction> </xss:simpleType> </xss:element> <xss:element ref="LocationValidityPeriod"/> <xss:element ref="ContainerHandlingFlag" minOccurs="0"/> <xss:element ref="HandoverPointFlag" minOccurs="0"/> <xss:sequence <xss:element ref="FreightFlag" /> <xss:element name="FreightValidityPeriod" type="ValidityPeriod" minOccurs="0"/> </xss:sequence> <xss:sequence <xss:element ref="PassengerFlag" /> <xss:element name="PassengerValidityPeriod" type="ValidityPeriod" minOccurs="0"/> </xss:sequence> <xss:element ref="GeographicCoordinates" minOccurs="0"/> <xss:element name="NUTS_Code" minOccurs="0"> <xss:annotation> <xss: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 </xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction> <xss:minLength <xss:maxLength </xss:restriction> </xss:simpleType> </xss:element> <xss:element ref="Comments" minOccurs="0"/> </xss:sequence> </xss:complexType> </pre>

	</xs:element>
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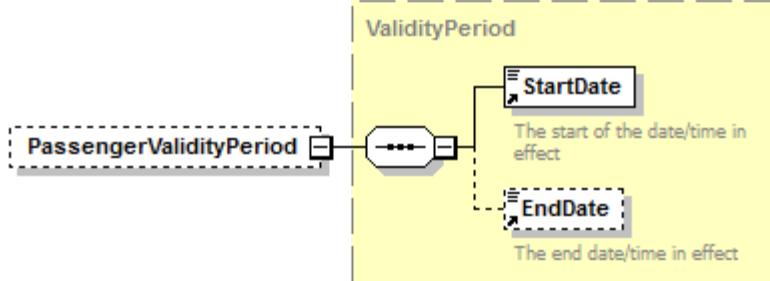
element **LocationPrimaryInformation/PrimaryLocationNameASCII**

diagram	<p>The location name in free text, using ASCII character set</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	<p>documentation</p> <p>the location name in free text, using ASCII character set</p>									
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"/> <xs:maxLength value="255"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

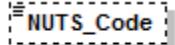
element **LocationPrimaryInformation/FreightValidityPeriod**

diagram	<p>ValidityPeriod</p> <p>FreightValidityPeriod</p> <p>StartDate</p> <p>The start of the date/time in effect</p> <p>EndDate</p> <p>The end date/time in effect</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
type	<u>ValidityPeriod</u>						
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>complex</td> </tr> </tbody> </table>	minOcc	0	maxOcc	1	content	complex
minOcc	0						
maxOcc	1						
content	complex						
children	<u>StartDate</u> <u>EndDate</u>						
source	<pre> <xs:element name="FreightValidityPeriod" type="ValidityPeriod" minOccurs="0"/> </pre>						

element LocationPrimaryInformation/PassengerValidityPeriod

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 50
annotation	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
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/2.4
used by	element LocationPrimaryInformation
annotation	documentation Location Name in an officiation language of the Country using the ISO Unicode alphabet
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	<p>LocationSubsidiaryTypeCode</p> <table border="1"> <thead> <tr> <th></th><th></th><th></th></tr> </thead> <tbody> <tr> <td>42</td><td>DIUM stations - Places of acceptance/delivery</td><td>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).</td></tr> <tr> <td>43</td><td>Passengers cars public loading</td><td>Is a type of physical location on the open access network where passengers can put their car on a carrying train</td></tr> <tr> <td>44</td><td>Passengers cars private loading</td><td>Is a type of physical location outside the open access network where passengers can put their car on a carrying train</td></tr> <tr> <td>45</td><td>Sewage dump</td><td>Place for cleaning purposes - disposal of the waste</td></tr> <tr> <td>46</td><td>Refuelling Point</td><td>Location where refuelling takes place</td></tr> <tr> <td>47</td><td>Mains Supply</td><td>Location where energy supply can be provided for the rolling stock e.g. preheating</td></tr> <tr> <td>48</td><td>Water Supply</td><td>Location where water supply can be provided for the rolling stock</td></tr> <tr> <td>49</td><td>Compressed plant</td><td>Train on a track with motion stabled with external air supply for braking systems</td></tr> <tr> <td>50</td><td>Indoor cleaning platform</td><td>Cleaning point -interior</td></tr> <tr> <td>51</td><td>Car-wash plant</td><td>Cleaning point -outdoor</td></tr> <tr> <td>52</td><td>Short dry-cleaning track</td><td>Cleaning point</td></tr> <tr> <td>53</td><td>Pollution protective plate</td><td>Track where floor that avoids pollution of the earth below</td></tr> <tr> <td>54</td><td>Sand-filling station</td><td>Location where sand is filled</td></tr> <tr> <td>55</td><td>Repair track</td><td>Location where a train/wagon/engine can be repaired</td></tr> <tr> <td>56</td><td>Signal box</td><td>The location of a building containing signalling equipment</td></tr> </tbody> </table> <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>				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
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namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																																																
type	extension of String1-10																																																
properties	content complex																																																
used by	elements LocationSubsidiaryIdentification LocationSubsidiaryInformation																																																
facets	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 documentation</th> </tr> </thead> <tbody> <tr> <td>LocationSubsidiaryTypeCode</td> <td>derived by: xs:token</td> <td>required</td> <td></td> <td></td> <td>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).</td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation documentation	LocationSubsidiaryTypeCode	derived by: xs:token	required			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).																																				
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		Passenger 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
		Passenger 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 air plant Train on a track with motion stabilized 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
annotation	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"	
source	<pre><xs:element name="LocationSubsidiaryCode"> <xs:annotation> <xs:documentation>this element identifies a location as a part of primary location e.g. a junction, a signal, a passing loop etc., It is unique when used in combination with a "LocationPrimaryCode"</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <xs:extension base="String1-10"> <xs:attribute ref="LocationSubsidiaryTypeCode" use="required"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></pre>	

element **LocationSubsidiaryIdentification**

diagram	<pre> classDiagram class LocationSubsidiaryIdentification { Code, Name and allocation company of Subsidiary Location } class LocationSubsidiaryCode { this element identifies a location as a part of primary location e.g. a junction, a signal, a passing loop etc., It is unique when used in combination with a "LocationPrimaryCode" } class AllocationCompany { Name of company who is responsible for allocation and maintenance of codes } class LocationSubsidiaryName { To be completed in an official language of the Country using the ISO Unicode alphabet } LocationSubsidiaryIdentification "*" -- "*" LocationSubsidiaryCode : LocationSubsidiaryIdentification "*" -- "*" AllocationCompany : LocationSubsidiaryIdentification "*" -- "*" LocationSubsidiaryName : </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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>
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element **LocationSubsidiaryInformation**

diagram	<pre> classDiagram class LocationSubsidiaryInformation { <<Required for Add, Update of a Location Subsidiary Code (modified to global element)>> } class LocationSubsidiaryCode class LocationSubsidiaryName class AllocationCompany class LocationValidityPeriod class Comments class GeographicCoordinates LocationSubsidiaryInformation "3" -- "1" LocationSubsidiaryCode LocationSubsidiaryInformation "3" -- "1" LocationSubsidiaryName LocationSubsidiaryInformation "3" -- "1" AllocationCompany LocationSubsidiaryInformation "3" -- "1" LocationValidityPeriod LocationSubsidiaryInformation "3" -- "1" Comments LocationSubsidiaryInformation "3" -- "1" GeographicCoordinates </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:sequence> </xs:complexType> </xs:element> </pre>

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

element LocationSubsidiaryName

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	documentation To be completed in an official language of the Country using the ISO Unicode alphabet									
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/2.4
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	 LocoNumber Identifies the number of the locomotive, usually the European Vehicle Number on 12N. It is currently not restricted only to numeric values.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	content simple
used by	element TrainCompositionJourneySection/Locoldent
facets	Kind Value Annotation minLength 4 maxLength 12
annotation	documentation Identifies the number of the locomotive, usually the European Vehicle Number on 12N. It is currently not restricted only to numeric values.
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> <xs:maxLength value="12"/> <xs:minLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element LocoTypeNumber

diagram	<pre> graph LR LTN[LocoTypeNumber] --- TypeCode1[TypeCode1] TypeCode1 --- TypeCode2[TypeCode2] TypeCode2 --- CountryCode[CountryCode] CountryCode --- SeriesNumber[SeriesNumber] SeriesNumber --- SerialNumber[SerialNumber] SerialNumber --- ControlDigit[ControlDigit] </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	TypeCode1 TypeCode2 CountryCode SeriesNumber SerialNumber ControlDigit
used by	elements TrainCompositionJourneySection/Locodent TractionDetails
source	<pre> <xs:element name="LocoTypeNumber"> <xs:complexType> <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: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> <xs:minLength value="1"/> <xs:whiteSpace value="replace"/> <xs:maxLength 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> </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:element> <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:element> <xs:element name="SerialNumber"> <xs:annotation> <xs:documentation>3 digits representing the serial number of the traction of the series. Not used in Planning</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ControlDigit"> <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> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

```

        </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: Electric, Diesel,
Steam, Hybrid:-->
      <xs:simpleType>
        <xs:restriction>
          <xs:minLength
            <xs:whiteSpace
              <xs:maxLength
                <xs:pattern
                  </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>
                <xs:minLength
                  <xs:whiteSpace
                    <xs:maxLength
                      <xs:pattern
                        </xs:restriction>
                  </xs:simpleType>
                </xs:element>
                <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
                        <xs:whiteSpace
                          <xs:maxLength
                            <xs:pattern
                              </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element name="SerialNumber">
                        <xs:annotation>
                          <xs:documentation>3 digits representing the serial number of the
traction of the series. 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

```

	<pre> <xs:whiteSpace <xs:maxLength <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ControlDigit"> <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> </xs:sequence> </xs:complexType> </xs:element> </pre>	<pre> value="replace"/> value="3"/> value="[0-9]{3}"/> </pre>
--	---	--

element LocoTypeNumber/TypeCode1

diagram	<p>TypeCode1</p> <p>Value is 9 as it's written in Part 0 of the Appendix 6 of the decision 2007/756</p>																	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																	
type	restriction of xs:string																	
properties	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>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> </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</p> <p>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 <xs:minLength <xs:whiteSpace <xs:maxLength <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>																	

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

element LocoTypeNumber/TypeCode2

diagram																
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4															
type	restriction of <code>xs:string</code>															
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	documentation Type of tractive rolling stock as in Part 8 of the Appendix 6 of the decision 2007/756															
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, Hybrid:--> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:whiteSpace value="replace"/> <xs:maxLength value="1"/> <xs:pattern value="[0-9]"/> </xs:restriction> </xs:simpleType> </xs:annotation> </xs:element> </pre>															

element LocoTypeNumber/CountryCode

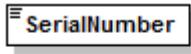
diagram																
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4															
type	restriction of <code>xs:string</code>															
properties	content simple															
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</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	documentation Numerical country code as in Part 4 of the Appendix 6 of the decision 2007/756
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 base="xs:string"> <xs:minLength value="2"/> <xs:whiteSpace value="replace"/> <xs:maxLength value="2"/> <xs:pattern value="[0-9]{2}" /> </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 CountryCode</p>															
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4															
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>4</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>replace</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9]{4}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	4		whiteSpace	replace		pattern	[0-9]{4}	
Kind	Value	Annotation														
minLength	1															
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 base="xs:string"> <xs:minLength value="1"/> <xs:whiteSpace value="replace"/> <xs:maxLength value="4"/> <xs:pattern value="[0-9]{4}" /> </xs:restriction> </xs:simpleType> </xs:element></pre>															

element LocoTypeNumber/SerialNumber

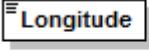
diagram																
	3 digits representing the serial number of the traction of the series. Not used in Planning															
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4															
type	restriction of xs:string															
properties	content simple															
facets	<table> <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>3</td> <td></td> </tr> <tr> <td>whiteSpace</td> <td>replace</td> <td></td> </tr> <tr> <td>pattern</td> <td>[0-9]{3}</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	3		whiteSpace	replace		pattern	[0-9]{3}	
Kind	Value	Annotation														
minLength	1															
maxLength	3															
whiteSpace	replace															
pattern	[0-9]{3}															
annotation	<p>documentation</p> <p>3 digits representing the serial number of the traction of the series. Not used in Planning</p>															
source	<pre> <xs:element name="SerialNumber"> <xs:annotation> <xs:documentation>3 digits representing the serial number of the traction of the series. 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 base="xs:string"> <xs:minLength value="1"/> <xs:whiteSpace value="replace"/> <xs:maxLength value="3"/> <xs:pattern value="[0-9]{3}"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>															

element LocoTypeNumber/ControlDigit

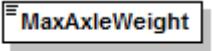
diagram																
	1 control digit as usual at the end of the 12 digit UIC identifier. Not used in Planning															
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4															
type	restriction of xs:string															
properties	content simple															
facets	<table> <thead> <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</p> <p>1 control digit as usual at the end of the 12 digit UIC identifier. Not used in Planning</p>															
source	<pre> <xs:element name="ControlDigit"> </pre>															

	<pre> <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:base> <xs:base><xs:string> <xs:value>1</xs:value> <xs:value>replace</xs:value> <xs:value>1</xs:value> <xs:value>[0-9]</xs:value> </xs:base> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	--

element Longitude

diagram	 <p>Longitudinal Coordinates as expressed in decimal degrees</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:float
properties	content simple
used by	element GeographicCoordinates
annotation	documentation Longitudinal Coordinates as expressed in decimal degrees
source	<pre> <xs:element name="Longitude" type="xs:float"> <xs:annotation> <xs:documentation>Longitudinal Coordinates as expressed in decimal degrees</xs:documentation> </xs:annotation> </xs:element> </pre>

element MaxAxeWeight

diagram	 <p>Indicates the maximum design axle weight (to).</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:decimal									
properties	content simple									
used by	elements 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> </pre>									

	<pre> <xs:documentation>Indicates the maximum design axle weight (to).</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:minInclusive <xs:maxInclusive /></xs:restriction> </xs:simpleType> </xs:element></pre>
--	---

element MaxDesignSpeed

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	999	
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 <xs:minInclusive <xs:maxInclusive /></xs:restriction> </xs:simpleType> </xs:element></pre>									

element MaxGrossWeight

diagram							
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
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> </tbody> </table>	Kind	Value	Annotation	minInclusive	0	
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>Measured in mm</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>999999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	999999	
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> <xs:minInclusive value="1"/> <xs:maxInclusive value="999999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element MaxTemp

diagram	 <p>Maximum Temperature in °Celsius</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:int									
properties	content simple									
used by	element 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	<div style="border: 1px solid black; padding: 2px; display: inline-block;">Measure</div> Measure used, either ft or mm									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:token									
properties	content simple									
used by	elements Height Length Width									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>ft</td> <td></td> </tr> <tr> <td>enumeration</td> <td>mm</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	ft		enumeration	mm	
Kind	Value	Annotation								
enumeration	ft									
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 base="xs:token"> <xs:enumeration value="ft"/> <xs:enumeration value="mm"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element MessageDateTimeCreated

diagram	<div style="border: 1px solid black; padding: 2px; display: inline-block;">MessageDateTimeCreated</div> Date and time when the message was created by the legacy system
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<pre> graph LR MH[MessageHeader] --- MR[MessageReference] MH --- MRG[MessageRoutingID] MH --- SR[SenderReference] MH --- S[Sender] MH --- R[Recipient] </pre> <p>Used for all messages</p>		
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
properties	content complex		
children	MessageReference MessageRoutingID SenderReference Sender MessageDateTimeCreated Recipient		
used by	<table border="0"> <tr> <td style="vertical-align: top;">elements</td> <td> 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 WagonInterchangeNoticeMessage WagonInterchangeSubNoticeMessage WagonReceivedAtInterchangeMessage WagonRefusedAtInterchangeMessage WagonReleaseNoticeMessage WagonYardArrivalMessage WagonYardDepartureMessage </td> </tr> </table>	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 WagonInterchangeNoticeMessage WagonInterchangeSubNoticeMessage WagonReceivedAtInterchangeMessage WagonRefusedAtInterchangeMessage WagonReleaseNoticeMessage WagonYardArrivalMessage WagonYardDepartureMessage
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 WagonInterchangeNoticeMessage WagonInterchangeSubNoticeMessage WagonReceivedAtInterchangeMessage WagonRefusedAtInterchangeMessage 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></pre>		

	<pre> <xs:element <xs:element ref="MessageReference"/> <xs:element ref="MessageRoutingID" minOccurs="0"/> <xs:element ref="SenderReference" minOccurs="0"/> <xs:element ref="MessageDateTimeCreated" minOccurs="0"/> <xs:element ref="Sender" minOccurs="0"/> <xs:element ref="Recipient" minOccurs="0"/> /> </xs:sequence> </xs:complexType> </xs:element></pre>
--	--

element MessageIdentifier

diagram	 MessageIdentifier Identification of the Message									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	FreeText									
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>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 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**

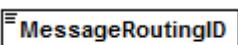
diagram	 <p>This element identifies the message</p> <pre> MessageType To indicate the message type transmitted or referred to. The following list was agreed within the sector: 1000 ConsignmentOrderMessage 2001 PathCancelledMessage 2002 PathConfirmedMessage 2003 PathDetailsMessage 2004 PathDetailsRefusedMessage 2005 PathNotAvailableMessage 2006 PathRequestMessage 2007 ReceiptConfirmationMessage -- sector messages (Planning) -- 2500 PathCoordinationMessage 2501 PathSectionNotificationMessage -- sector message end -- 3003 TrainCompositionMessage 3006 TrainReadyMessage 4001 TrainDelay/CauseMessage 4004 TrainRunningForecastMessage 4005 TrainRunningInformationMessage 4006 TrainRunningInterruptionMessage -- sector message (Operations) -- 4500 PassengerTrainCompositionMessage 4501 RollingStockRestrictionMessage 4504 ChangeOfTrackMessage 4505 TrainJourneyModificationMessage -- sector message end -- 5001 AlertMessage 5002 WagonArrivalNoticeMessage 5003 WagonDeliveryNoticeMessage 5004 WagonDepartureNoticeMessage 5005 WagonETA_MESSAGE 5006 WagonExceptionMessage 5008 WagonExceptionReasonMessage 5009 WagonInterchangeNoticeMessage 5012 WagonReceivedAtInterchangeMessage 5013 WagonRefusedAtInterchangeMessage 5014 WagonReleaseNoticeMessage 5015 WagonYardArrivalMessage 5016 WagonYardDepartureMessage 6002 LocationFileDatasetMessage 6003 RollingStockDatasetMessage --sector (RU-RU) 5300 WagonPerformanceMessage -- sector end -- 6004 RollingStockDatasetQueryMessage -- sector (TrainID) begin -- 8500 UpdateLinkMessage 8501 ObjectInfoMessage -- sector end -- 9000 ErrorMessage MessageTypeVersion Version of the Message Type MessageIdentifier Identification of the Message MessageDateTime Generated by the common Interface </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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>

element [MessageReference/MessageDateTime](#)

diagram	 <p>Generated by the common Interface</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	 <p>Additional information used to route the message to the correct receiving application (if needed)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	Numeric2-2
properties	content simple
used by	element MessageHeader

	Kind	Value	Annotation
facets	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	<p>MessageType</p> <p>To indicate the message type transmitted or referred to. The following list was agreed within the sector:</p> <ul style="list-style-type: none"> 1000 ConsignmentOrderMessage 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 5009 WagonInterchangeNoticeMessage 5012 WagonReceivedAtInterchangeMessage 5013 WagonRefusedAtInterchangeMessage 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
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string

properties	content	simple		
used by	element	MessageReference		
facets	Kind	Value	Annotation	
	minLength	1		
	maxLength	4		
annotation	documentation			
	To indicate the message type transmitted or referred to. The following list was agreed within the sector:			
	1000		ConsignmentOrderMessage	
	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
	5009			WagonInterchangeNoticeMessage
	5012			WagonReceivedAtInterchangeMessage
	5013			WagonRefusedAtInterchangeMessage
	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: 1000 ConsignmentOrderMessage 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 5009 WagonInterchangeNoticeMessage 5012 WagonReceivedAtInterchangeMessage 5013 WagonRefusedAtInterchangeMessage 5014 WagonReleaseNoticeMessage 5015 WagonYardArrivalMessage 5016 WagonYardDepartureMessage 6002 LocationFileDatasetMessage 6003 RollingStockDatasetMessage --sector (RU-RU) --- -- 5500 WagonPerformanceMessage -- sector message end --- -- 6004 RollingStockDatasetQueryMessage </pre>
--------	---

	<pre>-- sector (TrainID) begin -- 8500 -- end UpdateLinkMessage 8501 sector -- ObjectInfoMessage -- -- -- -- 9000 -- -- ErrorMessage</pre>
	<pre></xs:documentation> </xs:annotation> <xssimpleType> <xs:restriction> <xs:minLength <xsmaxLength </xs:restriction> </xssimpleType> </xs:element></pre>

element MessageTypeVersion

diagram	 MessageTypeVersion Version of the Message Type
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xssimpleType> <xs:restriction> <xs:maxLength </xs:restriction> </xssimpleType> </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/2.4
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 base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element MinCurveRadius

diagram	 MinCurveRadius Measured in Metres
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element MinTemp

diagram	 MinTemp Minimum temperature in ° Celsius
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

type	restriction of xs:int									
properties	content simple									
used by	element RollingStockDataset/DesignDataSet/TemperatureRange									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minInclusive</td> <td>-99</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>0</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	-99		maxInclusive	0	
Kind	Value	Annotation								
minInclusive	-99									
maxInclusive	0									
annotation	<p>documentation</p> <p>Minimum temperature in ° Celsius</p>									
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>Minimum allowed vertical radius over yard humps. Measured in meters.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	999	
Kind	Value	Annotation								
minInclusive	1									
maxInclusive	999									
annotation	<p>documentation</p> <p>Minimum allowed vertical radius over yard humps. Measured in meters.</p>									
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>Identifies the reason for the train journey being modified</p>																																																																																																																							
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																																																																																																																							
type	DelayCode																																																																																																																							
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used by	element TrainJourneyModificationMessage																																																																																																																							
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr><td>enumeration</td><td>11</td><td></td></tr> <tr><td>enumeration</td><td>10</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>18</td><td></td></tr> <tr><td>enumeration</td><td>19</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> <tr><td>enumeration</td><td>24</td><td></td></tr> <tr><td>enumeration</td><td>25</td><td></td></tr> <tr><td>enumeration</td><td>28</td><td></td></tr> <tr><td>enumeration</td><td>29</td><td></td></tr> <tr><td>enumeration</td><td>31</td><td></td></tr> <tr><td>enumeration</td><td>30</td><td></td></tr> <tr><td>enumeration</td><td>32</td><td></td></tr> <tr><td>enumeration</td><td>39</td><td></td></tr> <tr><td>enumeration</td><td>40</td><td></td></tr> <tr><td>enumeration</td><td>41</td><td></td></tr> <tr><td>enumeration</td><td>50</td><td></td></tr> <tr><td>enumeration</td><td>51</td><td></td></tr> <tr><td>enumeration</td><td>52</td><td></td></tr> <tr><td>enumeration</td><td>53</td><td></td></tr> <tr><td>enumeration</td><td>54</td><td></td></tr> <tr><td>enumeration</td><td>58</td><td></td></tr> <tr><td>enumeration</td><td>59</td><td></td></tr> <tr><td>enumeration</td><td>60</td><td></td></tr> <tr><td>enumeration</td><td>61</td><td></td></tr> <tr><td>enumeration</td><td>62</td><td></td></tr> <tr><td>enumeration</td><td>63</td><td></td></tr> <tr><td>enumeration</td><td>64</td><td></td></tr> <tr><td>enumeration</td><td>68</td><td></td></tr> <tr><td>enumeration</td><td>70</td><td></td></tr> <tr><td>enumeration</td><td>69</td><td></td></tr> <tr><td>enumeration</td><td>71</td><td></td></tr> <tr><td>enumeration</td><td>80</td><td></td></tr> </tbody> </table>			Kind	Value	Annotation	enumeration	11		enumeration	10		enumeration	12		enumeration	13		enumeration	14		enumeration	18		enumeration	19		enumeration	20		enumeration	21		enumeration	22		enumeration	23		enumeration	24		enumeration	25		enumeration	28		enumeration	29		enumeration	31		enumeration	30		enumeration	32		enumeration	39		enumeration	40		enumeration	41		enumeration	50		enumeration	51		enumeration	52		enumeration	53		enumeration	54		enumeration	58		enumeration	59		enumeration	60		enumeration	61		enumeration	62		enumeration	63		enumeration	64		enumeration	68		enumeration	70		enumeration	69		enumeration	71		enumeration	80	
Kind	Value	Annotation																																																																																																																						
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	enumeration 81 enumeration 82 enumeration 83 enumeration 84 enumeration 89 enumeration 90 enumeration 91 enumeration 92 enumeration 93 enumeration 94 enumeration 95
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>

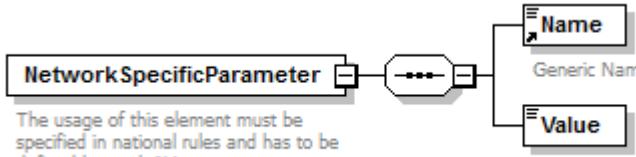
element ModificationStatusIndicator

diagram	 ModificationStatusIndicator <p>This elemnt shows if the location has been added or deleted in the modified train journey</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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 elemnt 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 elemnt 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>									

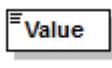
element Name

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	<u>FreeText</u>
properties	content simple
used by	elements <u>AdministrativeContactInformation</u> <u>Customer</u> <u>RollingRoadUnit/RollingRoadUnitDetails/HaulierNetworkSpecificParameter</u>
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 NetworkSpecificParameter

diagram	 The usage of this element must be specified in national rules and has to be defined by each IM
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	<u>Name</u> <u>Value</u>
used by	elements <u>AffectedSection</u> <u>PathDetailsMessage</u> <u>PathRequestMessage</u> <u>PlannedJourneyLocation</u>
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 name="Name" ref="Name"/> <xs:element name="Value" type="FreeText"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element NetworkSpecificParameter/Value

diagram	
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namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	FreeText
properties	content simple
used by	elements Height Length Width
facets	Kind Value Annotation minLength 1 maxLength 255
source	<xs:element name="Value" type="FreeText"/>

element NextIntermediateDestination

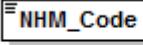
diagram	<p>The diagram illustrates the relationship between the NextIntermediateDestination element and its associated elements. NextIntermediateDestination is shown on the left, with two outgoing associations. One association points to IntermediateDestination, which is described as 'A location on the route of a train'. The other association points to DeliveryTimeAtInterchange, which is described as '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'. Below the diagram, the documentation for NextIntermediateDestination states: 'Identifies next stopping point on the route of a train'.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	IntermediateDestination DeliveryTimeAtInterchange
used by	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

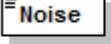
diagram	<p>The diagram shows the NextResponsibleRU element, which is described as 'The RU who is responsible for the train operation on the next journey section.'</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CompanyCode
properties	content simple

used by	elements WIMO_Dataset/ConsignmentLevelData_ConsignmentOrderMessage/COMS/COM/DeliveryPoint
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
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

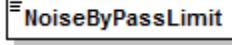
diagram	 NHM_Code NHM code of the goods
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	NHMCodeType
properties	content simple
used by	elements Goods GoodsInWagon/GoodsInContainer GoodsInWagon
facets	Kind Value Annotation length 6 pattern \d*[1-9]\d*
annotation	documentation NHM code of the 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

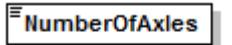
diagram	 Noise Noise level at stand still in decibels
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:integer
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Noise level at stand still in decibels
source	<pre><xs:element name="Noise"> <xs:annotation> <xs:documentation>Noise level at stand still in decibels</xs:documentation></pre>

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

element NoiseByPassLimit

diagram	 <p>Noise limit on reference track</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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> <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	<p>documentation</p> <p>Noise limit on reference track</p>									
source	<pre> <xs:element name="NoiseByPassLimit"> <xs:annotation> <xs:documentation>Noise limit on reference track</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element NumberOfAxles

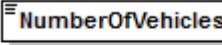
diagram	 <p>The sum of number of axles of all wagons and all traction units</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:integer									
properties	content simple									
used by	element TrainRunningTechData									
facets	<table> <thead> <tr> <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	<p>documentation</p> <p>The sum of number of axles of all wagons and all traction units</p>									
source	<pre> <xs:element name="NumberOfAxles"> <xs:annotation> </pre>									

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

element NumberOfBogies

diagram	 NumberOfBogies									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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> <xs:minInclusive> <xs:maxInclusive> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element NumberOfVehicles

diagram	 NumberOfVehicles The sum of number of wagons and number of traction units									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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> </pre>									

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:integer"> value="0000"/> value="9999"/> </pre>
--	---	--

element ObjectType

diagram	ObjectType <p>Provides a possibility for differentiantion between the objects: Train, Path, Case Reference and Path Request</p>																								
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																								
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>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	PA		enumeration	CR		enumeration	PR	
Kind	Value	Annotation																							
minLength	2																								
maxLength	2																								
pattern	[0-9A-Z]{2}																								
enumeration	TR																								
enumeration	PA																								
enumeration	CR																								
enumeration	PR																								
annotation	<p>documentation</p> <p>Provides a possibility for differentiantion between the objects: Train, Path, Case Reference and Path Request</p>																								
source	<pre> <xs:element name="ObjectType"> <xs:annotation> <xs:documentation>Provides a possibility for differentiantion between the objects: Train, Path, Case Reference and Path Request</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength <xs:pattern <xs:enumeration <xs:enumeration <xs:enumeration <xs:enumeration </xs:restriction> </xs:simpleType> </xs:element> </pre>																								

element Offset

diagram	Offset
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namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:integer
properties	content simple
used by	element TimingAtLocation/Timing
source	<xs:element name="Offset" type="xs:integer"/>

element OnDemandPath

diagram	<p>OnDemandPath</p> <p>For the use of on demand or optional path (has to be either activated or deactivated depending to network rules)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<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>

element OperationalTrainNumber

diagram	<p>OperationalTrainNumber</p> <p>Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	String1-8									
properties	content simple									
used by	elements AffectedSection OperationalTrainNumberIdentifier PlannedJourneyLocation WagonInterchangeNoticeMessage WagonInterchangeSubNoticeMessage									
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 train for traffic management purposes by the Dispatcher, GSMR services, etc.									
source	<xs:element name="OperationalTrainNumber" type="String1-8"> <xs:annotation> <xs:documentation>Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc.</xs:documentation> </xs:annotation> </xs:element>									

element OperationalTrainNumberIdentifier

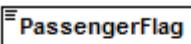
diagram	<p>The diagram illustrates the structure of the <code>OperationalTrainNumberIdentifier</code> element. It is a composite element consisting of three parts: <code>OperationalTrainNumber</code>, <code>ScheduledTimeAtHandover</code>, and <code>ScheduledDateTimeAtTransfer</code>. The <code>OperationalTrainNumber</code> part is a solid box with a brief description: "Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc.". The <code>ScheduledTimeAtHandover</code> and <code>ScheduledDateTimeAtTransfer</code> parts are dashed boxes with their respective descriptions: "The scheduled departure date and time or the scheduled handover date and time at the border between two different IMs." and "The scheduled arrival at destination date and time or the scheduled outgoing transfer date and time at the border between two different IMs."</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	OperationalTrainNumber ScheduledTimeAtHandover ScheduledDateTimeAtTransfer
used by	elements 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	<p>The diagram shows the <code>OriginCountry</code> element as a simple element. It has a brief description: "Code of origin country of the UTI."</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
type	restriction of CountryIdentISO												
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>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> </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"></pre>												

	<pre> <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> <xs:pattern value="([A-Z]{2})"/> </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/2.4
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 PathCanceledMessage { <<Path Canceled message according to Short Term Path Request specification (WG5)>> } class MessageHeader class AdministrativeContactInformation class Identifiers class MessageStatus class TypeOfRequest class TypeOfInformation class CoordinatingIM class LeadRU class AffectedSection class FreeTextField PathCanceledMessage < -- PathRequest PathCanceledMessage < -- MessageHeader PathCanceledMessage < -- AdministrativeContactInformation PathCanceledMessage < -- Identifiers PathCanceledMessage < -- MessageStatus PathCanceledMessage < -- TypeOfRequest PathCanceledMessage < -- TypeOfInformation PathCanceledMessage < -- CoordinatingIM PathCanceledMessage < -- LeadRU PathCanceledMessage < -- AffectedSection PathCanceledMessage < -- FreeTextField </pre> <p>PathCanceledMessage</p> <p>Path Canceled message according to Short Term Path Request specification (WG5)</p> <p>MessageHeader Used for all messages</p> <p>AdministrativeContactInformation Used to define administrative contact information</p> <p>Identifiers</p> <p>MessageStatus Assigned by the Sender 1=creation, 2=modification, 3=deletion</p> <p>TypeOfRequest Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3)</p> <p>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; utilisation notification; confirmation of utilisation confirmation</p> <p>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 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> <p>LeadRU Lead Railway Undertaking</p> <p>AffectedSection 1..∞ 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</p> <p>FreeTextField 0..∞ Free Text</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

	<u>MessageHeader</u> <u>AdministrativeContactInformation</u> <u>Identifiers</u> <u>MessageStatus</u> <u>TypeOfRequest</u>
children	<u>TypeOfInformation</u> <u>CoordinatingIM</u> <u>LeadRU</u> <u>AffectedSection</u> <u>FreeTextField</u>
annotation	documentation Path Canceled message according to Short Term Path Request specification (WG5)
source	<pre> <xs:element name="PathCanceledMessage"> <xs:annotation> <xs:documentation>Path Canceled message according to Short Term Path Request specification (WG5)</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="MessageStatus"/> <xs:element ref="TypeOfRequest" 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>

element PathConfirmedMessage

diagram	<pre> classDiagram class PathConfirmedMessage { <<This message is used by the RU to confirm the proposed path of the IM (PathDetailsMessage) in response to an RUs Original Request>> } class MessageHeader class AdministrativeContactInformation class Identifiers class MessageStatus class TypeOfRequest class TypeOfInformation class CoordinatingIM class LeadRU class AffectedSection PathConfirmedMessage < --> MessageHeader PathConfirmedMessage < --> AdministrativeContactInformation PathConfirmedMessage < --> Identifiers PathConfirmedMessage < --> MessageStatus PathConfirmedMessage < --> TypeOfRequest PathConfirmedMessage < --> TypeOfInformation PathConfirmedMessage < --> CoordinatingIM PathConfirmedMessage < --> LeadRU PathConfirmedMessage < --> AffectedSection </pre> <p>This message is used by the RU to confirm the proposed path of the IM (PathDetailsMessage) in response to an RUs Original Request</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	MessageHeader AdministrativeContactInformation Identifiers MessageStatus TypeOfRequest TypeOfInformation CoordinatingIM LeadRU AffectedSection
annotation	documentation This message is used by the RU to confirm the proposed path of the IM (PathDetailsMessage) in response to an RUs Original Request

	Original Request
source	<pre> <xs:element <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="MessageStatus"/> <xs:element ref="TypeOfRequest" 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 MessageStatus { Assigned by the Sender 1=creation, 2=modification, 3=deletion } class TypeOfRUHarmonization class TypeOfIMHarmonization 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 leading IM, such as 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 TypeOfRequest { 1 Path study 2 Path request 3 Path Modification } class TypeOfInformation class PathInformation class NetworkSpecificParameter { 0..∞ 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 element } class FreeTextField { 0..∞ Free Text } PathDetailsMessage < -- MessageHeader PathDetailsMessage < -- AdministrativeContactInformation PathDetailsMessage < -- Identifiers PathDetailsMessage < -- MessageStatus PathDetailsMessage < -- TypeOfRUHarmonization PathDetailsMessage < -- TypeOfIMHarmonization PathDetailsMessage < -- CoordinatingIM PathDetailsMessage < -- LeadRU PathDetailsMessage < -- TypeOfRequest PathDetailsMessage < -- TypeOfInformation PathDetailsMessage < -- PathInformation PathDetailsMessage < -- NetworkSpecificParameter PathDetailsMessage < -- FreeTextField </pre> <p>This message is used by the IM to the RU confirming details of the path in response to an RU request</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	MessageHeader AdministrativeContactInformation Identifiers MessageStatus TypeOfRUHarmonization TypeOfIMHarmonization CoordinatingIM LeadRU TypeOfRequest TypeOfInformation PathInformation NetworkSpecificParameter FreeTextField
annotation	documentation This message is used by the IM to the RU confirmaing details of the path in response to an RU request
source	<pre> <xs:element name="PathDetailsMessage"> <xs:annotation> <xs:documentation>This message is used by the IM to the RU confirmaing details of the path in response to an RU request</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="AdministrativeContactInformation"/> <xs:element ref="Identifiers" 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:element ref="LeadRU" minOccurs="0"/> <xs:element ref="TypeOfRequest"> <xs:annotation> <xs:documentation>1 Path study request</xs:documentation> </xs:annotation> </xs:element> <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 element</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="FreeTextField" minOccurs="0" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element PathDetailsRefusedMessage

diagram	<pre> classDiagram class MessageHeader { Used for all messages } class AdministrativeContactInformation { Used to define administrative contact information } class Identifiers class MessageStatus { Assigned by the Sender 1=creation, 2=modification, 3=deletion } class TypeOfRequest { Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3) } 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; utilisation notification; confirmation of utilisation confirmation } class PathDetailsRefusedMessage { 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 } 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 leading IM, such as 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 RevisedRequest { Indication for the IM whether wait because the RU will send a revised request soon or to make an alternative offer. } class AffectedSection { 0..∞ 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 } class FreeTextField { 0..∞ Free Text } PathDetailsRefusedMessage < -- MessageHeader PathDetailsRefusedMessage < -- AdministrativeContactInformation PathDetailsRefusedMessage < -- Identifiers PathDetailsRefusedMessage < -- MessageStatus PathDetailsRefusedMessage < -- TypeOfRequest PathDetailsRefusedMessage < -- TypeOfInformation PathDetailsRefusedMessage --> CoordinatingIM PathDetailsRefusedMessage --> LeadRU PathDetailsRefusedMessage --> RevisedRequest PathDetailsRefusedMessage --> AffectedSection PathDetailsRefusedMessage --> FreeTextField </pre> <p>The diagram illustrates the structure of the PathDetailsRefusedMessage. It is a complex element that includes standard message headers like MessageHeader and AdministrativeContactInformation, and specific identifiers and status information. The core message is defined by the PathDetailsRefusedMessage class, which is associated with the CoordinatingIM, LeadRU, RevisedRequest, AffectedSection, and FreeTextField classes. The PathDetailsRefusedMessage class also contains a detailed description of its purpose: it 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/2.4
properties	content complex

children	MessageHeader AdministrativeContactInformation Identifiers MessageStatus TypeOfRequest TypeOfInformation CoordinatingIM LeadRU RevisedRequest AffectedSection FreeTextField
annotation	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
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:element ref="MessageStatus"/> <xs:element ref="TypeOfRequest" 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>

element PathInformation

diagram	<pre> classDiagram class PathInformation class PlannedJourneyLocation class PlannedCalendar class RequestedCalendar PathInformation --o > PlannedJourneyLocation : PathInformation --o > PlannedCalendar : PlannedCalendar --o > RequestedCalendar : </pre> <p>Any operation point along the train journey</p> <p>This is the calendar item for path request/path details messages - used in planning phase</p> <p>subset of the requested calendar</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	PlannedJourneyLocation PlannedCalendar RequestedCalendar
used by	elements PathDetailsMessage PathRequestMessage
source	<pre> <xs:element name="PathInformation"> <xs:complexType> <xs:sequence> <xs:element ref="PlannedJourneyLocation" minOccurs="2" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre><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>
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element PathNotAvailableMessage

diagram	<pre> classDiagram class MessageHeader { Used for all messages } class AdministrativeContactInformation { Used to define administrative contact information } class Identifiers class MessageStatus { Assigned by the Sender 1=creation, 2=modification, 3=deletion } class TypeOfRequest { Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3) } 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; utilisation notification; confirmation of utilisation confirmation } class CoordinatingIM class LeadRU { Lead Railway Undertaking } class AffectedSection { 1..∞ 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 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. } class FreeTextField { 0..∞ Free Text } PathNotAvailableMessage < -- MessageHeader PathNotAvailableMessage < -- AdministrativeContactInformation PathNotAvailableMessage < -- Identifiers PathNotAvailableMessage < -- MessageStatus PathNotAvailableMessage < -- TypeOfRequest PathNotAvailableMessage < -- TypeOfInformation PathNotAvailableMessage < -- CoordinatingIM PathNotAvailableMessage < -- LeadRU PathNotAvailableMessage < -- AffectedSection PathNotAvailableMessage < -- InterruptionInformation PathNotAvailableMessage < -- FreeTextField </pre> <p>PathNotAvailableMessage</p> <p>Path Not Available message according to Short Term Path Request specification (WGS)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	MessageHeader AdministrativeContactInformation Identifiers MessageStatus TypeOfRequest TypeOfInformation CoordinatingIM LeadRU AffectedSection InterruptionInformation FreeTextField
annotation	documentation Path Not Available message according to Short Term Path Request specification (WG5)
source	<pre> <xs:element name="PathNotAvailableMessage"> <xs:annotation> <xs:documentation>Path Not Available message according to Short Term Path Request specification (WG5)</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="MessageStatus"/> <xs:element ref="TypeOfRequest" 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>

element PathRequestMessage

diagram	<pre> classDiagram class MessageHeader { Used for all messages } class AdministrativeContactInformation { Used to define administrative contact information } class Identifiers class MessageStatus { Assigned by the Sender 1=creation, 2=modification, 3=deletion } class TypeOfRUHarmonization { Type of RU harmonization: Full, Part, None. } class TypeOfIMHarmonization { Enumeration of Type of IM harmonization: Full, Part } class CoordinatingIM { Proposal from the RU, IM's will decide who will take the role. } class LeadRU { Lead Railway Undertaking } class TypeOfRequest { 1 Path study 2 Path request 3 Path Modification } 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; utilisation notification; confirmation of utilisation confirmation } class TrainInformation { Train Information provided by the RUs as an overview for the whole train journey from origin to destination } class PathInformation { Information provided by the RU for a requested journey section or by the IM for an offered/booked of the Path section } class NetworkSpecificParameter { 0..∞ 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 element } class FreeTextField { 0..∞ Free Text } PathRequestMessage < --> MessageHeader PathRequestMessage < --> AdministrativeContactInformation PathRequestMessage < --> Identifiers PathRequestMessage < --> MessageStatus PathRequestMessage < --> TypeOfRUHarmonization PathRequestMessage < --> TypeOfIMHarmonization PathRequestMessage < --> CoordinatingIM PathRequestMessage < --> LeadRU PathRequestMessage < --> TypeOfRequest PathRequestMessage < --> TypeOfInformation PathRequestMessage < --> TrainInformation PathRequestMessage < --> PathInformation PathRequestMessage < --> NetworkSpecificParameter PathRequestMessage < --> FreeTextField </pre> <p>This message serves to request a train path. The message is sent from the RU to each IM involved.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	MessageHeader AdministrativeContactInformation Identifiers MessageStatus TypeOfRUHarmonization TypeOfIMHarmonization CoordinatingIM LeadRU TypeOfRequest 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="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:element> <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="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 journey location only if journey location belongs to PathInformation element</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
take	
2	Path
3	Path

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

element PermittedTolerance

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>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	<p>documentation</p> <p>Permitted tolerance after date of overhaul (in months)</p>									
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										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	CommunicationRefID									
properties	content simple									
used by	element AdministrativeContactInformation									
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>70</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	70	
Kind	Value	Annotation								
minLength	1									
maxLength	70									
annotation	<p>documentation</p> <p>Generic Phone number in Free text</p>									
source	<pre> <xs:element name="PhoneNumber" type="CommunicationRefID"> <xs:annotation> <xs:documentation>Generic Phone number in Free text</xs:documentation></pre>									

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

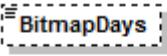
diagram	<p>The date and time of the release of a wagon at customer sidings</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
annotation	documentation The date and time of the release of a wagon at customer sidings
source	<pre><xs:element name="PickupTimeAtLocation" 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	<p>This is the calendar item for path request/path details messages - used in planning phase</p> <p>BitmapDays Bitmapstream must be provided for the trains that are running more than one day in timetable period; it is optional otherwise.</p> <p>ValidityPeriod</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	BitmapDays ValidityPeriod
used by	elements 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 name="BitmapDays" minOccurs="0"> <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"> </pre>

	<pre> <xs:minLength <xs:maxLength <xs:whiteSpace <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> <xs:element </xs:sequence> </xs:complexType> </xs:element> </pre>	<pre> value="1"/> value="740"/> value="collapse"/> value="[0-1]{1,740}"/> </pre>
		<pre> ref="ValidityPeriod"/> </pre>

element **PlannedCalendar/BitmapDays**

diagram	 <p>Bitmapstream must be provided for the trains that are running more than one day in timetable period; it is optional otherwise.</p>	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4	
type	restriction of xs:string	
properties	minOcc 0 maxOcc 1 content simple	
facets	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" minOccurs="0"> <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> <xs:minLength <xs:maxLength <xs:whiteSpace <xs:pattern </xs:restriction> </xs:simpleType> </xs:element> </pre>	

element **PlannedDateNextOverhaul**

diagram	 PlannedDateNextOverhaul
	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.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:date
properties	content simple
used by	element RollingStockDataset/DesignDataSet
annotation	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.
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 PlannedJourneyLocation { <<Any operation point along the train journey>> } class LocationIdent { <<extension>> } class CountryCodeISO { <<Identifies a Country or State by code (ISO 3166-1)>> } class LocationPrimaryCode { <<Location Name in an officiation language, represented using the ISO Unicode alphabet>> } class PrimaryLocationName { <<Location Name in an officiation language, represented using the ISO Unicode alphabet>> } class LocationSubsidiaryIdentification { <<Code, Name and allocation company of Subsidiary Location>> } class JourneyLocationTypeCode { <<0..1>> values: Origin, Intermediate, Destination, Handover, Interchange, Handover and Interchange, State Border, None, Mutually Defined } class TimingLocation { <<Timing at an operation point. It has an attribute TimingLocationCode with the following values:>> values: PLA = Public Location Arrival, ELA = Earliest Location Arrival, ALA = Actual Location Arrival, LLA = Latest Location Arrival, PLA = Public Location Departure, ELD = Earliest Location Departure, ALD = Actual Location Departure, LLD = Latest Location Departure } class FreeTextField { <<0..>> values: Free Text } class ResponsibleApplicant { <<This element has to be used for the white journey where the applicant has made the request>> } class ResponsibleRU { <<RU Responsible for the physical location of the train or wagon>> } class ResponsibleIM { <<IM Responsible for Reporting. For Part Requests, this element has to be used - in the first journey location (origin of train) - in case the locations could even be a network border without stopping of the train) - in case the location in the oncoming section changes from the legal point of view. Then the responsible IM has the legal responsibility for the oncoming section.>> } class PlannedTrainData { <<Train relevant data for a planning period>> } class StatusReharmonization { <<Describes if harmonized. It just sets an indication message: has the interchange/handover been harmonized or not.>> } class TrainActivity { <<0..>> <<Since the activities can be released by the driver, re-desching of wagons and/or cars to different trains, the references to other trains should be possible to be indicated>> } class OnDemandPath { <<For the use of on demand or optional path (has to be either explicitly or implicitly defined depending on network rules)>> } class PreArrangedPath { <<Path offered by the IMs with pre-defined frequencies, time of departures and destination settings suitable for freight transport services>> } class OperationalTrainNumber { <<Identifies the train for traffic management purposes, e.g. Dispatching, GSMR services, etc.>> } class NetworkSpecificParameter { <<0..>> <<The usage of this element must be specified in national rules and has to be defined by each IM>> } </pre> <p>The diagram illustrates the structure of the PlannedJourneyLocation element. It is an extension of the LocationIdent element. The PlannedJourneyLocation element contains attributes for JourneyLocationTypeCode, TimingLocation, FreeTextField, ResponsibleApplicant, ResponsibleRU, ResponsibleIM, PlannedTrainData, StatusReharmonization, TrainActivity, OnDemandPath, PreArrangedPath, OperationalTrainNumber, and NetworkSpecificParameter. The JourneyLocationTypeCode attribute defines codes for various types of locations, and the TimingLocation attribute defines timing points with specific codes.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	extension of LocationIdent

properties	content complex					
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification TimingAtLocation FreeTextField ResponsibleApplicant ResponsibleRU ResponsibleIM PlannedTrainData StatusOfHarmonization TrainActivity OnDemandPath PreArrangedPath OperationalTrainNumber NetworkSpecificParameter					
used by	elements PathInformation TrainInformation					
attributes	Name JourneyLocationTypeCode	Type derived by: <code>xs:token</code>	Use	Default	Fixed	Annotation documentation
					01 = Origin	
					02 = Intermediate	
					03 = Destination	
					04 = Handover	
					05 = Interchange	
					06 = Handover and Interchange	
					07 = State Border	
					08 = None	
					99 = Mutually Defined	
annotation	documentation Any operation point along the train journey					
source	<pre> <xs:element name="PlannedJourneyLocation"> <xs:annotation> <xs:documentation>Any operation point along the train journey</xs:documentation> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="LocationIdent"> <xs:sequence minOccurs="0"> <xs:element ref="TimingAtLocation" maxOccurs="unbounded"/> <xs:element ref="FreeTextField" maxOccurs="0"/> <xs:element ref="ResponsibleApplicant" minOccurs="0"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element> </pre>					

	<pre> <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: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> <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:sequence> <xs:attribute <xs:extension> <xs:attribute <xs:complexType> <xs:sequence> <xs:element ref="JourneyLocationTypeCode"/> </xs:sequence> </xs:complexType> </xs:attribute> </xs:extension> </xs:attribute> </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/2.4
properties	minOcc 0 maxOcc 1 content complex
children	HandoverHarmonized InterchangeHarmonized
annotation	<p>documentation</p> <p>Does not force harmonization, it just sets an indication message: has the interchange/handover been harmonized or not.</p>
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>
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namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	 <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/2.4
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 **PlannedTrainData**

diagram	<pre> classDiagram class PlannedTrainData { <<Planned relevant data for a planning period>> } class TrainType { 1 Passenger train 1 Commercial train with passenger coaches or trainsets 1 Empty run of Train with passenger coaches or trainsets 1 Including Crew train (for Train Crew Members) 2 Freight train 1 Train with freight wagons 1 Light engine (locomotive train). One or more engines without any carriages 4 Engineering train 1 Train for measurement, maintenance, instructions, homologation, etc 0 Other Train types that are not covered with the four codes given above can be codified as "other" in the messages Passenger with Freight - military trains; the Overnight Express; Royalty, Head of States } class TrafficType class TypeofService class CommercialTrafficType class PlannedTrainTechnicalData class ExceptionalGaugingIdent class DangerousGoodsIndication class CombinedTrafficLoadProfile PlannedTrainData "1..>" TrainType PlannedTrainData "1..>" TrafficType PlannedTrainData "1..>" TypeofService PlannedTrainData "1..>" CommercialTrafficType PlannedTrainData "1..>" PlannedTrainTechnicalData PlannedTrainData "0..>" ExceptionalGaugingIdent PlannedTrainData "0..>" DangerousGoodsIndication PlannedTrainData "0..>" CombinedTrafficLoadProfile </pre> <p>PlannedTrainData (represented by a rectangle with a dashed border) has associations with:</p> <ul style="list-style-type: none"> TrainType: Multiplicity 1..>. TrafficType: Multiplicity 1..>. TypeofService: Multiplicity 1..>. CommercialTrafficType: Multiplicity 1..>. PlannedTrainTechnicalData: Multiplicity 1..>. ExceptionalGaugingIdent: Multiplicity 0..>. DangerousGoodsIndication: Multiplicity 0..>. CombinedTrafficLoadProfile: Multiplicity 0..>. <p>PlannedTrainData is described as "Train relevant data for a planning period".</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	TrainType TrafficType 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="TypeofService" minOccurs="0"/> <xs:element name="CommercialTrafficType" type="type7009BrandNameCodeList" minOccurs="0"/> <xs:element ref="PlannedTrainTechnicalData"/> <xs:element ref="ExceptionalGaugingIdent" minOccurs="0" 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																
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4															
type	type7009BrandNameCodeList															
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>maxLength</td> <td>17</td> <td></td> </tr> <tr> <td>enumeration</td> <td>46</td> <td>documentation TAJ documentation TAJ documentation Day car train documentation 13 documentation 0</td> </tr> <tr> <td>enumeration</td> <td>47</td> <td>documentation TAC documentation TAC documentation Car sleeper train, motor rail (CST) documentation 14 documentation 0</td> </tr> <tr> <td>enumeration</td> <td>48</td> <td>documentation SAE</td> </tr> </tbody> </table>	Kind	Value	Annotation	maxLength	17		enumeration	46	documentation TAJ documentation TAJ documentation Day car train documentation 13 documentation 0	enumeration	47	documentation TAC documentation TAC documentation Car sleeper train, motor rail (CST) documentation 14 documentation 0	enumeration	48	documentation SAE
Kind	Value	Annotation														
maxLength	17															
enumeration	46	documentation TAJ documentation TAJ documentation Day car train documentation 13 documentation 0														
enumeration	47	documentation TAC documentation TAC documentation Car sleeper train, motor rail (CST) documentation 14 documentation 0														
enumeration	48	documentation SAE														

		documentation SAE documentation Unaccompanied car service, motor rail documentation 14 documentation 0 documentation EIC documentation EkspresIC documentation Fast and Comfortable Interregional trains documentation 10 documentation 0 documentation EC documentation EuroCity documentation EuroCity documentation 9 documentation 0 documentation ICE documentation ICE documentation ICE documentation 8 documentation 0 documentation AVE documentation AVE documentation AVE documentation 8 documentation 0 documentation EIL documentation EUROSTAR documentation Eurostar documentation 8 documentation 0 documentation documentation documentation Talgo documentation 9 documentation 0 documentation OTU documentation Oresundstog documentation
		enumeration 49
		enumeration 50
		enumeration 51
		enumeration 52
		enumeration 53
		enumeration 54
		enumeration 55

		Oresundstog documentation 10 documentation 0 documentation TGV documentation TGV documentation TGV Bruxelles – Lille / Province documentation 8 documentation 0 documentation TGV documentation TGV documentation TGV Geneve - Méditerranée documentation 8 documentation 0 documentation TRN documentation Intercités documentation Intercités documentation 9 documentation 0 documentation AE documentation ALLEGRO documentation Allegro documentation 8 documentation 0 documentation ECB documentation EuroCityBrenner documentation EuroCityBrenner documentation 9 documentation 0 documentation documentation documentation Suburban service documentation 12 documentation 0 documentation IC documentation Intercity documentation Intercity documentation 9
--	--	--

		documentation 0 documentation
	enumeration 64	documentation Hotel Train documentation 13 documentation 0 documentation
	enumeration 65	documentation Ferry documentation hydrofoil documentation 33 documentation 0 documentation
	enumeration 66	documentation IC documentation Intercity documentation Inter City Lyn documentation 9 documentation 0 documentation
	enumeration 67	documentation TRN documentation 10 documentation 0 documentation
	enumeration 68	documentation International documentation 9 documentation 0 documentation
	enumeration 69	documentation Express documentation 10 documentation 0 documentation
	enumeration 70	documentation EN documentation EuroNight documentation Euro Night documentation

	enumeration 71	13 documentation 0 documentation HST documentation High-speed train documentation High-speed train documentation 8 documentation 0 documentation TRN documentation TRAIN documentation Train SNCF documentation 9 documentation 0 documentation TGV documentation TGV documentation TGV Sud-Est documentation 8 documentation 0 documentation TGV documentation TGV documentation TGV Atlantique documentation 8 documentation 0 documentation TGV documentation TGV documentation TGV Nord documentation 8 documentation 0 documentation TGV documentation LYRIA documentation TGL documentation 8 documentation 0 documentation TGV documentation TGV documentation TGV Duplex documentation 8 documentation 0 documentation
	enumeration 72	
	enumeration 73	
	enumeration 74	
	enumeration 75	
	enumeration 76	
	enumeration 77	
	enumeration 79	

		TGV documentation TGV documentation TGV Est documentation 8 documentation 0 documentation TGV documentation TGV documentation TGV Interconnexion documentation 8 documentation 0 documentation TGV documentation RENFE-SNCF EN COOPERATION documentation Renfe-SNCF documentation 8 documentation 2 documentation
	enumeration 80	documentation THALYS documentation Thalys documentation 8 documentation 0 documentation
	enumeration 81	documentation Ferry documentation hovercraft documentation 33 documentation 0 documentation
	enumeration 82	documentation RE documentation regional train documentation Regional documentation 11 documentation 2 documentation
	enumeration 83	documentation WTE documentation Wilhelm Tell Express documentation Wilhelm Tell Express documentation 10 documentation 0 documentation
	enumeration 84	documentation CNL documentation City Night Line
	enumeration 85	
	enumeration 86	

		documentation City Night Line documentation 13 documentation 0 documentation
	enumeration 87	documentation PENDOLINO documentation Pendolino documentation 8 documentation 0 documentation
	enumeration 88	documentation
	enumeration 89	documentation Suburban documentation 12 documentation 3 documentation ALV documentation Alvia documentation Alvia documentation 8 documentation 0 documentation
	enumeration 90	documentation AVN documentation Avant documentation Avant documentation 8 documentation 0 documentation
	enumeration 91	documentation TER documentation TRAIN documentation Regional TER documentation 11 documentation 0 documentation
	enumeration 92	documentation REG documentation NSB Regiotog documentation NSB Regiotog documentation 37 documentation 0 documentation
	enumeration 93	documentation FB documentation FRECCIABIANCA documentation FRECCIABIANCA

		documentation 8 documentation 0 documentation SC documentation SuperCity documentation Supercity documentation 9 documentation 0 documentation CNL documentation City Night Line (D) documentation DB Nachtzug documentation 13 documentation 0 documentation INI documentation InterCityNotte Italia documentation InterCityNotte documentation 13 documentation 0 documentation ESI documentation ES* Italia documentation Eurostar Italia documentation 8 documentation 0 documentation GB documentation ATOC MEMBER OPERATED SERVICE documentation ATOC MEMBER OPERATED SERVICE documentation 37 documentation 0 documentation documentation documentation Funicular documentation 15 documentation 0 documentation documentation documentation Airport train documentation 12
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		documentation
	enumeration 101	0
		documentation
		Night train
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		documentation
		0
	enumeration 102	documentation
		Touristic train
		documentation
		9
		documentation
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	enumeration 107	documentation
		documentation
		documentation
		Historical train, steam engine train
		documentation
		16
		documentation
		0
	enumeration 108	documentation
		IRE
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		documentation
		Interregio-Express
		documentation
		10
		documentation
		0
	enumeration 109	documentation
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		RB
		documentation
		Regionalbahn
		documentation
		11
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	enumeration 110	documentation
		RE
		documentation
		RE
		documentation
		Regional-Express
		documentation
		11
		documentation
		0
	enumeration 111	documentation
		RT
		documentation
		RT
		documentation
		RegioTram
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		documentation
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	enumeration 112	documentation
		documentation

		documentation Shinkansen documentation 8 documentation 0 documentation THT documentation TrainHotel Talgo documentation Train hotel talgo documentation 13 documentation 0 documentation EUR documentation Euromed documentation Euromed documentation 9 documentation 0 documentation ALR documentation Alaris documentation Alaris documentation 9 documentation 0 documentation ALT documentation Altaria documentation Altaria documentation 9 documentation 0 documentation ALC documentation Arco documentation Arco documentation 9 documentation 0 documentation documentation documentation S-Bahn documentation 12 documentation 0 documentation documentation
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	enumeration 115	
	enumeration 116	
	enumeration 117	
	enumeration 119	
	enumeration 120	

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		documentation
		Interregional
		documentation
		10
		documentation
		2
enumeration	122	documentation
		documentation
enumeration	123	documentation
		documentation
		documentation
		Interregional Night Train
		documentation
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		documentation
		2
enumeration	126	documentation
		documentation
		documentation
		ARZ
		documentation
		14
		documentation
		0
enumeration	128	documentation
		ELP
		documentation
		ELIPSOS
		documentation
		ELIPSOS
		documentation
		8
		documentation
		0
enumeration	129	documentation
		ELP
		documentation
		ELIPSOS DUPLEX
		documentation
		ELIPSOS DUPLEX
		documentation
		8
		documentation
		0
enumeration	130	documentation
		BUS
		documentation
		IC Bus
		documentation
		Bus
		documentation
		32
		documentation
		1
enumeration	131	documentation
		BUS
		documentation
		IC Bus international
		documentation
		Bus

		documentation 32 documentation 1 documentation
	enumeration 153	documentation special train documentation Sonderzug documentation 9 documentation 0 documentation
	enumeration 154	documentation
	enumeration 155	documentation InterCityRapid documentation 9 documentation 0 documentation
	enumeration 157	documentation
	enumeration 158	documentation Fast train documentation 9 documentation 0 documentation
	enumeration 159	documentation Euregio documentation 11 documentation 0 documentation
	enumeration 160	documentation Bus documentation IC Ersatzbus documentation 32 documentation 0 documentation
		documentation Bus

		<p>documentation IP Ersatzbus documentation 32 documentation 0 documentation TGV documentation TGV-France Allemagne documentation TGV-France Allemagne documentation 8 documentation 0 documentation</p> <p>enumeration 162</p> <p>documentation Bus documentation Replacement Bus documentation 32 documentation 0 documentation TGV documentation LYRIA Duplex documentation TGV Duplex Lyria documentation 8 documentation 0 documentation ESF documentation ES Fast documentation ES Fast documentation 8 documentation 3 documentation EAF documentation ES AV Fast documentation Es AV Fast documentation 8 documentation 3 documentation TGV documentation TGV Duplex France Allemagne documentation TGV Duplex France Allemagne documentation 8 documentation 1 documentation YHT documentation YHT documentation High speed train in Turkey documentation</p>
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	enumeration 171	8 documentation 0 documentation FA documentation FRECCIARGENTO documentation FRECCIARGENTO documentation 8 documentation 0 documentation FR documentation FRECCIAROSSA documentation FRECCIAROSSA documentation 8 documentation 0 documentation AP documentation Albula Panoramawagen documentation Albula Panoramawagen documentation 10 documentation 0 documentation BEX documentation Bernina Express documentation Bernina Express (Panorama Train) documentation 10 documentation 0 documentation GEX documentation Glacier Express documentation Glacier Express (Panorama Train) documentation 10 documentation 0 documentation GP documentation Golden Pass documentation Golden Pass (Panorama Train) documentation 10 documentation 0 documentation BNI documentation Bernina Panorama documentation Bernina Panorama documentation 11 documentation 1 documentation
	enumeration 172	
	enumeration 173	
	enumeration 174	
	enumeration 175	
	enumeration 176	
	enumeration 177	
	enumeration 200	

		TGV documentation TGV documentation TGV France Luxembourg documentation 8 documentation 0 documentation ICE documentation ICE-Allemagne France documentation ICE Allemagne-France documentation 8 documentation 0 documentation
	enumeration 202	
	enumeration 203	
	enumeration 204	documentation ÖBB-NIGHTLINE documentation ÖBB Night Line documentation 13 documentation 0 documentation EAV documentation Eurostar Italia AV documentation Eurostar Italia AV documentation 8 documentation 3
	enumeration 205	documentation ICP documentation Intercity Plus documentation Intercity Plus documentation 9 documentation 3
	enumeration 206	documentation RID documentation Riviera Day documentation Riviera day documentation 9 documentation 0
	enumeration 207	documentation RIN documentation Riviera Night documentation Riviera night documentation 9 documentation 0
	enumeration 208	documentation ESC documentation Eurostar City

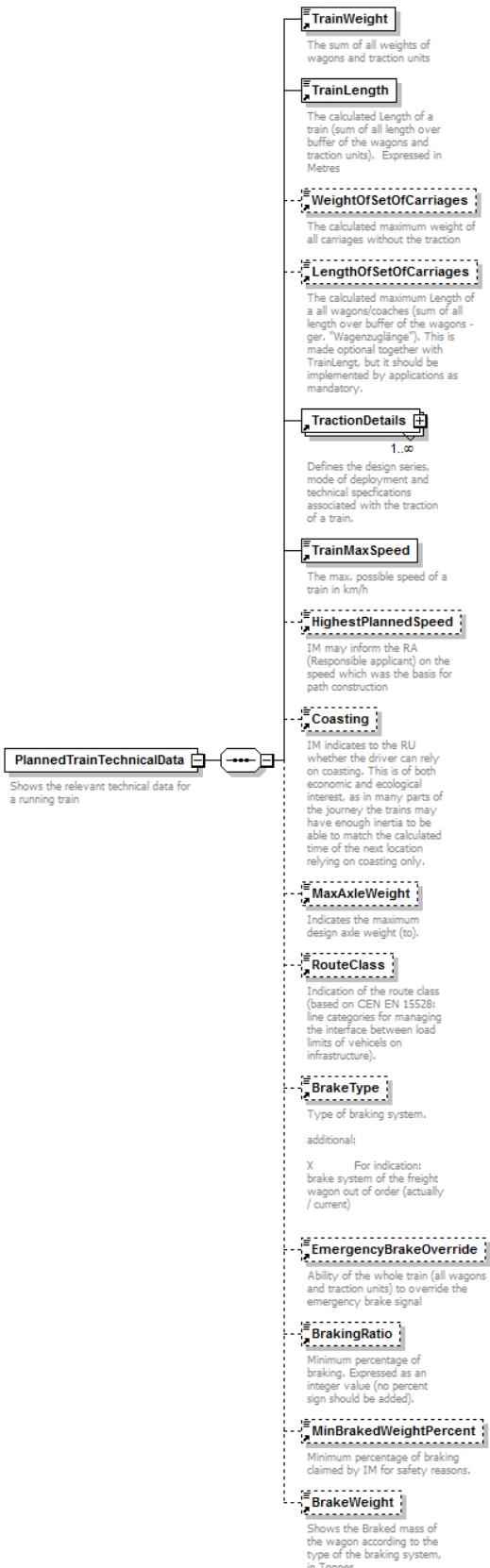
		documentation Eurostar City documentation 8 documentation 0 documentation RJ documentation R A I L J E T documentation Rail Jet documentation 9 documentation 0 documentation ICD documentation Intercity direct documentation Intercity direct documentation 8 documentation 2 documentation AZ documentation DB Autozug documentation DB Autozug documentation 14 documentation 0 documentation
	enumeration 210	documentation Intercity direct documentation 8 documentation 2 documentation AZ documentation DB Autozug documentation 14 documentation 0 documentation
	enumeration 213	documentation Berlin-Warszawa-Express documentation Berlin-Warszawa-Express documentation 8 documentation 0 documentation
	enumeration 214	documentation Berlin-Warszawa-Express documentation 8 documentation 0 documentation
	enumeration 215	documentation NMBS Nachtzug documentation NMBS Nachtzug documentation 13 documentation 0 documentation
	enumeration 216	documentation PRECIOS MERCADO documentation Precios Mercado documentation 9 documentation 0 documentation
	enumeration 219	documentation TGV documentation TGV documentation TGV

		documentation 8 documentation 0 documentation City Night Line Transferbus documentation 32 documentation 0 documentation FB documentation FB documentation FernBus documentation 32 documentation 1 documentation ICB documentation Intercitybus documentation ÖBB-Intercitybus documentation 32 documentation 1 documentation TLK documentation TLK train documentation Yours Rail Lines documentation 10 documentation 1 documentation A documentation RailBus documentation RailBus documentation 32 documentation 1 documentation BUS documentation Replacement bus for Regional Train documentation Replacement bus for Regional Train documentation 32 documentation 1 documentation IR documentation InterREGIO train documentation InterREGIO train documentation 10 documentation 1 documentation IRB documentation Replacement bus for InterRegio train
	enumeration	222
	enumeration	223
	enumeration	224
	enumeration	225
	enumeration	226
	enumeration	227
	enumeration	228
	enumeration	229

		documentation Replacement bus for InterRegio train documentation 32 documentation 1 documentation MP documentation Fast International Train documentation Fast International Train documentation 10 documentation 1 documentation MR documentation musicREGIO train documentation musicREGIO train documentation 11 documentation 1 documentation Os documentation Stopping Train documentation Stopping Train documentation 11 documentation 1 documentation P documentation Fast Train documentation Fast Train documentation 10 documentation 1 documentation R documentation REGIO train documentation REGIO train documentation 11 documentation 1 documentation RE documentation REGIOekspres train documentation REGIOekspres train documentation 10 documentation 1 documentation VR documentation viaREGIO train documentation viaREGIO train documentation 11
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		documentation 1 documentation TK documentation TurKol documentation TurKol documentation 11 documentation 1 documentation EIP documentation EIC Premium documentation High-speed train documentation 8 documentation 1 documentation SKM documentation PKP SKM w Trojmiescie documentation PKP SKM w Trojmiescie documentation 12 documentation 1
source		<code><xs:element name="CommercialTrafficType" type="tap:type7009BrandNameCodeList" minOccurs="0"/></code>

element **PlannedTrainTechnicalData**

diagram	 <p>PlannedTrainTechnicalData</p> <p>Shows the relevant technical data for a running train</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	TrainWeight TrainLength WeightOfSetOfCarriages LengthOfSetOfCarriages TractionDetails TrainMaxSpeed HighestPlannedSpeed Coasting MaxAxleWeight RouteClass BrakeType EmergencyBrakeOverride BrakingRatio MinBrakedWeightPercent BrakeWeight
used by	element PlannedTrainData
annotation	documentation Shows the relevant technical data for a running train
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:element ref="LengthOfSetOfCarriages" minOccurs="0"/> <xs:element ref="TractionDetails" maxOccurs="unbounded"> <xs:element ref="TrainMaxSpeed"/> <xs:element ref="HighestPlannedSpeed" 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 ref="EmergencyBrakeOverride" minOccurs="0"/> <xs:element ref="BrakingRatio" minOccurs="0"/> <xs:element ref="MinBrakedWeightPercent" minOccurs="0"/> <xs:element ref="BrakeWeight" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element **PlannedTransportIdentifiers**

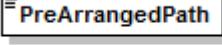
diagram	<pre> classDiagram class PlannedTransportIdentifiers class CompositIdentifierPlannedType { ObjectType Company Core Variant TimetableYear StartDate } PlannedTransportIdentifiers --> CompositIdentifierPlannedType </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CompositIdentifierPlannedType
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	<pre> classDiagram class PostalCode { <<The postal code for the postal address>> } </pre>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:string									
properties	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	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 base="xs:string"> <xs:minLength value="1"/> <xsmaxLength 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/2.4									
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"/> <xsmaxLength value="9"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element **PreviousConsignmentNumber**

diagram	 PreviousConsignmentNumber This element shows the previous Reference number assigned to a consignment by a lead RU
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	 PreviousResponsibleRU This element identifies the RU, who was responsible for the train operation on the journey section before an interchange point
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CompanyCode
properties	content simple
used by	elements ConsignmentOrderMessage/COMS/COM/AcceptancePoint WIMO Dataset/ConsignmentLevelData
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
annotation	documentation This element identifies the RU, who was responsible for the train operation on the journey section before an interchange point
source	<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	 PrimaryLocationName Location Name in an official language of the Country using the ISO Unicode alphabet
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namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	FreeText
properties	content simple
used by	complexType LocationIdent
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Location Name in an official 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 official language of the Country using the ISO Unicode alphabet</xs:documentation> </xs:annotation> </xs:element></pre>

element ProductionStation

diagram	<p>The diagram illustrates the relationship between ProductionStation, Location, and RP_Code. ProductionStation is connected to Location (Identifies a Location using a LocationIdent) and RP_Code (Routing point code of the production station of the acceptance or delivery point).</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <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 ref="Location" /> <xs:element ref="RP_Code" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element></pre>

element **Quantity**

diagram	 Quantity Amount of the loading tackles of the specified type.									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	<p>documentation</p> <p>Amount of the loading tackles of the specified type.</p>									
source	<pre> <xs:element name="Quantity"> <xs:annotation> <xs:documentation>Amount of the loading tackles of the specified type.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element ReceiptConfirmationMessage

diagram	<p>This message is sent from the recipient of a message to the original sender of the message when the required response cannot be made available within 5 minutes as defined by the TAF TSI chapter 4.4. 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/2.4
properties	content complex
children	MessageHeader Identifiers 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-information.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader" /> <xs:element ref="Identifiers" minOccurs="0" /> <xs:element ref="TypeOfRequest" minOccurs="0" /> <xs:element ref="TypeOfInformation" minOccurs="0" /> <xs:element ref="AffectedSection" minOccurs="0" /> </xs:sequence> <xs:attribute maxOccurs="unbounded" /> </xs:complexType> </xs:element> </pre>

	<pre><xs:element </xs:sequence> </xs:complexType> </xs:element></pre>	<code>ref="RelatedReference"/></code>
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element Recipient

diagram	<p>The diagram shows a class named 'Recipient' with a note below it: 'Receiver of the message'. An association line connects 'Recipient' to an attribute named 'CI_InstanceNumber'. A note next to 'CI_InstanceNumber' states: 'Number of a Common Interface Instance for the same Company'. There is also a note above 'CI_InstanceNumber' labeled 'attributes'.</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
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>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												
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	documentation Receiver of the message												
source	<pre><xs:element <xs:annotation> <xs:documentation>Receiver 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 ReferencedLocationDateTime

diagram	<p>The diagram shows a class named 'ReferencedLocationDateTime' with a note below it: 'Reference to original planned Date and Time agreed by all involved IMs and RUs.'</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple

used by	elements 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	<p>This element contains references according to NCTS or EMCS law. This element MUST NOT be empty!</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element> <xs:element name="MRN_Number" ref="MRN_Type"> <xs:annotation> <xs:documentation>Movement reference number. 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="21"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
accordance	

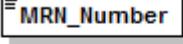
	<pre> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="ARC" minOccurs="0"> <xs:annotation> <xs:documentation>Administrative Reference CodeEMCS (Excise Movement and Control System)</xs:documentation> <xs:documentation>CODE: EU (EC) No 684/2009</xs:documentation> </xs:annotation> <xs:simpleType>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

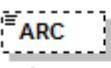
diagram	<p>The diagram illustrates the UML class MovementReferenceNumber. It has two associations: one to MRN_Type and another to MRN_Number. The MRN_Type association is marked with a multiplicity of 0..1 and has a directed association arrow pointing from MovementReferenceNumber to MRN_Type. The MRN_Number association is marked with a multiplicity of 0..1 and has a directed association arrow pointing from MovementReferenceNumber to MRN_Number. Below the classes, a note states: "Movement Reference Number according to NCTS".</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 1 content complex
children	MRN_Type MRN_Number
annotation	documentation Movement Reference Number according to NCTS
source	<pre> <xs:element name="MovementReferenceNumber" minOccurs="0"> <xs:annotation> <xs:documentation>Movement Reference Number according to NCTS</xs:documentation> </xs:annotation> </pre>

	<pre> </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:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="21"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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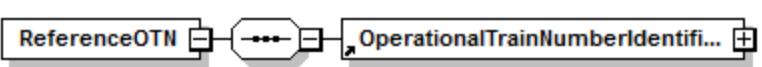
element ReferenceNumbers/MovementReferenceNumber/MRN_Number

diagram	 <p>Movement reference number. Data element in accordance with Regulation (EC) 1875/2006.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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 value="1"/> <xs:maxLength value="21"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element ReferenceNumbers/ARC

diagram	 Administrative Reference CodeEMCS (Excise Movement and Control System)
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 21
annotation	documentation Administrative Reference CodeEMCS (Excise Movement and Control System) documentation CODE: EU (EC) No 684/2009
source	<pre> <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 value="21"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element ReferenceOTN

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 RefusalAtInterchange

diagram	<p>RefusalAtInterchange</p> <p>Place where the responsibility of a wagon is refused and the date and time when the wagon responsibility of the wagon is refused</p> <p>Location</p> <p>Identifies a Location using a LocationIdent</p> <p>RefusalTimeAtInterchange</p> <p>The Departure Date and Time or the handover Date and Time at an interchange point where the responsibility was intended to change to another RU, but where the RU refused to take over the responsibility</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	Location RefusalTimeAtInterchange
used by	element WagonRefusedAtInterchangeMessage
annotation	<p>documentation</p> <p>Place where the responsibility of a wagon is refused and the date and time when the wagon responsibility of the wagon is refused</p>
source	<pre> <xs:element name="RefusalAtInterchange"> <xs:annotation> <xs:documentation>Place where the responsibility of a wagon is refused and the date and time when the wagon responsibility of the wagon is refused</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="RefusalTimeAtInterchange"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element RefusalTimeAtInterchange

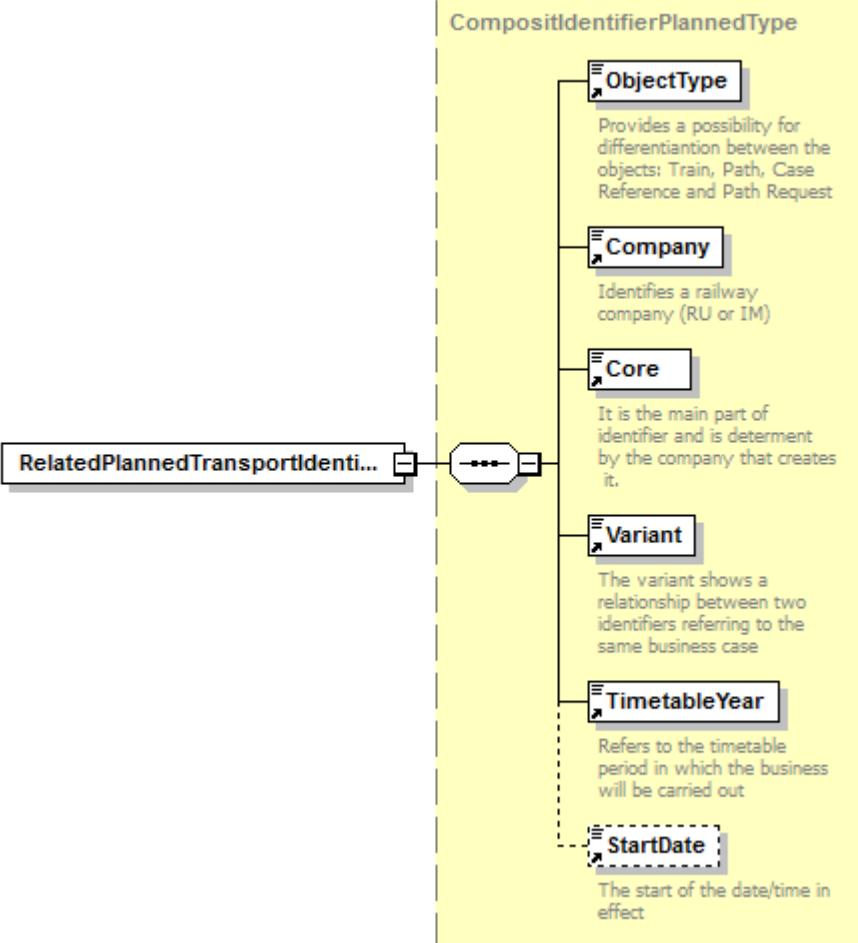
diagram	<p>RefusalTimeAtInterchange</p> <p>The Departure Date and Time or the handover Date and Time at an interchange point where the responsibility was intended to change to another RU, but where the RU refused to take over the responsibility</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
used by	element RefusalAtInterchange
annotation	<p>documentation</p> <p>The Departure Date and Time or the handover Date and Time at an interchange point where the responsibility was intended to change to another RU, but where the RU refused to take over the responsibility</p>
source	<pre> <xs:element name="RefusalTimeAtInterchange" type="xs:dateTime"> <xs:annotation> <xs:documentation>The Departure Date and Time or the handover Date and Time at an interchange point where the responsibility was intended to change to another RU, but where the RU refused to take over the responsibility</xs:documentation> </xs:annotation> </xs:element></pre>

	<p>to another RU, but where the RU refused to take over the responsibility</xs:documentation></p> <p></xs:annotation></p> <p></xs:element></p>
--	--

element RelatedIdentifier

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	FreeText									
properties	content simple									
used by	element RelatedReference									
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	<xs:element name="RelatedIdentifier" type="FreeText"/>									

element RelatedPlannedTransportIdentifiers

diagram	 <pre> classDiagram class CompositIdentifierPlannedType { <<CompositIdentifierPlannedType>> <<Object>> <<Company>> <<Core>> <<Variant>> <<TimetableYear>> <<StartDate>> } class RelatedPlannedTransportIdentifiers { <<RelatedPlannedTransportIdentifiers>> } CompositIdentifierPlannedType "1" *-- "1" RelatedPlannedTransportIdentifiers CompositIdentifierPlannedType "1" *-- "1" <<Object>> CompositIdentifierPlannedType "1" *-- "1" <<Company>> CompositIdentifierPlannedType "1" *-- "1" <<Core>> CompositIdentifierPlannedType "1" *-- "1" <<Variant>> CompositIdentifierPlannedType "1" *-- "1" <<TimetableYear>> CompositIdentifierPlannedType "1" *-- "1" <<StartDate>> </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

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	<p>Identifies the message to which the actual message refers</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	RelatedType RelatedIdentifier RelatedSenderReference RelatedMessageDateTime
used by	elements ReceiptConfirmationMessage WagonDepartureNoticeMessage WagonDeviationMessage WagonETI_ETA_Message WagonReceivedAtInterchangeMessage WagonRefusedAtInterchangeMessage
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 refers</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="RelatedType" type="MessageCode"/> <xs:element ref="RelatedIdentifier"/> <xs:element ref="RelatedSenderReference" minOccurs="0"/> <xs:element name="RelatedMessageDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date Time of related message.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element **RelatedReference/RelatedType**

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

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4											
type	MessageCode											
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>9999</td> <td></td> </tr> </tbody> </table>			Kind	Value	Annotation	minInclusive	1		maxInclusive	9999	
Kind	Value	Annotation										
minInclusive	1											
maxInclusive	9999											
source	<xs:element name="RelatedType" type="MessageCode"/>											

element **RelatedReference/RelatedMessageDateTime**

diagram	 Date Time of related message.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
annotation	documentation Date Time of related message.
source	<xs:element name="RelatedMessageDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date Time of related message. </xs:documentation> </xs:annotation> </xs:element>

element **RelatedSenderReference**

diagram	 Sender reference given by the Sender
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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**

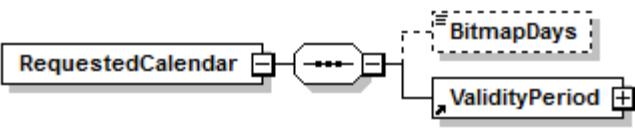
diagram	<pre> classDiagram class RelatedTransportOperationalIdentifiers class CompositIdentifierOperationalType { ObjectType Company Core Variant TimetableYear StartDate } RelatedTransportOperationalIdentifiers --> CompositIdentifierOperationalType CompositIdentifierOperationalType --> ... CompositIdentifierOperationalType --> ... </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CompositIdentifierOperationalType
properties	content complex
children	ObjectType Company Core Variant TimetableYear StartDate
used by	element TrainOperationalIdentification
source	<pre> <xss:element name="RelatedTransportOperationalIdentifiers" type="CompositIdentifierOperationalType"/> </pre>

element **Remarks**

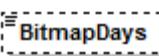
diagram	<pre> classDiagram class Remarks class FreeText Remarks --> FreeText FreeText --> ... FreeText --> ... </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	FreeText
properties	content simple
used by	elements DelayCauseTime InterruptionPoint TrainJourneyModificationMessage

facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Free Form Text
source	<xss:element name="Remarks" type="FreeText"> <xss:annotation> <xss:documentation>Free Form Text</xss:documentation> </xss:annotation> </xss:element>

element RequestedCalendar

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	BitmapDays ValidityPeriod
used by	element PathInformation
source	<xss:element name="RequestedCalendar"> <xss:complexType> <xss:sequence> <xss:element name="BitmapDays" minOccurs="0"> <xss:simpleType> <xss:restriction> <xss:minLength> <xss:maxLength> <xss:whiteSpace> <xss:pattern> </xss:restriction> </xss:simpleType> </xss:element> <xss:element ref="ValidityPeriod"/> </xss:sequence> </xss:complexType> </xss:element>

element RequestedCalendar/BitmapDays

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple

	whiteSpace collapse pattern [0-1]{1,740}	
source	<pre> <xs:element name="BitmapDays" minOccurs="0"> <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 RequestedPeriod

diagram	<pre> classDiagram class RequestedPeriod { <<Date/Time period of a request>> } class StartDateTime { <<The start of the date/time in effect>> } class EndDateTime { <<The end date/time in effect>> } RequestedPeriod "2" -- "1" StartDateTime RequestedPeriod "2" -- "1" EndDateTime </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	StartDateTime EndDateTime
annotation	documentation Date/Time period of a request
source	<pre> <xs:element name="RequestedPeriod"> <xs:annotation> <xs:documentation>Date/Time period of a request</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="StartDateTime"/> <xs:element ref="EndDateTime"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

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/2.4
properties	content complex
children	StartDateTime EndDateTime

annotation	documentation To specify a time period being requested
source	<pre> <xs:element name="RequestedTimeframe"> <xs:annotation> <xs:documentation>To specify a time period being requested</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="StartDateTime" /> <xs:element ref="EndDateTime" /> </xs:sequence> </xs:complexType> </xs:element></pre>

element ResponsibilityActualSection

diagram	<pre> classDiagram class ResponsibilityActualSection { <<This element identifies the responsible RU or IM for the actual path section>> } class ResponsibleRU { <<RU Responsible for the physical operation of the train or wagon>> } class ResponsibleIM { <<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.>> } ResponsibilityActualSection < -- ResponsibleRU ResponsibilityActualSection < -- ResponsibleIM </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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/2.4
properties	content complex
children	ResponsibleRU ResponsibleIM
used by	element JourneySection
annotation	<p>documentation</p> <p>This element identifies the responsible RU and IM for the following path section</p>
source	<pre> <xss:element name="ResponsibilityNextSection"> <xss:annotation> <xss:documentation>This element identifies the responsible RU and IM for the following path section</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="ResponsibleRU"/> <xss:element ref="ResponsibleIM"/> </xss:sequence> </xss:complexType> </xss:element></pre>

element ResponsibleApplicant

diagram	<p>This element has to be used for the whole journey where the applicant has made the request</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of CompanyCode
properties	content simple
used by	element PlannedJourneyLocation
facets	Kind minInclusive Value 0001 Annotation

	maxInclusive 9999
annotation	<p>documentation 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	 <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 oncoming section.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>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 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.</p>									
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 section.</xs:documentation> </xs:annotation></pre>									

	<code></xs:element></code>
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element ResponsibleRU

diagram	ResponsibleRU RU Responsible for the physical operation of the train or wagon
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 minInclusive 0001 maxInclusive 9999
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	RestrictionsDueToLoadOrDamage 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)
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	RestrictionCodes
properties	content simple
used by	WagonOperationalData
facets	Kind Value Annotation enumeration 07 enumeration 08 enumeration 09 enumeration 11 enumeration 12 enumeration 13 enumeration 14 enumeration 15 enumeration 18

	enumeration 25
	enumeration 30
	enumeration 31
	enumeration 32
	enumeration 33
	enumeration 34
	enumeration 35
	enumeration 36
	enumeration 37
	enumeration 38
	enumeration 39
	enumeration 41
	enumeration 42
	enumeration 50
	enumeration 52
	enumeration 62
	enumeration 63
	enumeration 68
	enumeration 70
	enumeration 71
	enumeration 90
	enumeration 91
	enumeration 92
	enumeration 94
	enumeration 99
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/2.4
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	<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/2.4
properties	content complex

children	<u>Law</u> <u>DangerousGoodsIndication</u> <u>TechnicalDescription</u> <u>ProperShippingName</u> <u>SpecialProvisionsRID</u> <u>AdditionalProvisionsRID</u> <u>ActionRequiredFromCarrier</u> <u>WeightNettoExplosiveMass</u> <u>ClassificationCode</u> <u>EmptyPackingCode</u>
used by	element <u>Goods</u>
annotation	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
source	<pre> <xs:element name="RID"> <xs:annotation> <xs: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</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <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> <xs:element ref="DangerousGoodsIndication"/> <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:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element> <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></pre>

	<pre> <xs:restriction <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> <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 <xs:maxLength </xs:restriction> </xs:simpleType> </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 <xs:maxLength </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 <xs:maxLength </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 <xs:fractionDigits <xs:totalDigits </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="ClassificationCode" minOccurs="0"> </pre>
--	---

```

<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>
      <xs:maxLength>
        <xs:annotation>
          <xs:documentation>present       only       with       class
1</xs:documentation>
        </xs:annotation>
      </xs:maxLength>
    </xs:restriction>
  </xs:simpleType>
</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>
      <xs:enumeration>
        <xs:annotation>
          <xs:documentation>EMPTY           base="xs:string">
          <xs:documentation>PACKAGING</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration>
        <xs:annotation>
          <xs:documentation>EMPTY           value="02">
          <xs:documentation>CONTAINER</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration>
        <xs:annotation>
          <xs:documentation>EMPTY           value="03">
          <xs:documentation>IBC</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration>
        <xs:annotation>
          <xs:documentation>EMPTY           value="04">
          <xs:documentation>LARGE           PACKAGING</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration>
        <xs:annotation>
          <xs:documentation>EMPTY           value="05">
          <xs:documentation>TANK-VEHICLE</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration>
        <xs:annotation>
          <xs:documentation>EMPTY           value="06">
          <xs:documentation>TANK-WAGON</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>

```

	<pre> <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> <xs:documentation>EMPTY PORTABLE TANK</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="11"> <xs:annotation> <xs:documentation>EMPTY BATTERY-VEHICLE</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="12"> <xs:annotation> <xs:documentation>EMPTY BATTERY-WAGON</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="13"> <xs:annotation> <xs:documentation>EMPTY LARGE CONTAINER WITH MULTIPLE LINKED ELEMENTS</xs:documentation> </xs:annotation> </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 RECEPTACLE le 1000L</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="17"> <xs:annotation> <xs:documentation>EMPTY RECEPTACLE gt 1000L</xs:documentation> </xs:annotation> </xs:enumeration> </pre>
--	--

	<pre> <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>	value="18">
--	---	-------------

element RID/Law

diagram	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> Law </div> <p>The law after which the RID data are declared.</p>															
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4															
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>enumeration</td> <td>2013</td> <td></td> </tr> <tr> <td>enumeration</td> <td>2015</td> <td></td> </tr> <tr> <td>enumeration</td> <td>2017</td> <td></td> </tr> <tr> <td>enumeration</td> <td>2019</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	2013		enumeration	2015		enumeration	2017		enumeration	2019	
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	<div style="border: 1px dashed black; padding: 2px; display: inline-block;"> TechnicalDescription </div> <p>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.</p>
---------	---

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:string		
properties	minOcc 0 maxOcc 1 content simple		
facets	Kind Value Annotation	minLength 1	maxLength 350
annotation	<p>documentation</p> <p>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.</p>		
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:simpleType> <xs:restriction> <xs:minLength value="1"/> <xs:maxLength value="350"/> </xs:restriction> </xs:simpleType> </xs:element></pre>		

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/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	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</pre>

	<pre>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> <p style="text-align: right;">base="xs:string"> value="1"/> value="350"/></p>
--	---

element RID/SpecialProvisionsRID

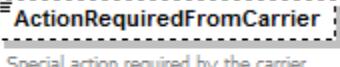
diagram	 <p>Used for any global special provisions of chapter 5.4, that are not treated by other elements in this message</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:string									
properties	minOcc 0 maxOcc 1 content simple									
facets	<table> <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>350</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	350	
Kind	Value	Annotation								
minLength	1									
maxLength	350									
annotation	<p>documentation</p> <p>Used for any global special provisions of chapter 5.4, that are not treated by other elements in this message</p>									
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 <xsmaxLength </xs:restriction> </xs:simpleType> </xs:element></pre> <p style="text-align: right;">base="xs:string"> value="1"/> value="350"/></p>									

element RID/AdditionalProvisionsRID

diagram	 <p>Used for any class related special provisions of chapter 5.4, that are not treated by other elements in this message</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element></pre>

element RID/ActionRequiredFromCarrier

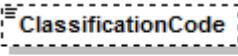
diagram	 Special action required by the carrier according to chapter 5.4.1.2.5.2 RID
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Special 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> <xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element></pre>

element RID/WeightNettoExplosiveMass

diagram	 Special provision only necessary and allowed for Class 1 (kg)- the total net mass of explosive substance (RID 5.4.1.2.1).
---------	--

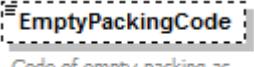
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:decimal		
properties	minOcc 0 maxOcc 1 content simple		
facets	Kind Value Annotation minInclusive 0 totalDigits 8 fractionDigits 1		
annotation	documentation Special provision only necessary and allowed for Class 1 (kg)- the 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 base="xs:decimal"> <xs:minInclusive value="0"/> <xs:fractionDigits value="1"/> <xs:totalDigits value="8"/> </xs:restriction> </xs:simpleType> </xs:element></pre>		

element RID/ClassificationCode

diagram	 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.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 4 documentation present only with class 1
annotation	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. documentation CODE: OTIF RID-Specification
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></pre>

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength <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/2.4																																																									
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
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																																																								
annotation	<p>documentation Code of empty packing as described in RID 5.4.1.1.6.2</p> <p>documentation CODE: OTIF RID-Specification, element EMPTY has been added as 'dummy' until the code list has been finished</p>																																																									

	and approved.
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> <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>

```

        <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    ELEMENTS</xs:documentation>
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    </xs:enumeration>
    <xs:enumeration
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        <xs:annotation>
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        </xs:annotation>
    </xs:enumeration>
    <xs:enumeration
        <xs:annotation>
            <xs:documentation>EMPTY</xs:documentation>
        </xs:annotation>
    </xs:enumeration>
</xs:restriction>
</xs:simpleType>
</xs:element>

```

element RollingRoadUnit

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xs:complexType> <xs:sequence> <xs:element name="RollingRoadUnitDetails"> <xs:annotation> <xs:documentation>Details for Rolling Road units on wagon</xs:documentation> </xs:annotation> <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"/> <xsmaxLength value="3"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> <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:complexType> <xs:sequence> <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:
- 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> <xs:element ref="CountryCodeISO"> <xs:sequence> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="TareWeightVehicle" type="WeightValueKilo"> <xs:annotation> <xs:documentation>Total weight [kg] of vehicle (truck and trailer).</xs:documentation> </xs:annotation> </pre>
--	--

```

        </xs:element>
        <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:sequence>
                            <xs:complexType>
                                <xs:element>
                                    <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: <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>
                                            </xs:annotation>
                                            <xs:simpleType>
                                                <xs:restriction>
                                                    <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: <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>
                                            </xs:annotation>
                                            <xs:simpleType>
                                                <xs:restriction>
                                                    <xs:minLength value="1"/>
                                                </xs:restriction>
                                            </xs:simpleType>
                                        </xs:element>
                                    </xs:sequence>
                                </xs:element>
                            </xs:sequence>
                        </xs:complexType>
                    </xs:element>
                </xs:sequence>
            </xs:complexType>
        </xs:element>
    
```

	<pre> </xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="Goods" maxOccurs="99"> <xs:annotation/> </xs:element> <xs:element ref="SummaryOfGoodsWithSameRID" minOccurs="0" maxOccurs="25"/> </xs:sequence> </xs:complexType> </xs:element> </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 "1" -- "0..2" Vehicles RollingRoadUnitDetails --> LoadingStatus RollingRoadUnitDetails --> RollingRoadUnitType RollingRoadUnitDetails --> TareWeightVehicle RollingRoadUnitDetails --> Haulier RollingRoadUnitDetails --> Attendants </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	LoadingStatus RollingRoadUnitType Vehicles TareWeightVehicle Haulier Attendants
annotation	documentation Details for Rolling Road units on wagon
source	<pre> <xs:element name="RollingRoadUnitDetails"> <xs:annotation> <xs:documentation>Details for Rolling Road units on wagon</xs:documentation> </xs:annotation> </pre>

```

wagon</xs:documentation>
</xs:annotation>
<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: <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>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction>
          <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: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/> -

```

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

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

element RollingRoadUnit/RollingRoadUnitDetails/RollingRoadUnitType

diagram																						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																					
type	restriction of xs:string																					
properties	minOcc 0 maxOcc 1 content simple default HGZ																					
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	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 consigner)																					

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"/> <xsmaxLength 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> </pre>
--------	---

element RollingRoadUnit/RollingRoadUnitDetails/Vehicles

diagram	<pre> classDiagram class Vehicles { *-- "0..2" NumberPlate *-- "0..2" CountryCodeISO } class NumberPlate { "Number plate of the vehicle." } class CountryCodeISO { "Identifies a County or State by code (ISO 3166-1)" } </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 2 content complex
children	NumberPlate CountryCodeISO
annotation	documentation List of vehicles loaded (i.e. truck and trailer).
source	<pre> <xs:element name="Vehicles" minOccurs="0" maxOccurs="2"> <xs:annotation> <xs:documentation>List of vehicles loaded (i.e. truck and </pre>

	<pre> trailer).</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <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 consigner)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="10"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="CountryCodeISO"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element RollingRoadUnit/RollingRoadUnitDetails/Vehicles/NumberPlate

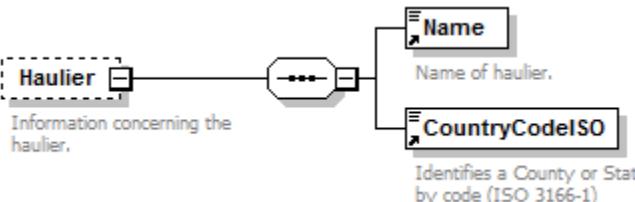
diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:string									
properties	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </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	<p>documentation Number plate of the vehicle. documentation READ:
 - Consignee documentation WRITE:
 - Consignor documentation AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consigner)</p>									
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 consigner)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="10"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </pre>									

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

element RollingRoadUnit/RollingRoadUnitDetails/TareWeightVehicle

diagram	 <p>Total weight [kg] of vehicle (truck and trailer).</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
type	WeightValueKilo												
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>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	<p>documentation</p> <p>Total weight [kg] of vehicle (truck and trailer).</p>												
source	<pre><xs:element name="TareWeightVehicle" type="WeightValueKilo"> <xs:annotation> <xs:documentation>Total weight [kg] of vehicle (truck and trailer).</xs:documentation> </xs:annotation> </xs:element></pre>												

element RollingRoadUnit/RollingRoadUnitDetails/Haulier

diagram	 <p>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/2.4						
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	Name CountryCodeISO						
annotation	<p>documentation</p> <p>Information concerning the haulier.</p>						
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:sequence> </xs:complexType> </xs:element></pre>						

	<pre> <xs:element </xs:sequence> </xs:complexType> </xs:element></pre>	<code>ref="CountryCodeISO"/></code>
--	---	--

element RollingRoadUnit/RollingRoadUnitDetails/Attendants

diagram	<pre> classDiagram class Attendants { <<0..2 Attendants during the transport.>> } class LastName { <<Last name of attendant.>> } class FirstName { <<Optional first name of the attendant.>> } Attendants "0..2" -- "*" LastName Attendants "0..2" -- "*" FirstName </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 <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>

	<pre> <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>	value="15"/>
--	--	------------------------

element RollingRoadUnit/RollingRoadUnitDetails/Attendants/LastName

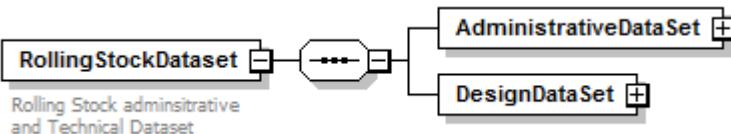
diagram	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> LastName </div> <p>Last name of attendant.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:string									
properties	content simple									
facets	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Kind</th> <th style="text-align: left;">Value</th> <th style="text-align: left;">Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>25</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	25	
Kind	Value	Annotation								
minLength	1									
maxLength	25									
annotation	<p>documentation Last name of attendant.</p> <p>documentation READ:
 - Consignee</p> <p>documentation WRITE:
 - Consignor</p> <p>documentation AMEND:
 - Contractual carrier
 - Successive carrier
 (With the agreement of the consignor)</p>									
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>									

element RollingRoadUnit/RollingRoadUnitDetails/Attendants/FirstName

diagram	<div style="border: 1px dashed black; padding: 2px; display: inline-block;"> FirstName </div> <p>Optional first name of the attendant.</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
type	restriction of xs:string						
properties	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">minOcc</th> <th style="text-align: left;">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	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	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 </pre>

	<pre> 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"> <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> </pre>
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	<pre> <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 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 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:element ref="CountryCodeISO"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
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	<pre> <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" type="xs:integer"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> <xs:maxInclusive value="9999"/> </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"> <xs:annotation> <xs:documentation>Date of the suspension of the ECM </pre>
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	<p>certificate; must be provided in case of suspension</p> <pre></xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="InteropCapability"> <xs:annotation> <xs:documentation>Identification of the general interoperability capability of the wagon</pre> <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</td></tr> </table> <pre></xs:annotation> </xs:element> <xs:element name="GCUWagon" type="xs:boolean"> <xs:annotation> <xs:documentation>Indication if wagon is operated under the contract</pre> <p>GCU</p> <pre></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</pre> <p>UIC</p> <pre></xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="20"/></pre> <pre></xs:simpleType> </xs:element> <xs:element name="TankCode" minOccurs="0"> <xs:annotation> <xs:documentation>Tank code (applies only for tank wagons).</pre> <p>The codes are defined in the RID regulation, chapter 4.3.3 and 4.3.4.1.1</p> <pre></xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"></pre>	01	=	National	02	= Bi-/Multilateral (with agreement or authorisation grid)		03	=	RIV	05	=	TEN	06	=	TEN-GE	07	=	TEN-CW	08	= TEN	RIV
01	=	National																				
02	= Bi-/Multilateral (with agreement or authorisation grid)																					
03	=	RIV																				
05	=	TEN																				
06	=	TEN-GE																				
07	=	TEN-CW																				
08	= TEN	RIV																				

	<pre> </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 value="20"/> </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 wagons only)</xs:documentation> </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 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 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> </pre>
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        </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="MaxAxleWeight"/>
    <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: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 base="xs:string" value="256"/>
                                </xs:simpleType>
                            </xs:element>
                        </xs:sequence>
                    </xs:complexType>
                </xs:element>
                <xs:element name="LoadTableCountry" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded">
                    <xs:annotation>

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	<pre> additional <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 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 base="xs:decimal"> <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> <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" </pre>
--	---

	<pre> 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> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="CompositeBrakeBlockRetrofitted" 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" 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> <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 </pre>
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	<p>accessory.</p> <p>TypeOfRemovableAccessories code list is used. Values refer to UIC Leaflet 920-13:</p> <pre> 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 wagon 21 = Beam for movable ramp on car-carrying wagon 22 = Spare heating 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="NumberOfAccessoryOfType" 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> </pre>
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</xs:annotation>
</xs:element>
<xs:element ref="FerryPermittedFlag" minOccurs="0">
    <xs:annotation>
        <xs:documentation> Indication if wagon is permitted to be
                           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
                           °)</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>
            <xs:element ref="MaxTemp"/>
            <xs:element ref="MinTemp"/>
        </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 name="DateLastOverhaul" type="xs:date">
    <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="DateNextOverhaul"/>
<xs:element ref="PermittedTolerance"/>
<xs:element ref="PlannedDateNextOverhaul"/>
<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>
```

	<pre></xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
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element RollingStockDataset/AdministrativeDataSet

diagram	<pre> classDiagram class AdministrativeDataSet { WagonNumberFreight PreviousWagonNumberFreight RegistrationCountry DatePutIntoService AuthorisationValidUntil SuspensionOfAuthorisation MultilateralAuthorisationCountry* ChannelTunnelPermitted QuieterRoutesExemptionCountry* KeeperShortNameVKM ECM PlannedChangeOfECM ECMCertificate InteropCapability GCUWagon } class AdministrativeDataSet { <<...>> } AdministrativeDataSet "0..1" --> "1" AdministrativeDataSet </pre> <p>The diagram illustrates the structure of the <code>AdministrativeDataSet</code> element. It contains the following attributes:</p> <ul style="list-style-type: none"> <code>WagonNumberFreight</code>: Identifies uniquely the freight wagon by its number. <code>PreviousWagonNumberFreight</code>: For identification of a wagon after renumbering. <code>RegistrationCountry</code>: ISO country code of registration country. <code>DatePutIntoService</code>: Date of first operation. <code>AuthorisationValidUntil</code>: End date for restricted authorisation (special case). <code>SuspensionOfAuthorisation</code>: Information if authorisation has been suspended by the authority. <code>MultilateralAuthorisationCountry*</code>: ISO country code of countries where the wagon is authorised (applies only in case of limited interoperability); first entry indicates the initial authorisation country. <code>ChannelTunnelPermitted</code>: Indication if wagon is allowed to pass the Channel Tunnel - if the transport is planned between UK and France and should use Eurotunnel infrastructure. <code>QuieterRoutesExemptionCountry*</code>: 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. <code>KeeperShortNameVKM</code>: 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). <code>ECM</code>: Full name of the assigned Entity in Charge of Maintenance. <code>PlannedChangeOfECM</code>: Associated with the <code>ECM</code> attribute. <code>ECMCertificate</code>: ECM certificate information. <code>InteropCapability</code>: Identification of the general interoperability capability of the wagon. The following values/codes are proposed for the usage (defined in the <code>InteropCapabilityCode</code>): 01 = National 02 = Bi/Multilateral (with agreement or authorisation grid) 03 = RIV 05 = TEN 06 = TEN-GE 07 = TEN-CW 08 = TEN RIV <code>GCUWagon</code>: Indication if wagon is operated under the GCU contract.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

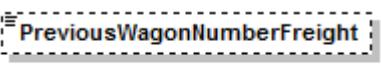
children	<u>WagonNumberFreight</u> <u>PreviousWagonNumberFreight</u> <u>RegistrationCountry</u> <u>DatePutIntoService</u> <u>AuthorisationValidUntil</u> <u>SuspensionOfAuthorisation</u> <u>DateSuspensionOfAuthorisation</u> <u>MultilateralAuthorisationCountries</u> <u>ChannelTunnelPermitted</u> <u>QuieterRoutesExemptionCountry</u> <u>KeeperShortNameVKM</u> <u>ECM</u> <u>PlannedChangeOfECM</u> <u>ECMCertificate</u> <u>InteropCapability</u> <u>GCUWagon</u>
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> <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 (special 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"> <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</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<p>Tunnel - if the transport is planned between UK and France and should use Eurotunnel infrastructure.</xs:documentation></p> <pre> </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 base="xs:string" value="256"/> </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" value="256"/> </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:element> </pre>
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	<pre> <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, 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 <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"> </pre>
--	--

	<pre> <xs:annotation> <xs:documentation>Identification if certificate has been 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> <xs:documentation>Identification of the general interoperability capability of the wagon The following values/codes are proposed for the usage (defined in the InteropCapabilityCode): </pre>
--	--

element RollingStockDataset/AdministrativeDataSet/PreviousWagonNumberFreight

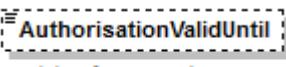
diagram	 <p>For identification of a wagon after renumbering</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
type	WagonIdent						
properties	<table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>1</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table>	minOcc	0	maxOcc	1	content	simple
minOcc	0						
maxOcc	1						
content	simple						

facets	Kind Value Annotation maxLength 12 pattern [0-9]{12}
annotation	documentation For identification of a wagon after renumbering
source	<pre><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></pre>

element RollingStockDataset/AdministrativeDataSet/RegistrationCountry

diagram	 ISO country code of registration country
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	 End date for restricted authorisation (special case)
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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/2.4
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> <xs:documentation>Information if authorisation has been suspended by the authority</xs:documentation> </xs:annotation> </xs:element></pre>

element RollingStockDataset/AdministrativeDataSet/DateSuspensionOfAuthorisation

diagram	 DateSuspensionOfAuthorisation Date of the suspension of authorisation; must be provided in case of suspension
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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

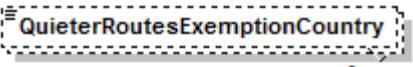
diagram	 MultilateralAuthorisationCountry... ISO country code of countries where the wagon is authorised (applies only in case of limited interoperability); first entry indicates the initial authorisation country 0..∞
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CountryIdentISO
properties	minOcc 0 maxOcc unbounded

	content simple									
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>minLength</td> <td>2</td> <td></td> </tr> <tr> <td>maxLength</td> <td>2</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	2		maxLength	2	
Kind	Value	Annotation								
minLength	2									
maxLength	2									
annotation	<p>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</p>									
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	 <p>Indication if wagon is allowed to pass the Channel Tunnel - if the transport is planned between UK and France and should use Eurotunnel infrastructure.</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
type	xs:boolean						
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						
annotation	<p>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.</p>						
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

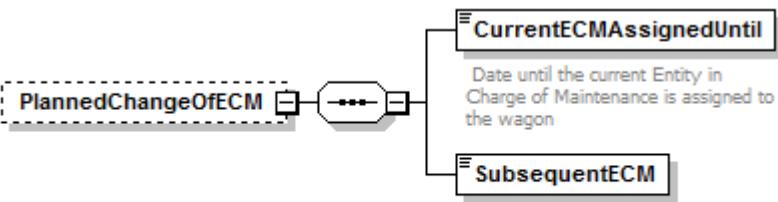
diagram	 <p>ISO code of country where the wagon has an exemption in accordance with TSI Noise to run on quieter routes although it is not TSI noise compliant</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
type	CountryIdentISO						
properties	<table> <thead> <tr> <th>minOcc</th> <th>0</th> </tr> </thead> <tbody> <tr> <td>maxOcc</td> <td>unbounded</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </tbody> </table>	minOcc	0	maxOcc	unbounded	content	simple
minOcc	0						
maxOcc	unbounded						
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> </tbody> </table>	Kind	Value	Annotation	minLength	2	
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	 <p>Full name of the assigned Entity in Charge of Maintenance</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
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>maxLength</td> <td>256</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	maxLength	256	
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	 <p>CurrentECMAssignedUntil Date until the current Entity in Charge of Maintenance is assigned to the wagon</p> <p>SubsequentECM Full name of the following Entity in Charge of Maintenance</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
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>complex</td> </tr> </tbody> </table>	minOcc	0	maxOcc	1	content	complex
minOcc	0						
maxOcc	1						
content	complex						

children	<u>CurrentECMAssignedUntil SubsequentECM</u>
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:simpleType> <xs:restriction> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element

RollingStockDataset/AdministrativeDataSet/PlannedChangeOfECM/CurrentECMAssignedUntil

diagram	CurrentECMAssignedUntil Date until the current Entity in Charge of Maintenance is assigned to the wagon
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:date
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	SubsequentECM Full name of the following Entity in Charge of Maintenance
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

type	restriction of xs:string
properties	content simple
facets	Kind Value Annotation maxLength 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 base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element RollingStockDataset/AdministrativeDataSet/ECMCertificate

diagram	<pre> classDiagram class ECMCertificate { <<ECM certificate information>> } class 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.>> } class ECMCertificateValidFrom { <<Certificate valid from date>> } class ECMCertificateValidTo { <<Certificate valid to date>> } class CoversTankWagonsForDangerousGoods { <<Certificate covers tank wagons for dangerous goods>> } class CoversNonTankWagonsForDangerousGoods { <<Certificate covers other wagons specialised in transport of dangerous goods>> } class ECMCertificateSuspended { <<Identification if certificate has been suspended for any reason>> } class DateECMCertificateSuspended { <<Date of the suspension of the ECM certificate; must be provided in case of suspension>> } ECMCertificate "1" -- "*" EINNumber : ECMCertificate "1" -- "*" ECMCertificateValidFrom : ECMCertificate "1" -- "*" ECMCertificateValidTo : ECMCertificate "1" -- "*" CoversTankWagonsForDangerousGoods : ECMCertificate "1" -- "*" CoversNonTankWagonsForDangerousGoods : ECMCertificate "1" -- "*" ECMCertificateSuspended : ECMCertificateSuspended --> DateECMCertificateSuspended </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	EINNumber ECMCertificateValidFrom ECMCertificateValidTo CoversTankWagonsForDangerousGoods CoversNonTankWagonsForDangerousGoods ECMCertificateSuspended DateECMCertificateSuspended
annotation	documentation

ECM certificate information	
source	<pre> <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 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 base="xs:integer"> <xs:maxInclusive value="0"/> <xs:restriction> <xs:simpleType> <xs:element> </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> </pre>

	<pre> </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> </pre>
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element RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber

diagram	<pre> classDiagram class 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. } class CountryCodeISO { Identifies a County or State by code (ISO 3166-1) } class TypeDocumentEIN { Code List Candidate: 31, 34 } class CounterAcreditedRecognizedBody class EINYear class EINCounter EINNumber --> CountryCodeISO EINNumber --> TypeDocumentEIN EINNumber --> CounterAcreditedRecognizedBody EINNumber --> EINYear EINNumber --> EINCounter </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	CountryCodeISO TypeDocumentEIN CounterAcreditedRecognizedBody EINYear EINCounter
annotation	<p>documentation</p> <p>ECM certificate reference number</p> <p>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 name="TypeDocumentEIN" type="Numeric2-2"> <xs:annotation> <xs:documentation>Code List Candidate: 31, 34</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre> </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> </pre>
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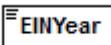
element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/TypeDocumentEIN**

diagram	TypeDocumentEIN Code List Candidate: 31, 34									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	documentation Code List Candidate: 31, 34									
source	<pre> <xs:element name="TypeDocumentEIN" type="Numeric2-2"> <xs:annotation> <xs:documentation>Code List Candidate: 31, </xs:annotation> </xs:element> </pre>									

element
RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/CounterAcreditedRecognized Body

diagram	CounterAcreditedRecognizedBo...									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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									
source	<pre><xs:element name="CounterAcreditedRecognizedBody" type="Numeric2-2"/></pre>									

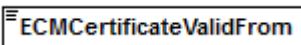
element RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/EINYear

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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									
source	<xs:element name="EINYear" type="Numeric2-2"/>									

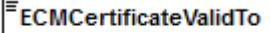
element RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/EINCounter

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>0</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>9999</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	9999	
Kind	Value	Annotation								
minInclusive	0									
maxInclusive	9999									
source	<pre> <xs:element name="EINCounter" type="xs:integer"> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element RollingStockDataset/AdministrativeDataSet/ECMCertificate/ECMCertificateValidFrom

diagram	 <small>Certificate valid from date</small>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	 ECMCertificateValidTo <small>Certificate valid to date</small>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	 CoversTankWagonsForDangero... <small>Certificate covers tank wagons for dangerous goods</small>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:boolean
properties	content simple
annotation	documentation Certificate covers tank wagons for dangerous goods
source	<pre><xs:element name="CoversTankWagonsForDangerousGoods" type="xs:boolean"> <xs:annotation> <xs:documentation>Certificate covers tank wagons for dangerous goods</xs:documentation> </xs:annotation> </xs:element></pre>

element

RollingStockDataset/AdministrativeDataSet/ECMCertificate/CoversNonTankWagonsForDangerousGoods

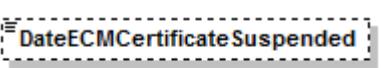
diagram	 CoversNonTankWagonsForDang... <small>Certificate covers other wagons specialised in transport of dangerous goods</small>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:boolean
properties	content simple
annotation	documentation Certificate covers other wagons specialised in transport 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>

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

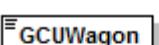
element RollingStockDataset/AdministrativeDataSet/ECMCertificate/ECMCertificateSuspended

diagram	 ECMCertificateSuspended Identification if certificate has been suspended for any reason
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:boolean
properties	content simple
annotation	documentation Identification if certificate has been suspended for any reason
source	<code><xs:element name="ECMCertificateSuspended" type="xs:boolean"></code> <code> <xs:annotation></code> <code> <xs:documentation>Identification if certificate has been suspended for</code> any <code> </xs:annotation></code> <code> </xs:element></code>

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/2.4
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	<code><xs:element name="DateECMCertificateSuspended" type="xs:date" minOccurs="0"></code> <code> <xs:annotation></code> <code> <xs:documentation>Date of the suspension of the ECM certificate; must be</code> provided in case of suspension <code> </xs:annotation></code> <code> </xs:element></code>

element RollingStockDataset/AdministrativeDataSet/GCUWagon

diagram	 GCUWagon Indication if wagon is operated under the GCU contract
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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/2.4
properties	content complex

children	<u>LetterMarking</u> <u>TankCode</u> <u>WagonNumberOfAxles</u> <u>WheelSetType</u> <u>WheelDiameter</u> <u>WheelsetGauge</u> <u>WheelSetTransformationMethod</u> <u>NumberOfBogies</u> <u>BogiePitch</u> <u>BogiePivotPitch</u> <u>InnerWheelbase</u> <u>CouplingType</u> <u>BufferType</u> <u>NormalLoadingGauge</u> <u>MinCurveRadius</u> <u>MinVerticalRadiusYardHump</u> <u>WagonWeightEmpty</u> <u>LengthOverBuffers</u> <u>MaxAxeWeight</u> <u>LoadTable</u> <u>MaxDesignSpeed</u> <u>AirBrake</u> <u>HandBrake</u> <u>DerailmentDetectionDevice</u> <u>BrakeBlock</u> <u>MaxLengthOfLoad</u> <u>LoadArea</u> <u>HeightOfLoadingPlaneUnladen</u> <u>RemovableAccessories</u> <u>LoadingCapacity</u> <u>MaxGrossWeight</u> <u>VapourReturnSystem</u> <u>FerryPermittedFlag</u> <u>FerryRampAngle</u> <u>TemperatureRange</u> <u>TechnicalForwardingRestrictions</u> <u>DateLastOverhaul</u> <u>DateNextOverhaul</u> <u>PermittedTolerance</u> <u>PlannedDateNextOverhaul</u> <u>DateOfNextTankInspection</u>
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 depends on the manufacturer.</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 ref="BogiePitch" minOccurs="0" /> <xs:element name="BogiePivotPitch" type="Numeric1-5" minOccurs="0" /> <xs:annotation> </pre>
type	
wagons	

	<pre> <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 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 base="xs:string"> <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="MaxAxleWeight"/> <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> </pre>
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	<pre> </xs:annotation> <xs:complexType> <xss: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 the panel</xs:documentation> </xs:annotation> </xs:element> <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"> <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 speed 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> <xss:sequence> <xs:element ref="RouteClass"/> <xs:element name="MaxPayload" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Maximum payload in tons of line </pre>
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	<p>category; number of entries must fit to number of entries in SpeedCategory</xs:documentation></p> <pre> </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: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" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>Characteristics of brake blocks</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="BrakeBlockName" type="xs:string" 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" value="256"/> </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> </xs:sequence> </xs:complexType> </xs:element> </pre>
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        </xs:complexType>
    </xs:element>
    <xs:element ref="MaxLengthOfLoad" minOccurs="0">
        <xs:annotation>
            <xs:documentation> Maximum length of the load measured in mm
        </xs:documentation>
    </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
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>

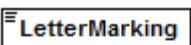
```

```

<xs:element name="NumberOfAccessoryOfSpecType" type="Numeric2-2">
  <xs:annotation>
    <xs:documentation>Number of specified accessory equipped on wagon</xs:documentation>
  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 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 degrees):</xs:documentation>
  </xs:annotation>
</xs:element>
<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>
      <xs:element ref="MaxTemp"/>
      <xs:element ref="MinTemp"/>
    </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
```

	<p>thechnical parameters are allowed to be used here. Only the code numbers should be in the annotation</p> <pre></xs:documentation> </xs:annotation> </xs:element> <xs:element name="DateLastOverhaul" type="xs:date"> <xs:annotation> <xs:documentation>Date of the last overhaul, if yet no overhaul of putting into service</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DateNextOverhaul"/> <xs:element ref="PermittedTolerance"/> <xs:element ref="PlannedDateNextOverhaul"/> <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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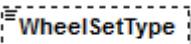
element RollingStockDataset/DesignDataSet/LetterMarking

diagram	 <p>Complete wagon category letter code. The Identification marking for freight rolling stock (wagon type) is defined in UIC Leaflet 438-2</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 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 base="xs:string"> <xs:maxLength value="20"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

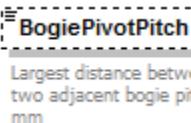
element RollingStockDataset/DesignDataSet/TankCode

diagram	
	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
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 20
annotation	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
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 value="20"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element RollingStockDataset/DesignDataSet/WheelSetType

diagram	
	Type name of the wheel sets, and the name of the type depends on the manufacturer.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Type name of the wheel sets, and the name of the type depends on the manufacturer.
source	<pre> <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 value="256"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element RollingStockDataset/DesignDataSet/BogiePivotPitch

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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							
	<p>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)</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
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> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>maxLength</td> <td>256</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	maxLength	256	
Kind	Value	Annotation					
maxLength	256						
annotation	<p>documentation</p> <p>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)</p>						
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>256</xs:maxLength> </xs:restriction> </xs:simpleType> </xs:element> </pre>						

element RollingStockDataset/DesignDataSet/LoadTable

diagram	<pre> classDiagram class LoadTableProduct class LoadTableCountry class SpeedCategory class LoadTableStars class RouteClassPayloads LoadTable "0..∞" -- "LoadTableProduct" LoadTable "0..∞" -- "LoadTableCountry" LoadTable "1..∞" -- "SpeedCategory" LoadTable "1..∞" -- "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/2.4
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. </xs:documentation> </xs:annotation> </pre>

	<p>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></p> <pre> </xs:annotation> <xss:complexType> <xss:sequence> <xss:element name="LoadTableProduct" minOccurs="0"> <xss:annotation> <xss:documentation>Product description, only applies for product-specific load tables</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element name="ProductUNCode" type="Numeric4-4"> <xss:annotation> <xss:documentation>UN code of product if product specific load table</xss:documentation> </xss:annotation> </xss:element> <xss:element name="ProductRIDName"> <xss:annotation> <xss:documentation> RID product name as written on the folding panel</xss:documentation> </xss:annotation> <xss:simpleType> <xss:restriction> <xss:maxLength base="xs:string" value="256"/> </xss:restriction> </xss:simpleType> </xss:element> </xss:sequence> </xss:complexType> </xss:element> <xss:element name="LoadTableCountry" type="CountryIdentISO" maxOccurs="unbounded" minOccurs="0"> <xss:annotation> <xss:documentation>ISO country code of countries for additional load tables</xss:documentation> </xss:annotation> </xss:element> <xss:element name="SpeedCategory" type="Numeric1-5" maxOccurs="unbounded"> <xss:annotation> <xss:documentation>Numeric speed in load table, without speed empty in km/h</xss:documentation> </xss:annotation> </xss:element> <xss:element ref="LoadTableStars" minOccurs="0"> <xss:annotation> <xss: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 </pre>
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	<p>an automatic load-proportional braking system.</p> <pre> </xs:documentation> </xs:annotation> </xs:element> <xs:element name="RouteClassPayloads" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element <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> <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> </xs:element> </xs:documentation> </pre>
--	---

element RollingStockDataset/DesignDataSet/LoadTable/LoadTableProduct

diagram	<pre> classDiagram class LoadTableProduct class ProductUNCode class ProductRIDName LoadTableProduct --> ProductUNCode : "UN code of product if product specific load table" LoadTableProduct --> ProductRIDName : "RID product name as written on the folding panel" </pre> <p>Product description, only applies for product-specific load tables</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	<pre> minOcc 0 maxOcc 1 content complex </pre>
children	ProductUNCode ProductRIDName
annotation	<p>documentation</p> <p>Product description, only applies for product-specific load tables</p>
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:sequence> </xs:complexType> </xs:element> </pre>

	<pre> </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 base="xs:string"> <xs:maxLength value="256"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
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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/2.4									
type	Numeric4-4									
properties	content simple									
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	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/2.4						
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>maxLength</td> <td>256</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	maxLength	256	
Kind	Value	Annotation					
maxLength	256						
annotation	documentation RID product name as written on the folding panel						
source	<pre> <xs:element name="ProductRIDName"> </pre>						

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

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

diagram	
namespace	http://www.era.europa.eu/schemas/TAFTSI/2.4
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**

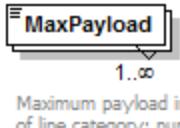
diagram	
namespace	http://www.era.europa.eu/schemas/TAFTSI/2.4
type	Numeric1-5
properties	minOcc 1 maxOcc unbounded content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Numeric speed in load table, without speed empty in km/h

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	<pre> classDiagram class RouteClassPayloads { *--> RouteClass *--> MaxPayload } class RouteClass class MaxPayload RouteClassPayloads --> RouteClass : 1..∞ RouteClassPayloads --> MaxPayload : 1..∞ </pre> <p>The diagram illustrates the structure of the RouteClassPayloads element. It is represented as a sequence of two objects: RouteClass and MaxPayload. There are two associations from RouteClassPayloads to each object, both labeled with multiplicity 1..∞.</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
properties	<table border="1"> <tr> <td>minOcc</td><td>1</td></tr> <tr> <td>maxOcc</td><td>unbounded</td></tr> <tr> <td>content</td><td>complex</td></tr> </table>	minOcc	1	maxOcc	unbounded	content	complex
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 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></pre>						

element RollingStockDataset/DesignDataSet/LoadTable/RouteClassPayloads/MaxPayload

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:totalDigits value="4"/> <xs:fractionDigits value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element RollingStockDataset/DesignDataSet/DerailmentDetectionDevice

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	DerailmentDetectionDevice
properties	minOcc 0 maxOcc 1 content simple
facets	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	<p>The diagram illustrates the structure of the BrakeBlock element. It consists of a central BrakeBlock object connected to three other objects via associations:</p> <ul style="list-style-type: none"> BrakeBlockName: Name of the brake block type, including the length in mm. CompositeBrakeBlockRetrofitted: Indication if composite brake blocks are retrofitted or originally equipped. CompositeBrakeBlockInstallationDate: Date of composite brake block installation, for originally equipped wagon = date put into service.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 1 content complex
children	BrakeBlockName CompositeBrakeBlockRetrofitted CompositeBrakeBlockInstallationDate
annotation	<p>documentation</p> <p>Characteristics of brake blocks</p>
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> </xs:annotation> <xs:simpleType> <xs:restriction> <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 installation, for originally equipped wagon = date put into service</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
in	

element RollingStockDataset/DesignDataSet/BrakeBlock/BrakeBlockName

diagram	
	Name of the brake block type, including the length in mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 value="256"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element RollingStockDataset/DesignDataSet/BrakeBlock/CompositeBrakeBlockRetrofitted

diagram	
	Indication if composite brake blocks are retrofitted or originally equipped
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	 CompositeBrakeBlockInstallatio...
	Date of composite brake block installation, for originally equipped wagon = date put into service
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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/HeightOfLoadingPlaneUnladen

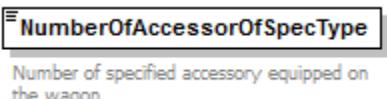
diagram	 HeightOfLoadingPlaneUnladen
	Height of the loading plane when wagon is empty measured in mm
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	Numeric1-5
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation 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 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>NumberOfAccessorOfSpecType</p> <p>Number of specified accessory equipped on the wagon</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc unbounded content complex
children	TypeOfRemovableAccessories NumberOfAccessorOfSpecType
source	<pre><xss:element name="RemovableAccessories" minOccurs="0" maxOccurs="unbounded"> <xss:complexType> <xss:sequence> <xss:element ref="TypeOfRemovableAccessories"> <xss:annotation> <xss: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</pre>

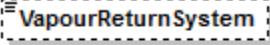
	<pre> 05 = Removable intermediate upright for securing the load 06 = Stanchion chain 07 = Removable handle and wheel for winch on car-carrying wagon 08 = Swivelling bolster (with stanchions) 09 = Coupling rod (rigid coupling) 10 = Ice bunker 11 = Ice bunker screen 12 = Ice bunker frame 13 = Trestle or 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 </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										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	Numeric2-2									
properties	content simple									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minInclusive</td> <td>01</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>99</td> <td></td> </tr> </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></pre>									

	<pre><xs:documentation>Number of specified accessory equipped on the wagon</xs:documentation> </xs:annotation> </xs:element></pre>
--	--

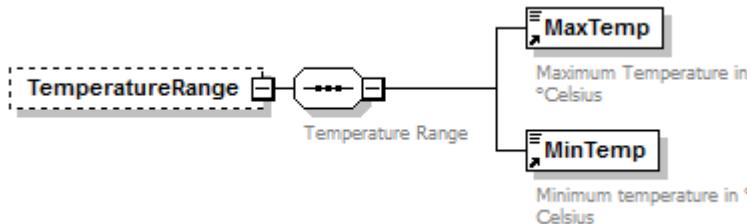
element RollingStockDataset/DesignDataSet/VapourReturnSystem

diagram	 <p>Indication if tank wagon is equipped with a vapour return system</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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"> <xs:annotation> <xs:documentation>Indication if tank wagon is equipped with a vapour return </xs:annotation> </xs:element></pre>

element RollingStockDataset/DesignDataSet/FerryRampAngle

diagram	 <p>Maximum allowed angle of the ferry ramp (in grades: °)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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"> <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></pre>

element RollingStockDataset/DesignDataSet/TemperatureRange

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 1 content complex
children	MaxTemp MinTemp
source	<pre><xs:element name="TemperatureRange" minOccurs="0"> <xs:complexType> <xs:sequence> <xs:annotation> <xs:documentation>Temperature Range</xs:documentation> </xs:annotation> <xs:element name="MaxTemp" ref="MaxTemp"/> <xs:element name="MinTemp" ref="MinTemp"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element RollingStockDataset/DesignDataSet/DateLastOverhaul

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:date
properties	content simple
annotation	documentation Date of the last overhaul, if yet no overhaul date of putting into service
source	<pre><xs:element name="DateLastOverhaul" type="xs:date"> <xs:annotation> <xs:documentation>Date of the last overhaul, if yet no overhaul date of putting into service</xs:documentation> </xs:annotation> </xs:element></pre>

element RollingStockDataset/DesignDataSet/DateOfNextTankInspection

diagram	
	Date of the next tank inspection, applies only for tank wagons

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<pre> classDiagram class RollingStockDatasetMessage { <<Rolling Stock administrative and Technical Dataset>> } class MessageHeader { <<Used for all messages>> } class RollingStockDataset { <<Rolling Stock administrative and Technical Dataset>> } class RefusedWagonNumbers { <<0..>> } RollingStockDatasetMessage "0..1" -- "0..>" MessageHeader RollingStockDatasetMessage "0..>" -- "0..>" RollingStockDataset RollingStockDatasetMessage "0..>" -- "0..>" RefusedWagonNumbers </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	MessageHeader RollingStockDataset RefusedWagonNumbers
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:complexType> <xs:sequence> <xs:element ref="MessageHeader" minOccurs="0"/> <xs:element ref="RollingStockDataset" maxOccurs="unbounded"/> <xs:element ref="RefusedWagonNumbers" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element ref="WagonNumberFreight" /> <xs:element ref="RefusalCode" /> <xs:element ref="KeeperShortNameVKM" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	</xs:element>
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element RollingStockDatasetMessage/RefusedWagonNumbers

diagram							
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
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	WagonNumberFreight RefusalCode KeeperShortNameVKM						
source	<pre> <xs:element name="RefusedWagonNumbers" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element ref="WagonNumberFreight"/> <xs:element ref="RefusalCode"/> <xs:element ref="KeeperShortNameVKM" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>						

element RollingStockDatasetQueryMessage

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element> </pre>

	<pre> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:element ref="WagonNumberFreight" ref="MessageHeader"/> maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element RouteInformation

diagram	<p>The route of the journey for a wagon / shipment or Intermodal unit assigned by the LRU</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>The route of the journey for a wagon / shipment or Intermodal unit assigned by the LRU</p>									
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	<p>Sequential information about the complete routing of the consignment, the LeadRu decides whether to provide this information or not</p> <p>1..30</p> <p>Route sequence</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	RouteSection
used by	element ConsignmentOrderMessage/COMS/COM
annotation	<p>documentation</p> <p>Sequential information about the complete routing of the consignment, the LeadRu decides whether to provide this information or not</p>
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:element> </pre>

	<pre> <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" code="International"> <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> <xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element **Routing/RouteSection**

diagram	<pre> sequenceDiagram participant RS as RouteSection participant S as SequenceID participant RC as RouteCode participant RT as RouteText RS->>S: RS-->>RC: RS-->>RT: </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element name="RouteCode" type="International RouteCode"> <xs:annotation> <xs:documentation>Route code (International RouteCode)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <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> <xs:minLength value="1"/> <xs:maxLength value="80"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

```

        </xs:restriction>
        </xs:simpleType>
        </xs:element>
        </xs:sequence>
        </xs:sequence>
        </xs:complexType>
</xs:element>
```

element Routing/RouteSection/SequenceID

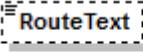
diagram	 SequenceID Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:int
properties	content simple
annotation	documentation Position of the route section in transport 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

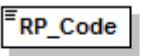
diagram	 RouteCode Route code (International RouteCode)									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:string									
properties	content simple									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>length</td> <td>5</td> <td></td> </tr> <tr> <td>pattern</td> <td>\d*[1-9]\d*0</td> <td></td> </tr> </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 RouteCode)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length <xs:pattern</pre> <p style="text-align: right;">code (International</p> <pre> base="xs:string"> value="5"/> value="\d*[1-9]\d*0"/></pre>									

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

element Routing/RouteSection/RouteText

diagram	 <p>Description of the specific route section</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:annotation> </xs:annotation> </xs:element></pre>

element RP_Code

diagram	 <p>Routing point code of the production station of the acceptance or delivery point.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element></pre>

	<pre> <xssimpleType> <xsrrestriction> <xslength> </xsrrestriction> </xssimpleType> </xselement> </pre>	base="xs:string" value="5"/>
--	--	--

element RU_Partner

diagram	 Railway Undertaking										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4										
type	CompanyCode										
properties	content simple										
used by	elements ConsignmentOrderMessage/COMS/COM/CustomsProcedures SpecialTreatments										
facets	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Kind</th> <th style="text-align: left; width: 15%;">Value</th> <th style="text-align: left;">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	documentation Railway Undertaking										
source	<pre> <xselement name="RU_Partner" type="CompanyCode"> <xssannotation> <xsddocumentation>Railway </xsddocumentation> </xssannotation> </xselement> </pre>										

element ScheduledDateTimeAtTransfer

diagram	 <p>The scheduled arrival at destination date and time or the scheduled outgoing transfer date and time at the border between two different IMs.</p>	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4	
type	xs:dateTime	
properties	content simple	
used by	element OperationalTrainNumberIdentifier	
annotation	documentation The scheduled arrival at destination date and time or the scheduled outgoing transfer date and time at the border between two different IMs.	
source	<pre> <xselement name="ScheduledDateTimeAtTransfer" type="xs:dateTime"> <xssannotation> <xsddocumentation>The scheduled arrival at destination date and time or the scheduled outgoing transfer date and time at the border between two different </xsddocumentation> </xssannotation> </xselement> </pre>	

element **ScheduledTimeAtHandover**

diagram	 ScheduledTimeAtHandover
	The scheduled departure date and time or the scheduled handover date and time at the border between two different IMs.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
used by	element OperationalTrainNumberIdentifier
annotation	documentation The scheduled departure date and time or the scheduled handover date and time at the border between two different IMs.
source	<pre><xs:element name="ScheduledTimeAtHandover" type="xs:dateTime"> <xs:annotation> <xs:documentation>The scheduled departure date and time or the scheduled handover date and time at the border between two different IMs.</xs:documentation> </xs:annotation> </xs:element></pre>

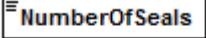
element **ScheduledTimeAtLocation**

diagram	 ScheduledTimeAtLocation
	Scheduled Date and Time at a location related to the status of the train or wagon at the given location
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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>

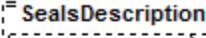
element Seals

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 "0..10" --> NumberOfSeals Seals "0..10" --> > SealsDescription </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	NumberOfSeals SealsDescription
used by	elements ITU Details Wagons/WagonDetails
annotation	<p>documentation</p> <p>Describes the seals used for the consignment</p>
source	<pre> <xss:element name="Seals"> <xss:annotation> <xss:documentation>Describes the seals used for the consignment</xss:documentation> </xss: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	 NumberOfSeals Number of the seals attached by the original consignor.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:int
properties	content simple
facets	Kind Value Annotation minInclusive 0 totalDigits 2
annotation	documentation Number of the seals attached by the original consignor.
source	<pre> <xs:element name="NumberOfSeals"> <xs:annotation> <xs:documentation>Number of the seals attached by the original consignor.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="0"/> <xs:totalDigits value="2"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element **Seals/SealsDescription**

diagram	 SealsDescription 0..10 Additional information of the original consignor regarding the attached seals.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 10 content simple
facets	Kind Value Annotation minLength 1 maxLength 10
annotation	documentation Additional information of the original consignor regarding the attached seals.
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 base="xs:string"> <xs:maxLength value="10"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

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

element Sender

diagram	<p>The sender of the message</p> <p>CI_InstanceNumber Number of a Common Interface Instance for the same Company</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
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>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												
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</p> <p>The sender of the message</p>												
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 base="CompanyCode"> <xs:attribute ref="CI_InstanceNumber"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </pre>												

element SenderReference

diagram	<p>reference used by the sender (e.g. FTP file name)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	FreeText
properties	content simple
used by	element MessageHeader
facets	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

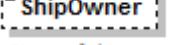
diagram	<p>The diagram illustrates the structure of the 'Ship' element. It consists of a central node labeled 'Ship' connected to a dashed rectangular box. Inside this box are three components: 'VesselIndication' (with a plus sign icon), 'HarbourName', and 'ShipOwner'. 'VesselIndication' is described as identifying the extent to which a transportation unit is used. 'HarbourName' is defined as the name of the harbour where transport will be handed over to a ship. 'ShipOwner' is the name of the ship owner.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	VesselIndication HarbourName ShipOwner
used by	elements ITU Details Wagons/WagonDetails
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: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:sequence> </xs:complexType> </xs:element> </pre>	<pre> base="xs:string"> value="1"/> value="35"/> </pre>
--	--	--

element Ship/HarbourName

diagram	 <p>Name of harbour, where the transport will be handed over to a ship.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>35</td> <td></td> </tr> </tbody> </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 <xs:maxLength </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element Ship/ShipOwner

diagram	 <p>Name of ship owner.</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
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> </tbody> </table>	Kind	Value	Annotation	minLength	1	
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	<pre> classDiagram class SpecialTreatments { <<Special treatment>> } class RU_Partner { <<Railway Undertaking dedicated to fulfill the special treatment>> } class SpecialTreatmentCode { <<Special Treatment code>> } class SpecialTreatmentInformation { <<Additional Text for codes with free text>> } class Location { <<Identifies a Location using a LocationIdent>> } SpecialTreatments <--> RU_Partner SpecialTreatments <--> SpecialTreatmentCode SpecialTreatments <--> SpecialTreatmentInformation SpecialTreatments <--> Location </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 special 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> <xs:minLength value="1"/> <xs:maxLength value="35"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

	<pre> <xs:restriction <xs:length </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 <xs:minLength <xs:maxLength </xs:restriction> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Location" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element **SpecialTreatments/SpecialTreatmentCode**

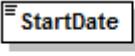
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	content simple
facets	Kind Value Annotation length 2
annotation	documentation Special Treatment code
source	<pre> <xs:element <xs:annotation> <xs:documentation>Special Treatment code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:length <xs:value </xs:restriction> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element **SpecialTreatments/SpecialTreatmentInformation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 value="1"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element StartDate

diagram	 StartDate The start of the date/time in effect
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:date
properties	content simple
used by	complexTypes CompositIdentifierOperationalType CompositIdentifierPlannedType ValidityPeriod
annotation	documentation The start of the date/time in effect
source	<pre><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></pre>

element StartDateTime

diagram	 StartDateTime The start of the date/time in effect
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
used by	elements RequestedPeriod RequestedTimeframe ValidityPeriod
annotation	documentation The start of the date/time in effect
source	<pre><xs:element name="StartDateTime" type="xs:dateTime"></pre>

	<pre><xs:annotation> <xs:documentation>The start of the date/time in effect</xs:documentation> </xs:annotation> </xs:element></pre>
--	---

element StartLocation

diagram	<pre> classDiagram class StartLocation { * .. 1 } class LocationIdent { * .. 1 } class CountryCodeISO { * .. 1 } class LocationPrimaryCode { * .. 1 } class PrimaryLocationName { * .. 1 } class LocationSubsidiaryIdentification { * .. 1 } StartLocation "*" --> "1" LocationIdent LocationIdent "*" --> "1" CountryCodeISO LocationIdent "*" --> "1" LocationPrimaryCode LocationIdent "*" --> "1" PrimaryLocationName LocationIdent "*" --> "1" LocationSubsidiaryIdentification </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
annotation	documentation Starting point of section or segment
source	<pre><xs:element name="StartLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>Starting point of section or segment</xs:documentation> </xs:annotation> </xs:element></pre>

element Station

diagram	<pre> classDiagram class Station { <<Details of station serving the point>> } class LocationIdent { <<LocationIdent (extension)>> } class CountryCodeISO { <<Identifies a County or State by code (ISO 3166-1)>> } class LocationPrimaryCode 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/2.4
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> graph LR SOGSWSR[SummaryOfGoodsWithSameRID] --- UNNumber[UN_Number] SOGSWSR --- PackingGroup[PackingGroup] SOGSWSR --- DGWeight[DangerousGoodsWeight] SOGSWSR --- DGVolume[DangerousGoodsVolume] </pre> <p>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</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	UN_Number PackingGroup DangerousGoodsWeight DangerousGoodsVolume
used by	elements ITU RollingRoadUnit Wagons
annotation	<p>documentation</p> <p>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</p>
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:sequence> </xs:complexType> </xs:element> </pre>

	<pre><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>
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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 Passenger Traffic are also in the 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.</p> <p>F =</p> <p>Freight P = Passenger T = Technical D = Damage L = Load</p> <table border="0"> <thead> <tr> <th>Code</th><th>F or P</th><th>Description</th></tr> </thead> <tbody> <tr> <td>07</td><td>F</td><td>T Shunt only when hand brake operable with ground staff</td></tr> <tr> <td>11</td><td>F</td><td>D L X 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 X X Do not fly shunt or gravity shunt (3 red triangles)</td></tr> <tr> <td>18</td><td>F</td><td>X X Must not use active braking equipment</td></tr> <tr> <td>25</td><td>F</td><td>X Gas carrying tank wagon with orange side stripe</td></tr> <tr> <td>41</td><td>F</td><td>X Place this wagon at the front of the train</td></tr> <tr> <td>42</td><td>F</td><td>X X X Place this wagon at the rear of the train</td></tr> <tr> <td>63</td><td>F (+P)</td><td>X Special consignment or (for Passenger trains) loading/cinematic gauge larger than the planned one</td></tr> <tr> <td>70</td><td>F</td><td>X X Shunt with care (1 red triangle)</td></tr> <tr> <td>71</td><td>F</td><td>X X X Shunt with special care (2 red triangle)</td></tr> <tr> <td>94</td><td>F</td><td>X X X Gas carrying wagon without orange side stripe</td></tr> </tbody> </table>	Code	F or P	Description	07	F	T Shunt only when hand brake operable with ground staff	11	F	D L X 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 X X Do not fly shunt or gravity shunt (3 red triangles)	18	F	X X Must not use active braking equipment	25	F	X Gas carrying tank wagon with orange side stripe	41	F	X Place this wagon at the front of the train	42	F	X X X Place this wagon at the rear of the train	63	F (+P)	X Special consignment or (for Passenger trains) loading/cinematic gauge larger than the planned one	70	F	X X Shunt with care (1 red triangle)	71	F	X X X Shunt with special care (2 red triangle)	94	F	X X X Gas carrying wagon without orange side stripe
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namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																																													
type	RestrictionCodes																																													

properties	content	simple
used by	element	RollingStockDataset/DesignDataSet
facets	Kind enumeration	Value Annotation 07
	enumeration	08
	enumeration	09
	enumeration	11
	enumeration	12
	enumeration	13
	enumeration	14
	enumeration	15
	enumeration	18
	enumeration	25
	enumeration	30
	enumeration	31
	enumeration	32
	enumeration	33
	enumeration	34
	enumeration	35
	enumeration	36
	enumeration	37
	enumeration	38
	enumeration	39
	enumeration	41
	enumeration	42
	enumeration	50
	enumeration	52
	enumeration	62
	enumeration	63
	enumeration	68
	enumeration	70
	enumeration	71
	enumeration	90
	enumeration	91
	enumeration	92
	enumeration	94
	enumeration	99
annotation	documentation This element is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load- 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. P = Passenger T = Technical D = Damage L = Load Code F or P Description	F = Freight Passenger Technical Damage Load T D L

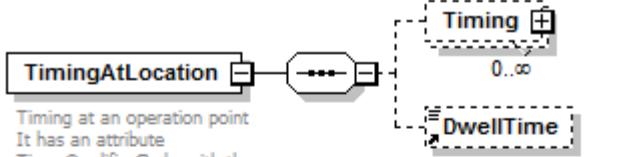
	07	F	Shunt only when hand brake operable with ground staff		x	x
	11	F	Wagon other than bogie wagon with wheelbase of more than 9 metres	x		x
	12	F	Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres	x		
	13	F	Bogie wagon with distance between 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	x F	Must not use active braking equipment		x	x
	25	x F	Gas carrying tank wagon with orange side stripe		x	
	41	F	Place this wagon at the front of the train			
	42	x F	Place this wagon at the rear of the train	x x		
	63 one	x 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 x		
	94	x F	Gas carrying wagon without orange side stripe	x		
source	<pre><xss:element name="TechnicalForwardingRestrictions" type="RestrictionCodes"> <xss:annotation> <xss: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 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 P = Passenger T = Technical D = Damage L = Load </xss:documentation> </xss:annotation> </xss:element></pre>					

		Code F or P	Description	T	D	L
	07	F	Shunt only when hand brake operable with ground staff			
	11	F	Wagon other than bogie wagon with wheelbase of more than 9 metres	x	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	x
	18	F	Must not use active braking equipment	x	x	x
	25	F	Gas carrying tank wagon with orange side stripe	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	x	x
	63	F (+P)	Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned one	x	x	x
	70	F	Shunt with care (1 red triangle)			
	71	F	Shunt with special care (2 red triangle)	x	x	x
	94	F	Gas carrying wagon without orange side stripe	x	x	x
				x		
				</xs:documentation>		
				</xs:annotation>		
				</xs:element>		

element TimetableYear

diagram	 <p>Refers to the timetable period in which the business will be carried out</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	<p>documentation</p> <p>Refers to the timetable period in which the business will be carried out</p>									
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 base="xs:integer"> <xs:minInclusive value="2012"/> <xs:maxInclusive value="2097"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

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/2.4
properties	content complex

children	<u>Timing DwellTime</u>																												
used by	element <u>PlannedJourneyLocation</u>																												
annotation	<p>documentation</p> <p>Timing at an operation point</p> <p>It has an attribute TimerQualifierCode with the following values:</p> <table> <tbody> <tr> <td>PLA =</td> <td>Public</td> <td>Location</td> <td>Arrival</td> </tr> <tr> <td>ELA =</td> <td>Earliest</td> <td>Location</td> <td>Arrival</td> </tr> <tr> <td>ALA =</td> <td>Actual</td> <td>Location</td> <td>Arival</td> </tr> <tr> <td>LLA =</td> <td>Latest</td> <td>Location</td> <td>Arrival</td> </tr> <tr> <td>PLD =</td> <td>Public</td> <td>Location</td> <td>Departure</td> </tr> <tr> <td>ELD =</td> <td>Earliest</td> <td>Location</td> <td>Departure</td> </tr> <tr> <td>ALD =</td> <td>Actual</td> <td>Location</td> <td>Departure</td> </tr> </tbody> </table> <p>LLD = Latest Location Departure</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
PLA =	Public	Location	Arrival																										
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LLA =	Latest	Location	Arrival																										
PLD =	Public	Location	Departure																										
ELD =	Earliest	Location	Departure																										
ALD =	Actual	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: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 ref="DwellTime" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>																												

element TimingAtLocation/Timing

diagram													
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
properties	minOcc 0 maxOcc unbounded content complex												
children	Time Offset BookedLocationDateTime												
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>TimingQualifierCode</td> <td>derived by: <code>xs:token</code></td> <td></td> <td></td> <td></td> <td>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</td> </tr> </tbody> </table>	Name	Type	Use	Default	Fixed	Annotation documentation	TimingQualifierCode	derived by: <code>xs:token</code>				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
Name	Type	Use	Default	Fixed	Annotation documentation								
TimingQualifierCode	derived by: <code>xs:token</code>				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								
source	<pre><xs:element name="Timing" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:sequence></pre>												

	<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> <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>
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element **TimingAtLocation/Timing/Time**

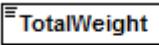
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	extension of xs:time
properties	content complex
annotation	documentation hh:mm:ss
source	<pre> <xs:element name="Time"> <xs:annotation> <xs:documentation>hh:mm:ss</xs:documentation> </xs:annotation> <xs:complexType> <xs:simpleContent> <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/2.4
type	WeightValueKilo

properties	content simple
used by	element WagonOperationalData
facets	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"> <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/2.4
type	WeightValueKilo
properties	content simple
used by	elements Wagons/WagonDetails WagonInformation
facets	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	<pre> classDiagram class LocoTypeNumber class TractionMode class TrainCC_System class TractionDetails class TrainRadioSystem LocoTypeNumber < -- TractionMode LocoTypeNumber < -- TrainCC_System TractionDetails --> TractionMode TractionDetails --> TrainCC_System TractionDetails --> TrainRadioSystem </pre> <p>LocoTypeNumber</p> <p>TractionMode</p> <p>Identifies the mode of deployment of a traction unit within a train</p> <p>TrainCC_System</p> <p>Type of Train Control System. The following types are used:</p> <ul style="list-style-type: none"> CCS TSI Class A: ETCS Level 0 ETCS Level NSC ETCS Level 1 ETCS Level 2 ETCS Level 3 ERA/TD/2011-11, Class B: PZB LZB Crocodile TBL 1 TBL 2 TVM 430TBL1+ EBICAB 700 LS ZUB 123 ALSN ATP-VR/RHK KVB TVM 300 TVM 430 KVBP KCVP KCVB NEXTEO DAAT EVM CAWS ATP BACC RSDD/SCMT SSC MEMOR II+ SHP PKP ASFA EBICAB 900 SEL CAB SIGNUM ZUB ATB 1st Gen ATB Next Gen GW ATP RETB TPWS <p>UIC Leaflet 407-1 Codes (legacy) are covered in the ERA/TD/2011-11:</p> <table border="0"> <tr><td>91</td><td>ETCS L1</td></tr> <tr><td>92</td><td>ETCS L2</td></tr> <tr><td>51</td><td>PZB</td></tr> <tr><td>3</td><td>LZB</td></tr> <tr><td>22</td><td>KVB</td></tr> <tr><td>52</td><td>EVM</td></tr> <tr><td>11</td><td>ZUB</td></tr> <tr><td>31</td><td>ATB</td></tr> <tr><td>32</td><td>ATBNG</td></tr> </table> <p>TrainRadioSystem</p> <p>The on board radio system of the train in coded format</p> <p>TractionWeight</p> <p>Check with group to see if it is for sum or individual - check TAP</p> <p>Length</p> <p>Length in millimetres - Used for TAP</p>	91	ETCS L1	92	ETCS L2	51	PZB	3	LZB	22	KVB	52	EVM	11	ZUB	31	ATB	32	ATBNG
91	ETCS L1																		
92	ETCS L2																		
51	PZB																		
3	LZB																		
22	KVB																		
52	EVM																		
11	ZUB																		
31	ATB																		
32	ATBNG																		
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																		
properties	content complex																		

children	LocoTypeNumber TractionMode TrainCC_System TrainRadioSystem 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="TractionMode"/> <xs:element ref="TrainCC_System" minOccurs="0"/> <xs:element ref="TrainRadioSystem" minOccurs="0"/> <xs:element ref="TractionWeight" minOccurs="0"/> <xs:annotation> <xs:documentation>Identifies the mode of deployment of a traction unit within a train</xs:documentation> </xs:annotation> <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>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/2.4									
type	restriction of xs:integer									
properties	content simple									
used by	element TrainCompositionJourneySection/Locoldent									
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	documentation Identifies position of intermediate traction unit(s) in the train indicating after which wagon (specified by order number)									

	the unit is placed.
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 base="xs:integer"> <xs:minInclusive value="01"/> <xs:maxInclusive value="99"/> </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/2.4									
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	documentation The weight of the traction unit									
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 Merits)						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
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> <tbody> <tr> <td>minLength</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1	
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	<pre> classDiagram class TrainActivityType { <<TrainActivityType>> Indicates certain treatments and operations for the train. If national codes are used, they must still be the ISO country code. Activities: 0001 Commercial stop RU Board/leave/bark Boarding/leaving Single train 0002 Operational stop 0003 Stop needed by another train 0004 Stop RU/Unit: Stops which are part of another activity (e.g. boarding of 0004 System stop RU/Unit allowing the RU to connect to the signalling system, safety 0005 Reversing stop RU/Unit: Stop of the train unit to run in the opposite direction of the movement of engine 0006 Stop for reversing move or driver change ends RU/Unit: Stop of the train unit to run in the opposite direction of the movement of engine at the other end of the train (if signalled by driver) 0007 Stop for locomotive to run round train RU/Unit: Stop of the train unit to run in the opposite direction of the movement of the same engine at the other end of the train 0008 Technical check/inspections services engineers RU/DM e.g. at origin or intermediate stops break test, checking load 0009 Change of engine RU/Unit continuation on a new engine or change of gauge with change of bogies (e.g. S16-F12) 0010 Change of engine/unit RU Unit not previously in service 0011 detach engine/unit RU/Unit: Detach and service change engine RU/Unit attach coach/wagons RU coach/wagons RU coach/wagon RU coach/wagons -> attach coach/wagons -> RU coach/wagons Operational Train (in service) Operational Train (in service) 0018 Parking of vehicle RU/Unit: Stop of the transformation into parking for hours 0019 Mail/parcel services RU 0020 Shunting RU shunting 0021 phunting service RU shunting service (if offered by another train) 0022 Terminal service (if offered by another train) final destination) RU Arriving at the end of a train run (if offered by another train) 0023 Loco driver change 0024 Loco driver break RU Break (e.g. to respect working law or to wait for another train) RU Different to loco driver change if the change of crew is not to be avoided 0025 Cleaning facilities RU cleaning facilities reason (not mentioned); RU/DM cleaning 0026 0027 0028 0029 Disembarking only RU Stop on request 0030 Departure equal to arrival time - RU Stop on time only arrival times are published, and the train is required to indicate that the train arrives at the station at the published arrival time in case of delay 0032 Departure after arrival time RU mainly used at the end of the train run, indicating as soon as all passengers have left 0033 No waiting for another train 0034 Watering RU Watering of the train with water access will be needed 0035 Heating Indicates that a train with heating equipment will be needed 0036 Drawing / detaching RU drawing / detachment on plants and live animals 0037 Pudding, milking 0038 Closing ventilation flaps, Opening ventilation flaps 0039 Treatment of animals RU Checking the temperature, health and behaviour of the animals, including the proper functioning of the equipment equipment, Refuelling machinery or off train equipment operations RU 0040 Submission to authority Submission to physiopathology 0041 Run Through Photo run by / Photo-stop 0042 Even Waiting Waiting according to local regulations 0043 Train connection with another train - RU Where trains meet at a junction, a location on the schedule indicates the connection to other trains RU Association where there is a need to define a relationship between a train and a service. The same train can be associated with several services. Also called "train-set" association 0045 Connecting service RU Association where there is a need to define a relationship between a train and a vehicle. The vehicle is issued from the previous train service 0046 National / company codes Examples: National code 00 to 99 may be used by an IR for Network national purposes; also known as company code Stop from new stop opening day Last stop shorter than 100 m Train report stop cancelled 0047 AssociatedAttachedTrainB TrainB of the Associated Train in an operation 0048 AssociatedAttachedTrainA Identified the associated train for operational purposes by the Dispatcher (e.g. services etc.) } </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	TrainActivityType

properties	content complex
children	<u>TrainActivityType</u> <u>AssociatedAttachedTrainID</u> <u>AssociatedAttachedOTN</u>
used by	element <u>PlannedJourneyLocation</u>
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 investments or operations required for a train to be used. If no code is used, the first 2 position will be the ISO country code, followed by a hyphen.</p> <p>0001 Commercial stop RU Board/dismember, passenger train/consignment freight train/consignment</p> <p>0002 Operational stop IM Stops needed by the IM (e.g. overspeed by speed limit)</p> <p>0003 Service stop RU Stop which are used for non-commercial activities (e.g. change of staff)</p> <p>0004 Shunting stop RU/IM Stop allowing the RU to change a system (e.g. speed limit, 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 the train movement with the unit to run in the opposite direction (with using the same engine at the other end of the train)</p> <p>0007 Technical check/inspection</p> <p>0008 Change of engine RU/IM e.g. at origin or intermediate station</p> <p>0009 Driver test, checking load</p> <p>0010 Change gauge</p> <p>0011 Change of gauge on a network with a different gauge, e.g. due to changes or adaptation of the axles (e.g. SVET-3)</p> <p>0012 Change engine/unit RU Unit not previously in service</p> <p>0013 detach enginel-unit</p> <p>0014 attach enginel-unit</p> <p>0015 detach and attach</p> <p>0016 attach train</p> <p>0017 split train</p> <p>0018 Open/Closed Train (in service)</p> <p>0019 Park train</p> <p>0020 The train/park train, the train/park train need to park midway for several hours</p> <p>0021 Transfer of services RU</p> <p>0022 shunting RU actual activity of shunting</p> <p>0023 Coupling service RU</p> <p>0024 Release of shunting service (if offered by the IM or a third party)</p> <p>0025 Terminal service</p> <p>0026 Platform service (final destination), RU</p> <p>0027 Return of train to the end of a train run (if offered by the IM or a third party)</p> <p>0028 Legal reason to change RU</p> <p>0029 Loco driver break legal issue, e.g. to renew the driver's license</p> <p>0030 Crew change</p> <p>0031 Driver change</p> <p>0032 Driver change as for the change of train crew it is planned to be provided</p> <p>0033 Passenger and passenger fare RU</p> <p>0034 Other stop reason (e.g. connection to LUIM)</p> <p>0035 Boarding only RU</p> <p>0036 Disembarking only RU</p> <p>0037 Stop on request RU</p> <p>0038 Departure equals to arrival time RU</p> <p>0039 Stop until arrival time</p> <p>0040 Stop to indicate that the train cannot continue before the publication of the time of an early arrival</p> <p>0041 Stop after disembarking RU</p> <p>0042 Stop after end of train run, train may continue as passengers have disembarked</p> <p>0043 No waiting for connection RU</p> <p>0044 Waiting RU</p> <p>0045 Train access to a track with water access will be needed</p> <p>0046 Heating</p> <p>0047 Heating, where not a track with heating equipment will be needed</p> <p>0048 Cleaning / disinfecting RU</p> <p>0049 Treatment on plants and live animals RU</p> <p>0050 Foddering, Milling, Separation, Ventilation, Fage, Opening ventilation</p> <p>0051 Treatment of perishable goods RU</p> <p>0052 Cleaning, disinfecting, Re-cooling, Heating, Checking the functioning of the mechanical refrigeration equipment, machinery, Switching machinery on or off</p> <p>0053 Technical preventive operations RU</p> <p>0054 Inspection, Self-inspection Submission to phytosanitary inspection</p> <p>0055 Run Through</p> <p>0056 Photo run-by / Photo-stop</p> <p>0057 Train waiting</p> <p>Waiting according to local norm</p> <p>0043 Train running with a locomotive</p> <p>0044 Association where there is a need for a vehicle connecting between a train and its next service. This vehicle is used for the next train service. Also called "train-set service".</p> <p>0045 Connecting service from train to train</p> <p>0046 Association where there is a need for a vehicle connecting between a train and its previous train service. The same vehicle is reused from the previous train service.</p> <p>National / company codes</p> <p>Examples:</p> <p>Numbers 00 to 59 may be defined by an IM for Networks of countries, just adding ISO country code</p> <p>C201 Stop from new and old train</p> <p>UK35 Stop shorter than 10 seconds</p> <p>172 Train report stop cancelled</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string

properties	content simple																																																																																																																																																																																								
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	<p>relationship between a train and its previous service. The same vehicle is reused from the previous train service.</p> <p>National / company codes: Examples: just ISO country code CZ01 adding Stop from new stop opening day UK55 Stop shorter than 1/2 min 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 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 </pre>

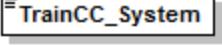
	<p>0028 Boarding only RU</p> <p>0029 Disembarking only RU</p> <p>0030 Stop on request RU</p> <p>0031 Departure equals to arrival time RU If in some stations only arrival times are published, this activity code may used to indicate that the train cannot continue before the published arrival time in case 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 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 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>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> <p></xs:documentation></p> <p></xs:annotation></p> <p><xs:simpleType></p> <p><xs:restriction></p> <p style="margin-left: 20px;"><xs:minLength base="xs:string" value="4"/></p> <p style="margin-left: 20px;"><xs:maxLength value="4"/></p> <p></xs:restriction></p> <p></xs:simpleType></p> <p></xs:element></p>
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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 "1" --> "1" TrainLocationStatus TrainAtLocation "1" --> "1" OperationalTrainNumberIdentifier TrainAtLocation "1" --> "1" ReferenceOTN TrainAtLocation "1" --> "1" TrainOperationalIdentification TrainAtLocation "1" --> "1" BookedLocationDateTime TrainAtLocation "1" --> "1" ReferencedLocationDateTime TrainAtLocation "1" --> "1" LocationDateTime TrainAtLocation "1" --> "1" TrainDelay </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xsd:element name="TrainAtLocation"> <xsd:annotation> <xsd:documentation>Specifies information about a train at a specific location</xsd:documentation> </xsd:annotation> <xsd:complexType> <xsd:sequence> <xsd:element ref="TrainLocationStatus"/> <xsd:element ref="OperationalTrainNumberIdentifier"/> <xsd:element ref="ReferenceOTN" minOccurs="0"/> <xsd:element ref="TrainOperationalIdentification" minOccurs="0"/> <xsd:element ref="BookedLocationDateTime"/> <xsd:element ref="ReferencedLocationDateTime" minOccurs="0"/> <xsd:element ref="LocationDateTime"/> <xsd:element ref="TrainDelay"/> </xsd:sequence> </xsd:complexType> </xsd:element> </pre>

	</xs:element>
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element TrainCC_System

diagram	 <p>Type of Train Control System. The following types are used:</p> <p>CCS TSI Class A:</p> <ul style="list-style-type: none"> ETCS Level 0 ETCS Level NSC ETCS Level 1 ETCS Level 2 ETCS Level 3 <p>ERA/TD/2011-11, Class B:</p> <ul style="list-style-type: none"> PZB LZB Crocodile TBL 1 TBL 2 TVM 430TBL1+ EBICAB 700 LS ZUB 123 ALSN ATP-VR/RHK KVB TVM 300 TVM 430 KVBP KCVP KCVB NEXTEO DAAT EVM CAWS ATP BACC RSDD/SCMT SSC MEMOR II+ SHP PKP ASFA EBICAB 900 SELCAB SIGNUM ZUB ATB 1st Gen ATB Next Gen GW ATP RETB TPWS <p>UIC Leaflet 407-1 Codes (legacy) are covered in the ERA/TD/2011-11:</p> <table> <tbody> <tr><td>91</td><td>ETCS L1</td></tr> <tr><td>92</td><td>ETCS L2</td></tr> <tr><td>51</td><td>PZB</td></tr> <tr><td>3</td><td>LZB</td></tr> <tr><td>22</td><td>KVB</td></tr> <tr><td>52</td><td>EVM</td></tr> <tr><td>11</td><td>ZUB</td></tr> <tr><td>31</td><td>ATB</td></tr> <tr><td>32</td><td>ATBNG</td></tr> </tbody> </table>	91	ETCS L1	92	ETCS L2	51	PZB	3	LZB	22	KVB	52	EVM	11	ZUB	31	ATB	32	ATBNG
91	ETCS L1																		
92	ETCS L2																		
51	PZB																		
3	LZB																		
22	KVB																		
52	EVM																		
11	ZUB																		
31	ATB																		
32	ATBNG																		
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																		
type	xs:token																		

ETCS	Level	0
ETCS	Level	NSC
ETCS	Level	1
ETCS	Level	2
ETCS	Level	3
ERA/TD/2011-11,	Class	B:
PZB		
LZB		
Crocodile		
TBL		1
TBL		2
TVM		430TBL1+
EBICAB		700
LS		
ZUB		123
ALSN		
ATP-VR/RHK		
KVB		
TVM		300
TVM		430
KVBP		
KCVP		
KCVB		
NEXTEO		
DAAT		
EVM		
CAWS		
ATP		
BACC		
RSDD/SCMT		
SSC		
MEMOR		II+
SHP		
PKP		
ASFA		
EBICAB		900
SELCAB		
SIGNUM		
ZUB		
ATB	1st	
ATB	Next	
GW		
RETB		
TPWS		
UIC Leaflet 407-1 Codes (legacy) are covered in the ERA/TD/2011-11:		
91 ETCS		L1
92 ETCS		L2
51 PZB		
3 LZB		
22 KVB		
52 EVM		
11 ZUB		
31 ATB		

	32 ATBNG </xs:documentation> </xs:annotation> </xs:element>
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element TrainCompositionJourneySection

diagram	<pre> classDiagram class TrainCompositionJourneySection { <<Defines the make up of a train for each section of its journey>> } class JourneySection { <<Defines the data provided by the IM for a journey section>> } class TrainRunningData { <<Train relevant data for a running train>> } class LocoIdent { <<Defines the actual Type, the number and the mode of deployment of a traction unit of the freight train>> } class LivestockOrPeopleIndicator { <<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.'>> } class WagonData { <<Wagon relevant data for the wagons within a running train>> } TrainCompositionJourneySection "0..infinity" -- "1..infinity" JourneySection : <<Defines the data provided by the IM for a journey section>> TrainCompositionJourneySection "0..infinity" -- "1..infinity" TrainRunningData : <<Train relevant data for a running train>> TrainCompositionJourneySection "0..infinity" -- "0..infinity" LocoIdent : <<Defines the actual Type, the number and the mode of deployment of a traction unit of the freight train>> TrainCompositionJourneySection "0..infinity" -- "0..infinity" LivestockOrPeopleIndicator : <<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.'>> TrainCompositionJourneySection "0..infinity" -- "0..infinity" WagonData : <<Wagon relevant data for the wagons within a running train>> </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	JourneySection TrainRunningData LocoIdent 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:complexType> <xs:sequence> <xs:element ref="JourneySection"/> <xs:element ref="TrainRunningData"/> <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:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre>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" minOccurs="0" /> <xs:element ref="LocoNumber" minOccurs="0" /> <xs:element ref="TractionMode" minOccurs="0" /> <xs:element name="DriverIndication" minOccurs="0" /> <xs:annotation> <xs:documentation>0 - no driver present in Loco, 1 - driver(s) /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> <xs:element ref="TractionPositionInTrain" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element> <xs:element ref="LivestockOrPeopleIndicator" /> <xs:element ref="WagonData" minOccurs="0" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </xs:element></pre>
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element TrainCompositionJourneySection/Locoident

diagram	<p>TractionType</p> <p>Identifies the type of a locomotive: First digit: "0" = not specified "1" = external electric power supply (overhead catenary and pantograph, third rail or other such as maglev) "2" = internal traction power supply for traction without external electric or other power supply available "3" = traction unit (both on-board or electric traction available) Second digit (definitions in chapter 2.2.2 of the LOC and PAS TSI 130/2014): "0" = not specified "1" = locomotive or power unit "2" = trainset or multiple unit or electric train "3" = shunter "4" = on track machine or infrastructure inspection vehicle</p> <p>LocoTypeNumber</p> <p>Identifies the number of the locomotive, usually the European Vehicle Number on EVCN. Is currently not restricted only to numeric values.</p> <p>LocoNumber</p> <p>Identifies the number of the locomotive, usually the European Vehicle Number on EVCN. Is currently not restricted only to numeric values.</p> <p>TractionMode</p> <p>Identifies the mode of deployment of a traction unit: 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 Train traction, middle 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 61 Train Traction in a push-pull train 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 traction 2nd traction unit in the group 42 Banking locomotive 2nd traction unit in the group 52 No Leading Engine 2nd traction unit in the group 62 Train Traction in a push-pull train 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 63 Train Traction in a push-pull train 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 64 Train Traction in a push-pull train 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 65 Train Traction in a push-pull train 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 66 Train Traction in a push-pull train 6th traction unit in the group</p> <p>DriverIndication</p> <p>0 - no driver present in Loco, 1 - driver(s) is/are present in locomotive</p> <p>TractionPositionInTrain</p> <p>Identifies position of intermediate traction unit in train, indicating after which wagon (specified by order number) the unit is placed.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0

	maxOcc unbounded content complex
children	TractionType LocoTypeNumber LocoNumber TractionMode DriverIndication TractionPositionInTrain
annotation	documentation Defines the actual Type, the number and the mode of deployment of a traction unit of the freight train
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" minOccurs="0" /> <xs:element ref="LocoNumber" minOccurs="0" /> <xs:element ref="TractionMode" minOccurs="0" /> <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> <xs:element ref="TractionPositionInTrain" minOccurs="0" /> </xs:sequence> </xs:complexType> </xs:element></pre>

element TrainCompositionJourneySection/Locoident/DriverIndication

diagram	 DriverIndication 0 - no driver present in Loco, 1 - driver(s) is /are present in Loco
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:integer
properties	minOcc 0 maxOcc 1 content simple
facets	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></pre>

	<pre> <xs:restriction <xs:enumeration <xs:enumeration </xs:enumeration> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>	base = <i>"xs:integer"</i> value = <i>"0"</i> / value = <i>"1"</i> /
--	--	---

element TrainCompositionMessage

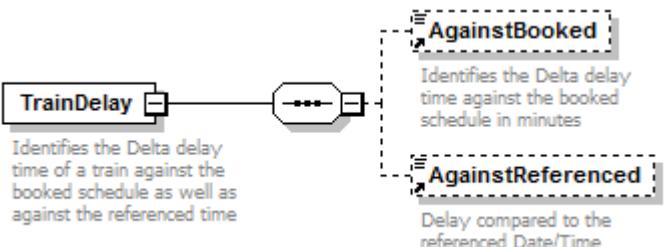
diagram	<p>This message is sent from an RU to an IM defining the composition of the proposed train.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	MessageHeader MessageStatus TransportOperationalIdentifiers OperationalTrainNumberIdentifier ReferenceOTN TransferPoint TransfereeIM TrainCompositionJourneySection
annotation	<p>documentation</p> <p>This message is sent from an RU to an IM defining the composition of the proposed train.</p>
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"/> </pre>

	<pre> <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/2.4									
type	CommunicationRefID									
properties	content simple									
used by	element TrainReadyMessage									
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>70</td> <td></td> </tr> </tbody> </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>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	AgainstBooked AgainstReferenced
used by	elements TrainAtLocation TrainLocationReport TrainReadyMessage/TrainReadyStatus TrainReadyStatus
annotation	<p>documentation</p> <p>Identifies the Delta delay time of a train against the booked schedule as well as against the referenced time</p>

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

diagram	<p>The diagram illustrates the structure of the TrainDelayCauseMessage. It is associated with several other message components:</p> <ul style="list-style-type: none"> MessageHeader: Used for all messages. MessageStatus: Assigned by the Sender (1=creation, 2=modification, 3=deletion). TrainOperationalIdentification: Contains the OperationalTrainNumberIdentifier. ReferenceOTN: Associated with the ResponsibleRU. ResponsibleRU: RU Responsible for the physical operation of the train or wagon. DelayEventReport: Provides detailed information about a single delay event (Replaces DelayReasonReport). TransferPoint: Transfer point or station of destination in the considered network. TransfereeIM: Next IM. <p>TrainDelayCauseMessage is described as follows:</p> <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>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	MessageHeader MessageStatus TrainOperationalIdentification OperationalTrainNumberIdentifier

	ReferenceOTN ResponsibleRU DelayEventReport TransferPoint TransfereeIM
annotation	<p>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</p>
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="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/2.4
properties	content complex
children	MessageHeader MessageStatus Location TrainAtLocation
annotation	<p>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.</p>
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:element> </pre>

	<pre> <xs:complexType> <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 TrainID class Object { <<Provides a possibility for differentiation between the objects: Train, Path, Case Reference and Path Request>> } 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>> } TrainID "1" -- "2" Object TrainID "1" -- "2" Company TrainID "1" -- "2" Core TrainID "1" -- "2" Variant TrainID "1" -- "2" TimetableYear TrainID "1" -- "2" StartDate </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CompositIdentifierOperationalType
properties	content complex
children	ObjectType Company Core Variant TimetableYear StartDate
used by	elements ArrivalInterchangeReport DepartureInterchangeReport WagonInterchangeNoticeMessage WagonInterchangeSubNoticeMessage
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" "2..∞" } 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/2.4
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:element> </pre>

	<pre> </xs:annotation> <xs:complexType> <xs:complexContent> <xs:extension base="LocationIdent"/> </xs:complexContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	---

element TrainInformation/PathPlanningReferenceLocation

diagram	<pre> classDiagram 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.>> } class LocationIdent { <<Identifies a County or State by code (ISO 3166-1)>> } class CountryCodeISO { <<Identifies a County or State by code (ISO 3166-1)>> } class LocationPrimaryCode { <<Location Name in an officiation language of the Country using the ISO Unicode alphabet>> } 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>> } PathPlanningReferenceLocation < -- LocationIdent PathPlanningReferenceLocation --> CountryCodeISO PathPlanningReferenceLocation --> LocationPrimaryCode PathPlanningReferenceLocation --> PrimaryLocationName PathPlanningReferenceLocation --> LocationSubsidiaryIdentification </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element> </pre>

element TrainJourneyModification

diagram	<p>This element shows which locations are changed during the running of a train</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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/2.4									
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:restriction> </xs:simpleType> </xs:element></pre>									

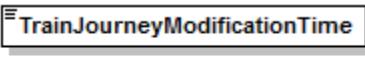
	<pre> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>
--	---

element TrainJourneyModificationMessage

diagram	<p>The diagram illustrates the structure of the TrainJourneyModificationMessage element. It consists of the following components:</p> <ul style="list-style-type: none"> MessageHeader: Used for all messages. MessageStatus: Assigned by the Sender (1=Creation, 2=Modification, 3=deletion). TrainOperationalIdentification: A reference to the OperationalTrainNumberIdentifier. OperationalTrainNumberIdentifier: A reference to the ReferenceOTN. ReferenceOTN: A reference to the TrainJourneyModification. TrainJourneyModification: This element shows which locations are changed during the running of a train. It has a multiplicity of 1..∞. ModificationReason: Identifies the reason for the train journey being modified. TrainJourneyModificationTime: Indicates the time when the modification was made to the train journey. Remarks: Free Form Text, with a multiplicity of 0..∞. TransferPoint: Transfer point or station of destination in the considered network where the Reference Train Numbers refers to. InternalReferenceIdentifier: The link to the IM System Reference. TransfereeIM: Next IM. <p>A note below the TrainJourneyModificationMessage class states: "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/2.4
properties	content complex
children	MessageHeader MessageStatus TrainOperationalIdentification OperationalTrainNumberIdentifier ReferenceOTN TrainJourneyModification ModificationReason TrainJourneyModificationTime Remarks

	TransferPoint InternalReferenceIdentifier TransfereeIM
annotation	<p>documentation This message is issued to show, in real time, that the train is rerouted-cancelled-stopping pattern is changed</p>
source	<pre> <xs:element name="TrainJourneyModificationMessage"> <xs:annotation> <xs:documentation> This message is issued to show, in real time, that the train is rerouted-cancelled-stopping pattern is changed</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <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="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>

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/2.4
type	xs:dateTime
properties	content simple
used by	element TrainJourneyModificationMessage
annotation	<p>documentation Indicates the time time when the modification was made to the train journey</p>
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> </pre>

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

element TrainJourneyStartTime

diagram	 TrainJourneyStartTime The precise time at which the train should present itself on the network
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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>

element TrainLength

diagram	 TrainLength The calculated Length of a train (sum of all length over buffer of the wagons and traction units). Expressed in Metres									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	documentation The calculated Length of a train (sum of all length over buffer of the wagons and traction units). Expressed in Metres									
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	<pre> classDiagram class TrainLocationReport { <<Specifies the relevant running data of a train related to a specific location>> } class Location { <<Identifies a Location using a LocationIdent>> } class LocationDateTime { <<Identifies the actual or forecasted Date / Time at a specific reporting point>> } 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 ReferencedLocationDateTime { <<Reference to original planned Date and Time agreed by all involved IMs and RUs.>> } class TrainDelay { <<Identifies the Delta delay time of a train against the booked schedule as well as against the referenced time>> } TrainLocationReport < -- Location TrainLocationReport < -- LocationDateTime TrainLocationReport < -- TrainLocationStatus TrainLocationReport < -- BookedLocationDateTime TrainLocationReport < -- ReferencedLocationDateTime TrainLocationReport < -- TrainDelay </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	Location LocationDateTime TrainLocationStatus BookedLocationDateTime ReferencedLocationDateTime TrainDelay
used by	elements TrainRunningForecastMessage TrainRunningInformationMessage
annotation	documentation Specifies the relevant running data of a train related to a specific location
source	<pre> <xss:element name="TrainLocationReport"> <xss:annotation> <xss:documentation>Specifies the relevant running data of a train related to a specific location</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="Location"/> <xss:element ref="LocationDateTime"/> <xss:element ref="TrainLocationStatus"/> <xss:element ref="BookedLocationDateTime" minOccurs="0"> <xss:annotation> <xss:documentation>Scheduled Date and Time of a train at a specified location as defined in the path contract</xss:documentation> </xss:annotation> </xss:element> <xss:element ref="ReferencedLocationDateTime" minOccurs="0"/> <xss:element ref="TrainDelay" minOccurs="0"/> </xss:sequence> </xss:complexType> </xss:element> </pre>

	</xs:element>
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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/2.4																																																															
type	RunningStatus																																																															
properties	content simple																																																															
used by	elements ChangeofTrackMessage DelayEventReport LocationModified TrainAtLocation TrainLocationReport																																																															
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>05</td><td></td></tr> <tr><td>enumeration</td><td>06</td><td></td></tr> <tr><td>enumeration</td><td>07</td><td></td></tr> <tr><td>enumeration</td><td>08</td><td></td></tr> <tr><td>enumeration</td><td>09</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>15</td><td></td></tr> <tr><td>enumeration</td><td>16</td><td></td></tr> <tr><td>enumeration</td><td>17</td><td></td></tr> <tr><td>enumeration</td><td>18</td><td></td></tr> <tr><td>enumeration</td><td>19</td><td></td></tr> </tbody> </table>	Kind	Value	Annotation	enumeration	00		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	
Kind	Value	Annotation																																																														
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enumeration	19																																																															
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/2.4

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	<div style="border: 1px solid black; padding: 2px; display: inline-block;"> TrainNotAtInterruptionPoint </div> <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/2.4
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 base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="1"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element TrainOperationalIdentification

diagram	<pre> classDiagram class TrainOperationalIdentification { <<1..∞>> <<0..∞>> } class TransportOperationalIdentifiers { <<1..∞>> } class RelatedTransportOperationalIdentifiers { <<0..∞>> } TrainOperationalIdentification "1..∞" -- "0..∞" TransportOperationalIdentifiers TrainOperationalIdentification "1..∞" -- "0..∞" RelatedTransportOperationalIdentifiers annotation on TransportOperationalIdentifiers: according to the new identifier structure, ObjectType has to be used to differ between train and path id annotation on RelatedTransportOperationalIdentifiers: according to the new identifier structure, ObjectType has to be used to differ between train and path id </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> graph LR TrainReadyMessage[TrainReadyMessage] --- MessageHeader[MessageHeader] TrainReadyMessage --- MessageStatus[MessageStatus] TrainReadyMessage --- TransportOperationalIdentifiers[TransportOperationalIdentifiers] TrainReadyMessage --- OperationalTrainNumberIdentifier[OperationalTrainNumberIdentifier] TrainReadyMessage --- ReferenceOTN[ReferenceOTN] TrainReadyMessage --- ResponsibleRU[ResponsibleRU] TrainReadyMessage --- TrainContactDetails[TrainContactDetails] TrainReadyMessage --- TrainLocation[TrainLocation] TrainReadyMessage --- TrainReadyStatus[TrainReadyStatus] TrainReadyMessage --- TransferPoint[TransferPoint] TrainReadyMessage --- TransfereeIM[TransfereeIM] TrainReadyMessage --- TrainStartTime[TrainStartTime] TrainReadyMessage --- TrainReadyTime[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/2.4
properties	content complex

children	<u>MessageHeader</u> <u>MessageStatus</u> <u>TransportOperationalIdentifiers</u> <u>OperationalTrainNumberIdentifier</u> <u>ReferenceOTN</u> <u>ResponsibleRU</u> <u>TrainContactDetails</u> <u>TrainLocation</u> <u>TrainReadyStatus</u> <u>TransferPoint</u> <u>TransfereeIM</u> <u>TrainStartTime</u> <u>TrainReadyTime</u>
annotation	documentation This message is sent from an RU to an IM indicating that the train is ready for access to the network.
source	<pre> <xs:element name="TrainReadyMessage"> <xs:annotation> <xs:documentation>This message is sent from an RU to an IM indicating that the train is ready for access to the network.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"/> <xs:element ref="TransportOperationalIdentifiers" minOccurs="0" maxOccurs="unbounded"> <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 subsidiary 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</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>

	<p>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> <pre style="color: red;"></xs:documentation></pre> <pre style="color: blue;"></xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>
--	--

element TrainReadyMessage/TrainLocation

diagram							
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
type	LocationIdent						
properties	<table border="1"> <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	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification						
annotation	<p>documentation</p> <p>Handover, Interchange, Handling and Reporting point: if needed, track could be identify directly via subsidiary code</p>						
source	<pre style="color: red;"><code><xs:element name="TrainLocation" type="LocationIdent" minOccurs="0"></code></pre> <pre style="color: blue;"><code> <xs:annotation></code></pre> <pre style="color: red;"><code> <xs:documentation>Handover, Interchange, Handling and Reporting point: if</code></pre> <pre style="color: red;"><code>needed, track could be identify directly via subsidiary code</code></pre> <pre style="color: blue;"><code> </xs:documentation></code></pre> <pre style="color: blue;"><code> </xs:annotation></code></pre> <pre style="color: red;"><code></xs:element></code></pre>						

element TrainReadyMessage/TrainReadyStatus

diagram	<p>The diagram illustrates the structure of the <code>TrainReadyStatus</code> element. It is a composite element containing two parts: <code>TrainReady</code> and <code>TrainDelay</code>. <code>TrainReady</code> is a simple type with a documentation string: "0=Not Ready 1=Ready". <code>TrainDelay</code> is another composite element with a documentation string: "Identifies the Delta delay time of a train against the booked schedule as well as against the referenced time". <code>TrainDelay</code> contains a part named <code>DelayCause</code>, which is also a composite element with a documentation string: "This element identifies the reason for a delay (modified DelayReason)".</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 1 content complex
children	TrainReady TrainDelay DelayCause
source	<pre> <xss:element name="TrainReadyStatus" minOccurs="0"> <xss:complexType> <xss:sequence> <xss:element name="TrainReady"> <xss:annotation> <xss:documentation>0=Not Ready 1=Ready</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="TrainDelay" minOccurs="0"/> <xss:element ref="DelayCause" minOccurs="0"/> </xss:sequence> </xss:complexType> </xss:element> </pre>

element TrainReadyMessage/TrainReadyStatus/TrainReady

diagram	<p>The diagram shows the <code>TrainReady</code> element as a simple type. It has two enumeration values: 0 and 1. The documentation string associated with this type is "0=Not Ready 1=Ready".</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	<code><xss:element name="TrainReady"></code>									

	<pre> <xs:annotation> <xs:documentation>0=Not Ready 1=Ready</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration> <xs:enumeration>0</xs:enumeration> <xs:enumeration>1</xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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element TrainReadyMessage/TrainReadyTime

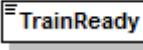
diagram	<p>It indicates date/time when the train will be ready for departure. IM contract will define if this element can be used. Only to be used if this time is in future (sent in advance). Purpose of this element is to short the train stay.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	<code>xs:dateTime</code>
properties	minOcc 0 maxOcc 1 content simple
annotation	<p>documentation</p> <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>
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 short the train stay.</xs:documentation> </xs:annotation> </xs:element> </pre>

element TrainReadyStatus

diagram	<p>0=Not Ready 1=Ready</p> <p>Identifies the Delta delay time of a train against the booked schedule as well as against the referenced time</p> <p>This element identifies the reason for a delay (modified DelayReason)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

properties	content complex
children	TrainReady TrainDelay DelayCause
source	<pre> <xs:element <xs:complexType> <xs:sequence> <xs:element <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:element> <xs:element ref="TrainDelay" ref="DelayCause" </xs:sequence> </xs:complexType> </xs:element> </pre>

element TrainReadyStatus/TrainReady

diagram	 0=Not Ready 1=Ready									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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 <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:element> </pre>									

element TrainRunningData

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	TrainRunningTechData ExceptionalGaugingInd DangerousGoodsIndicator Activities
used by	element TrainCompositionJourneySection
annotation	documentation Train relevant data for a running train
source	<pre> <xss:element name="TrainRunningData"> <xss:annotation> <xss:documentation>Train relevant data for a running train</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="TrainRunningTechData"/> <xss:element ref="ExceptionalGaugingInd" minOccurs="0"/> <xss:element ref="DangerousGoodsIndicator" minOccurs="0"/> <xss:element name="Activities" minOccurs="0" maxOccurs="99"> <xss:complexType> <xss:sequence> <xss:element name="TrainActivityType" type="TrainActivityType"/> <xss:element name="ActivityLocationIdent" type="LocationIdent"/> </xss:sequence> </xss:complexType> </xss:element> </xss:sequence> </xss:complexType> </xss:element></pre>

element TrainRunningData/Activities

diagram	
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namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 99 content complex
children	<u>TrainActivityType ActivityLocationIdent</u>
source	<pre><xs:element name="Activities" minOccurs="0" maxOccurs="99"> <xs:complexType> <xs:sequence> <xs:element name="TrainActivityType" type="TrainActivityType"/> <xs:element name="ActivityLocationIdent" type="LocationIdent"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element TrainRunningData/Activities/TrainActivityType

diagram	``` classDiagram class TrainActivityType { <<TrainActivityType>> indicates certain treatments and operations of a train. If national codes are used, the country will be the ISO country code (ISO 3166-1 alpha-2) 0001 Commercial stop RU Board/dismount passenger train Freight train 0002 Operational stop IM Stop needed by the IM (overseeing another train) 0003 Stop RU/IM Stop which are set by the driver (e.g. boarding of staff) 0004 System stop RU/IM allowing the RU to change direction or signalling system, safety/ emergency 0005 Reversing stop RU/IM Stop of a double train unit to run in the opposite direction (change of engine) 0006 Stop for reversing unit or driver change ends RU/IM Stop of a double train unit to run in the opposite direction (change of engine at the other end of the train) 0007 Stop for locomotive to run round train RU/IM Stop of a double train unit to run in the opposite direction (change of engine at the other end of the train) 0008 Technical check/inspections commercial RU/IM e.g. at origin or intermediate call points brake test 0009 Change gauge RU/IM construction on a different gauge or change of bogies or wheel sets (P.E. SIVE+PZ) 0010 Detach engine/unit RU Unit not previously in service 0011 detach engine/unit RU/IM 0012 Charge engine RU 0013 attach coast/wagon RU coast/wagon RU coast/wagon and attach coast/wagon RU Operational Train in service 0014 Operational Train Operational Train (in service) 0015 Parking of vehicle RU the train/consist minutes and hours 0016 Mail/post services RU 0017 shunting RU engine shunting 0021 shunting service RU 0018 shunting service (if offered by the shunting service) 0022 Terminal service (service provided at final destination) RU the train/consist the end of a train run if offered by the terminal service 0023 Loco drive charge RU 0024 Loco driver break RU 0025 Request working time - 4-8 hours 0026 Departure RU departure of the change of the crew a departure of the head 0027 Customer and passenger fact sheet RU passenger fact sheet reason 0028 Disembarking RU 0029 Disembarking only RU 0030 Stop on request RU 0031 Departure equals to arrival time RU 0032 Departure RU departure of the arrival time is published, the departure is expected to indicate that the train arrives at the station by the published arrival time in case of a late arrival 0033 Departure after departure of the RU mainly used at the end of working time as soon as all passengers have been disembarked 0034 Waiting for water RU waiting for water access RU the train will be ready with water access will be needed 0035 Heating RU Indicates the EM that a track with heating will be needed 0036 Cleaning RU cleaning 0037 Treatment on planes and live animals RU feeding 0038 Feeding RU Feeding 0039 Cleaning RU Cleaning 0040 Ventilation RU opening ventilation 0041 Treatment of passengers RU treatment 0042 Submission to physiotherapy RU treatment 0043 Check RU checking 0044 Checking RU checking 0045 Check RU checking 0046 Check RU checking 0047 Check RU checking 0048 Check RU checking 0049 Check RU checking 0050 Check RU checking 0051 Check RU checking 0052 Check RU checking 0053 Check RU checking 0054 Check RU checking 0055 Check RU checking 0056 Check RU checking 0057 Check RU checking 0058 Check RU checking 0059 Check RU checking 0060 Check RU checking 0061 Check RU checking 0062 Check RU checking 0063 Check RU checking 0064 Check RU checking 0065 Check RU checking 0066 Check RU checking 0067 Check RU checking 0068 Check RU checking 0069 Check RU checking 0070 Check RU checking 0071 Check RU checking 0072 Check RU checking 0073 Check RU checking 0074 Check RU checking 0075 Check RU checking 0076 Check RU checking 0077 Check RU checking 0078 Check RU checking 0079 Check RU checking 0080 Check RU checking 0081 Check RU checking 0082 Check RU checking 0083 Check RU checking 0084 Check RU checking 0085 Check RU checking 0086 Check RU checking 0087 Check RU checking 0088 Check RU checking 0089 Check RU checking 0090 Check RU checking 0091 Check RU checking 0092 Check RU checking 0093 Check RU checking 0094 Check RU checking 0095 Check RU checking 0096 Check RU checking 0097 Check RU checking 0098 Check RU checking 0099 Check RU checking 0100 Check RU checking 0101 Check RU checking 0102 Check RU checking 0103 Check RU checking 0104 Check RU checking 0105 Check RU checking 0106 Check RU checking 0107 Check RU checking 0108 Check RU checking 0109 Check RU checking 0110 Check RU checking 0111 Check RU checking 0112 Check RU checking 0113 Check RU checking 0114 Check RU checking 0115 Check RU checking 0116 Check RU checking 0117 Check RU checking 0118 Check RU checking 0119 Check RU checking 0120 Check RU checking 0121 Check RU checking 0122 Check RU checking 0123 Check RU checking 0124 Check RU checking 0125 Check RU checking 0126 Check RU checking 0127 Check RU checking 0128 Check RU checking 0129 Check RU checking 0130 Check RU checking 0131 Check RU checking 0132 Check RU checking 0133 Check RU checking 0134 Check RU checking 0135 Check RU checking 0136 Check RU checking 0137 Check RU checking 0138 Check RU checking 0139 Check RU checking 0140 Check RU checking 0141 Check RU checking 0142 Check RU checking 0143 Check RU checking 0144 Check RU checking 0145 Check RU checking 0146 Check RU checking 0147 Check RU checking 0148 Check RU checking 0149 Check RU checking 0150 Check RU checking 0151 Check RU checking 0152 Check RU checking 0153 Check RU checking 0154 Check RU checking 0155 Check RU checking 0156 Check RU checking 0157 Check RU checking 0158 Check RU checking 0159 Check RU checking 0160 Check RU checking 0161 Check RU checking 0162 Check RU checking 0163 Check RU checking 0164 Check RU checking 0165 Check RU checking 0166 Check RU checking 0167 Check RU checking 0168 Check RU checking 0169 Check RU checking 0170 Check RU checking 0171 Check RU checking 0172 Check RU checking 0173 Check RU checking 0174 Check RU checking 0175 Check RU checking 0176 Check RU checking 0177 Check RU checking 0178 Check RU checking 0179 Check RU checking 0180 Check RU checking 0181 Check RU checking 0182 Check RU checking 0183 Check RU checking 0184 Check RU checking 0185 Check RU checking 0186 Check RU checking 0187 Check RU checking 0188 Check RU checking 0189 Check RU checking 0190 Check RU checking 0191 Check RU checking 0192 Check RU checking 0193 Check RU checking 0194 Check RU checking 0195 Check RU checking 0196 Check RU checking 0197 Check RU checking 0198 Check RU checking 0199 Check RU checking 0200 Check RU checking 0201 Check RU checking 0202 Check RU checking 0203 Check RU checking 0204 Check RU checking 0205 Check RU checking 0206 Check RU checking 0207 Check RU checking 0208 Check RU checking 0209 Check RU checking 0210 Check RU checking 0211 Check RU checking 0212 Check RU checking 0213 Check RU checking 0214 Check RU checking 0215 Check RU checking 0216 Check RU checking 0217 Check RU checking 0218 Check RU checking 0219 Check RU checking 0220 Check RU checking 0221 Check RU checking 0222 Check RU checking 0223 Check RU checking 0224 Check RU checking 0225 Check RU checking 0226 Check RU checking 0227 Check 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0271 Check RU checking 0272 Check RU checking 0273 Check RU checking 0274 Check RU checking 0275 Check RU checking 0276 Check RU checking 0277 Check RU checking 0278 Check RU checking 0279 Check RU checking 0280 Check RU checking 0281 Check RU checking 0282 Check RU checking 0283 Check RU checking 0284 Check RU checking 0285 Check RU checking 0286 Check RU checking 0287 Check RU checking 0288 Check RU checking 0289 Check RU checking 0290 Check RU checking 0291 Check RU checking 0292 Check RU checking 0293 Check RU checking 0294 Check RU checking 0295 Check RU checking 0296 Check RU checking 0297 Check RU checking 0298 Check RU checking 0299 Check RU checking 0300 Check RU checking 0301 Check RU checking 0302 Check RU checking 0303 Check RU checking 0304 Check RU checking 0305 Check RU checking 0306 Check RU checking 0307 Check RU checking 0308 Check RU checking 0309 Check RU checking 0310 Check RU checking 0311 Check RU checking 0312 Check RU checking 0313 Check RU checking 0314 Check RU checking 0315 Check RU checking 0316 Check RU checking 0317 Check RU checking 0318 Check RU checking 0319 Check RU checking 0320 Check RU checking 0321 Check RU checking 0322 Check RU checking 0323 Check RU checking 0324 Check RU checking 0325 Check RU checking 0326 Check RU checking 0327 Check RU checking 0328 Check RU checking 0329 Check RU checking 0330 Check RU checking 0331 Check RU checking 0332 Check RU checking 0333 Check RU checking 0334 Check RU checking 0335 Check RU checking 0336 Check RU checking 0337 Check RU checking 0338 Check RU checking 0339 Check RU checking 0340 Check RU checking 0341 Check RU checking 0342 Check RU checking 0343 Check RU checking 0344 Check RU checking 0345 Check RU checking 0346 Check RU checking 0347 Check RU checking 0348 Check RU checking 0349 Check RU checking 0350 Check RU checking 0351 Check RU checking 0352 Check RU checking 0353 Check RU checking 0354 Check RU checking 0355 Check RU checking 0356 Check RU checking 0357 Check RU checking 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RU checking 0489 Check RU checking 0490 Check RU checking 0491 Check RU checking 0492 Check RU checking 0493 Check RU checking 0494 Check RU checking 0495 Check RU checking 0496 Check RU checking 0497 Check RU checking 0498 Check RU checking 0499 Check RU checking 0500 Check RU checking 0501 Check RU checking 0502 Check RU checking 0503 Check RU checking 0504 Check RU checking 0505 Check RU checking 0506 Check RU checking 0507 Check RU checking 0508 Check RU checking 0509 Check RU checking 0510 Check RU checking 0511 Check RU checking 0512 Check RU checking 0513 Check RU checking 0514 Check RU checking 0515 Check RU checking 0516 Check RU checking 0517 Check RU checking 0518 Check RU checking 0519 Check RU checking 0520 Check RU checking 0521 Check RU checking 0522 Check RU checking 0523 Check RU checking 0524 Check RU checking 0525 Check RU checking 0526 Check RU checking 0527 Check RU checking 0528 Check RU checking 0529 Check RU checking 0530 Check RU checking 0531 Check RU checking 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0706 Check RU checking 0707 Check RU checking 0708 Check RU checking 0709 Check RU checking 0710 Check RU checking 0711 Check RU checking 0712 Check RU checking 0713 Check RU checking 0714 Check RU checking 0715 Check RU checking 0716 Check RU checking 0717 Check RU checking 0718 Check RU checking 0719 Check RU checking 0720 Check RU checking 0721 Check RU checking 0722 Check RU checking 0723 Check RU checking 0724 Check RU checking 0725 Check RU checking 0726 Check RU checking 0727 Check RU checking 0728 Check RU checking 0729 Check RU checking 0730 Check RU checking 0731 Check RU checking 0732 Check RU checking 0733 Check RU checking 0734 Check RU checking 0735 Check RU checking 0736 Check RU checking 0737 Check RU checking 0738 Check RU checking 0739 Check RU checking 0740 Check RU checking 0741 Check RU checking 0742 Check RU checking 0743 Check RU checking 0744 Check RU checking 07 ```

properties	content complex
children	TrainActivityType AssociatedAttachedTrainID AssociatedAttachedOTN
used by	complexType TrainActivityType
source	<xs:element name="TrainActivityType" type="TrainActivityType"/>

element **TrainRunningData/Activities/ActivityLocationIdent**

diagram	<pre> classDiagram class ActivityLocationIdent class LocationIdent { CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification } ActivityLocationIdent --o LocationIdent </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	LocationIdent
properties	content complex
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
source	<xs:element name="ActivityLocationIdent" type="LocationIdent"/>

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 class MessageStatus class TrainOperationalIdentification class OperationalTrainNumberIdentifier class ReferenceOTN class ResponsibleRU { <<RU Responsible for the physical operation of the train or wagon>> } class TrainLocationReport class TransferPoint class TransfereeIM { <<Next IM>> } 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/2.4
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> <xss:element name="TrainRunningForecastMessage"> <xss:annotation> <xss: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</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> </xss:sequence> </xss:complexType> </xss:element> </pre>

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

element TrainRunningInformationMessage

diagram	<p>The diagram illustrates the structure of the TrainRunningInformationMessage. It consists of a main message object (TrainRunningInformationMessage) connected to several components via dashed lines. These components are contained within a dashed box labeled 'TrainRunningInformationMessage'. The components include: MessageHeader (Used for all messages), Message Status (Assigned by the Sender, 1=Creation, 2=Modification, 3=deletion), TrainOperationalIdentification, OperationalTrainNumberIdentifier, ReferenceOTN, ResponsibleRU (RU Responsible for the physical operation of the train or wagon), TrainLocationReport (Specifies the relevant running data of a train related to a specific location), TransferPoint (Transfer point or station of destination in the considered network), and TransfereeIM (Next IM). A note below the main message states: '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/2.4
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	<code><xs:element name="TrainRunningInformationMessage"></code>

	<pre><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 <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="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	<pre> classDiagram class TrainRunningInterruptionMessage { <<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.>> } class MessageHeader class MessageStatus class TrainOperationalIdentification class OperationalTrainNumberIdentifier class ReferenceOTN class ResponsibleRU { <<RU Responsible for the physical operation of the train or wagon</>> } class InterruptionPoint class TrainNotAtInterruptionPoint class TransferPoint class TransfereeIM TrainRunningInterruptionMessage < -- MessageHeader TrainRunningInterruptionMessage < -- MessageStatus TrainRunningInterruptionMessage < -- TrainOperationalIdentification TrainRunningInterruptionMessage < -- OperationalTrainNumberIdentifier TrainRunningInterruptionMessage < -- ReferenceOTN TrainRunningInterruptionMessage < -- ResponsibleRU TrainRunningInterruptionMessage --> InterruptionPoint TrainRunningInterruptionMessage --> TrainNotAtInterruptionPoint TrainRunningInterruptionMessage --> TransferPoint TrainRunningInterruptionMessage --> TransfereeIM </pre> <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/2.4
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> <xss:element name="TrainRunningInterruptionMessage"> <xss:annotation> <xss: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. </xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="MessageHeader"/> <xss:element ref="MessageStatus"/> <xss:element ref="TrainOperationalIdentification" minOccurs="0"/> <xss:element ref="OperationalTrainNumberIdentifier"/> </xss:sequence> </xss:complexType> </xss:element> </pre>

	<pre><xs:element ref="ReferenceOTN" minOccurs="0"/> <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> <xs:complexType name="TrainRunningTechData"> <xs:sequence> <xs:element name="TrainType" type="xs:string" /> <xs:element name="TrainWeight" type="xs:string" /> <xs:element name="TrainLength" type="xs:string" /> <xs:element name="TrainCC_System" type="xs:string" /> <xs:element name="TrainRadioSystem" type="xs:string" /> <xs:element name="TrainMaxSpeed" type="xs:string" /> <xs:element name="MaxAxleWeight" type="xs:string" /> <xs:element name="BrakeType" type="xs:string" /> <xs:element name="BrakeWeight" type="xs:string" /> <xs:element name="NumberOfVehicles" type="xs:string" /> <xs:element name="NumberOfAxes" type="xs:string" /> </xs:sequence> </xs:complexType> </pre> <p>Shows the relevant technical data for a running train.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	TrainType TrainWeight TrainLength TrainCC_System TrainRadioSystem TrainMaxSpeed MaxAxleWeight BrakeType BrakeWeight NumberOfVehicles NumberOfAxles
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:complexType> <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

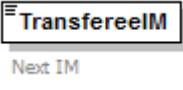
diagram	 TrainStartTime The Date and Time at which the train actually started the journey
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
used by	element TrainReadyMessage
annotation	documentation The Date and Time at which the train actually started the 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	 TrainWeight The sum of all weights of wagons and traction units
---------	---

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	<p>documentation</p> <p>The sum of all weights of wagons and traction units</p>									
source	<pre> <xs:element name="TrainWeight"> <xs:annotation> <xs:documentation>The sum of all weights of wagons and traction units</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="WeightValueTonne"> <xs:maxInclusive value="99999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>									

element TransfereeIM

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	CompanyCode									
properties	content simple									
used by	elements ChangeofTrackMessage TrainCompositionMessage TrainDelayCauseMessage TrainJourneyModificationMessage TrainReadyMessage TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage									
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>minInclusive</td> <td>0001</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>9999</td> <td></td> </tr> </table>	Kind	Value	Annotation	minInclusive	0001		maxInclusive	9999	
Kind	Value	Annotation								
minInclusive	0001									
maxInclusive	9999									
annotation	<p>documentation</p> <p>Next IM</p>									
source	<pre> <xs:element name="TransfereeIM" type="CompanyCode"> <xs:annotation> <xs:documentation>Next </xs:documentation> </xs:annotation> </xs:element></pre>									

element TransferPoint

diagram	<pre> classDiagram class TransferPoint { <<Transfer point or station of destination in the considered network>> } class LocationIdent { <<Identifies a Country or State by code (ISO 3166-1)>> } class CountryCodeISO { <<Identifies a County or State by code (ISO 3166-1)>> } class LocationPrimaryCode { <<Location Name in an officiation language of the Country using the ISO Unicode alphabet>> } 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>> } TransferPoint "1..*" --> "1..*" LocationIdent LocationIdent "*" --> "1..*" CountryCodeISO LocationIdent "*" --> "1..*" LocationPrimaryCode LocationIdent "*" --> "1..*" PrimaryLocationName LocationIdent "*" --> "1..*" LocationSubsidiaryIdentification </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<pre> <xs:element name="TransferPoint" type="LocationIdent"> <xs:annotation> <xs:documentation>Transfer point or station of destination in the considered network</xs:documentation> </xs:annotation> </xs:element> </pre>

element TransportInstruction

diagram	<pre> classDiagram class TransportInstruction { <<Special instructions regarding the transportation of the wagon or shipment in free text>> } class FreeText { <<Special instructions regarding the transportation of the wagon or shipment in free text>> } TransportInstruction "1..*" --> "1..*" FreeText </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<pre> <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> </pre>

	the wagon or shipment in free text</xs:documentation> </xs:annotation> </xs:element>
--	--

element **TransportOperationalIdentifiers**

diagram	<pre> classDiagram class TransportOperationalIdentifiers class CompositIdentifierOperationalType { <<extension>> } class ObjectType class Company class Core class Variant class TimetableYear class StartDate TransportOperationalIdentifiers "1" -- "1" CompositIdentifierOperationalType TransportOperationalIdentifiers "1" -- "1" ObjectType 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/2.4
type	extension of CompositIdentifierOperationalType
properties	content complex
children	ObjectType Company Core Variant TimetableYear StartDate
used by	elements ErrorMessage TrainCompositionMessage TrainOperationalIdentification TrainReadyMessage
source	<pre> <xs:element name="TransportOperationalIdentifiers"> <xs:complexType> <xs:complexContent> <xs:extension base="CompositIdentifierOperationalType"/> </xs:complexContent> </xs:complexType> </xs:element> </pre>

element TypeOfIMHarmonization

diagram	 Enumeration of Type of IM harmonization: Full, Part
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	TypeOfIMHarmonizationCode
properties	content simple
used by	elements PathDetailsMessage PathRequestMessage
facets	Kind Value Annotation enumeration Full enumeration Part
annotation	documentation Enumeration of Type of IM harmonization: Full, Part
source	<pre><xs:element name="TypeOfIMHarmonization" type="TypeOfIMHarmonizationCode"> <xs:annotation> <xs:documentation>Enumeration of Type of IM harmonization: Full, Part </xs:documentation> </xs:annotation> </xs:element></pre>

element TypeOfInformation

diagram	 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
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	TypeOfInformationCode
properties	content simple
used by	elements PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage ReceiptConfirmationMessage
facets	Kind Value Annotation minInclusive 0 maxInclusive 99 enumeration 1 documentation enumeration 2 harmonisation - in process enumeration 3 documentation enumeration 4 harmonisation - accepted enumeration 5 documentation enumeration 6 harmonisation - rejected enumeration 7 documentation enumeration 8 harmonisation - completed enumeration 9 path study request enumeration 10 documentation enumeration 11 pre-arranged path/reserve capacity enumeration 12 documentation enumeration 13 create offer enumeration 14 documentation enumeration 15 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 Preparation of draft offer - accepted
	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 30	documentation Create Dossier
	enumeration 31	documentation Close Dossier
	enumeration 40	documentation Fully Assembled Path (FAP, constructed path)
	enumeration 41	documentation Final Offer rejected
	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: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation	
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-</pre>	

	<p>arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation</xs:documentation></p> <p></xs:annotation></p> <p></xs:element></p>
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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/2.4																		
type	TypeOfRequestCode																		
properties	content simple																		
used by	elements PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage ReceiptConfirmationMessage																		
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> <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		maxInclusive	9		enumeration	1		enumeration	2		enumeration	3	
Kind	Value	Annotation																	
minInclusive	1																		
maxInclusive	9																		
enumeration	1																		
enumeration	2																		
enumeration	3																		
annotation	documentation Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3)																		
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	 <p>Type of RU harmonization: Full, Part, None.</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
type	TypeOfRUHarmonizationCode												
properties	content simple												
used by	PathDetailsMessage PathRequestMessage												
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>Full</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Part</td> <td></td> </tr> <tr> <td>enumeration</td> <td>None</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	Full		enumeration	Part		enumeration	None	
Kind	Value	Annotation											
enumeration	Full												
enumeration	Part												
enumeration	None												
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>
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element TypeofService

diagram	<pre> classDiagram class TypeofService { "Information about the services available on a train. Used for publication towards the passenger" } class SpecialServiceDescriptionCode class FacilityTypeDescriptionCode class CharacteristicDescriptionCode TypeofService "0..∞" -- "0..∞" SpecialServiceDescriptionCode TypeofService "0..∞" -- "0..∞" FacilityTypeDescriptionCode TypeofService "0..∞" -- "0..∞" CharacteristicDescriptionCode </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<pre> classDiagram class SpecialServiceDescriptionCode { "0..∞" } </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	type7161CodeList
properties	minOcc 0 maxOcc unbounded content simple

facets	Kind		Value	Annotation
	maxLength	3		
	enumeration	3	documentation Additional loading documentation Additional loading of vehicles on a train of accompanied motorcars documentation	
	enumeration	4	0 documentation Additional unloading documentation Additional unloading of vehicles from a train of accompanied motorcars documentation	
	enumeration	5	0 documentation Breakfast documentation Breakfast documentation	
	enumeration	6	0 documentation Dinner documentation Dinner documentation	
	enumeration	7	0 documentation Loading documentation Loading of vehicles on a train of accompanied motorcars documentation	
	enumeration	8	0 documentation Lunch documentation Lunch documentation	
	enumeration	9	0 documentation Unloading documentation Unloading of vehicles from a train of accompanied motorcars documentation	
	enumeration	11	0 documentation Child documentation Services for children documentation	
	enumeration	21	0 documentation Cold buffet documentation Cold buffet service documentation	
	enumeration	22	0 documentation Restaurant in 1st class only documentation Restaurant service in 1st class only documentation	
	enumeration	23	0 documentation Hot buffet documentation Hot buffet service documentation	
	enumeration	24	0 documentation Meal included for 1st class passengers documentation Meal service included for 1st class passengers documentation	

	enumeration 25	0 documentation Trolley documentation Trolley service (beverage and food cart) documentation 0 documentation Snack documentation Snack documentation 0 documentation Disabled documentation Services for disabled persons documentation 0 documentation Movies documentation Movies documentation 0 documentation Business documentation Services for business people documentation 0 documentation Nursery documentation Nursery service documentation 0 documentation Buffet documentation Buffet documentation 0 documentation Special services for military documentation Special services for army families documentation 0 documentation Boarding possible 2 hours before departure documentation Boarding is possible 2 hours before departure documentation 0 documentation Alighting possible until 2 hours after arrival documentation Alighting is possible up to 2 hours after arrival documentation 0 documentation Boarding possible 30 minutes before departure documentation Boarding is possible 30 minutes before departure documentation 0 documentation Alighting possible until 30 minutes after arrival documentation Alighting is possible up to 30 minutes after arrival documentation 0 documentation
	enumeration 37	documentation

	<p>Postal services documentation</p> <p>Postal services available documentation</p> <p>0 documentation</p> <p>Meal at the seat documentation</p> <p>Meal is provided at the seat documentation</p> <p>0 documentation</p> <p>Self service documentation</p> <p>Self service meals documentation</p> <p>0 documentation</p> <p>Overnight stay documentation</p> <p>Overnight stay possible on board documentation</p> <p>0 documentation</p> <p>Luggage transport documentation</p> <p>Luggage transport offered documentation</p> <p>0 documentation</p> <p>Luggage transport excluded documentation</p> <p>Luggage transport is not offered documentation</p> <p>0 documentation</p> <p>Music documentation</p> <p>Music documentation</p> <p>0 documentation</p> <p>Check-in documentation</p> <p>Time at which the traveller checks in documentation</p> <p>0 documentation</p> <p>Check-out documentation</p> <p>Time at which the traveller checks out documentation</p> <p>0</p>
source	<pre><xss:element name="SpecialServiceDescriptionCode" type="tap:type7161CodeList" minOccurs="0" maxOccurs="unbounded"/></pre>

element TypeofService/FacilityTypeDescriptionCode

diagram							
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
type	type9039CodeList						
properties	<table> <tr> <td>minOcc</td> <td>0</td> </tr> <tr> <td>maxOcc</td> <td>unbounded</td> </tr> <tr> <td>content</td> <td>simple</td> </tr> </table>	minOcc	0	maxOcc	unbounded	content	simple
minOcc	0						
maxOcc	unbounded						
content	simple						

facets	Kind	Value	Annotation
	maxLength	3	
	enumeration	2	documentation First-class sleepers documentation First-class sleepers documentation 0
	enumeration	3	documentation Standard class sleepers documentation Standard class (second class) sleepers documentation 0
	enumeration	4	documentation First-class seats documentation First-class seats documentation 0
	enumeration	5	documentation Second-class seats documentation Second-class seats documentation Also: standard, etc. documentation 0
	enumeration	6	documentation First-class couchettes documentation First-class couchettes documentation 0
	enumeration	7	documentation Second-class couchettes documentation Second-class couchettes documentation 0
	enumeration	8	documentation Sleeperette documentation Sleeperette or reclining seat documentation 0
	enumeration	9	documentation Restaurant documentation Restaurant facility documentation 0
	enumeration	11	documentation First-class sleeper, single documentation First-class sleeper, single documentation 0
	enumeration	12	documentation First-class sleeper, special documentation First-class sleeper, special documentation 0
	enumeration	13	documentation First-class sleeper, double documentation First-class sleeper, double documentation 0
	enumeration	14	documentation Vehicle transport documentation

		<p>Facilities for vehicle transport etc. Not bicycles.</p> <p>documentation</p> <p>Cars, boats, trailers, motorbikes,</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>Second-class, sleeper, T2</p> <p>documentation</p> <p>Second-class sleeper, T2 (two-bed compartment)</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>Second-class sleeper, T3</p> <p>documentation</p> <p>Second-class sleeper, T3 (three-bed compartment)</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>Second-class sleeper T4</p> <p>documentation</p> <p>Second-class sleeper, T4 (four-bed compartment)</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>First-class sleeper, single, shower</p> <p>documentation</p> <p>First-class sleeper, single with shower</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>First-class sleeper, double, shower</p> <p>documentation</p> <p>First-class sleeper, double with shower</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>Non-smoker service</p> <p>documentation</p> <p>The travel service is non-smoking</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>Heavily disabled</p> <p>documentation</p> <p>Facilities for heavily disabled persons available</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>Baby room</p> <p>documentation</p> <p>Baby care facilities available</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>Bicycle transport</p> <p>documentation</p> <p>Facility for bicycle transport available</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>Wheelchair access</p> <p>documentation</p> <p>Access for wheelchairs possible</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>Video coach</p> <p>documentation</p> <p>Video coach available</p> <p>documentation</p> <p>0</p> <p>documentation</p> <p>Mini-bar</p> <p>documentation</p>
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	enumeration 36	Mini-bar available documentation 0 documentation Panorama coach documentation Panorama coach available documentation 0 documentation Telephone documentation Telephone service is available documentation 0 documentation Power supply documentation Service provides power supply sockets documentation 0 documentation Pullmann coach documentation Pullman car seats documentation 0 documentation Bar documentation A bar is available documentation 0 documentation Family compartment documentation Family compartment(s) available documentation 0 documentation Buffet machine documentation Buffet machine available documentation 0 documentation Premium class documentation A class with comfort level higher than first class Business, etc documentation Includes Comfort, Club, Pullman, documentation 0 documentation Preferente documentation Spanish first class on long distance trains documentation RENFE documentation 0 documentation Turista documentation Spanish second class on long distance trains documentation RENFE documentation 0 documentation First-class sleeper, single, shower, WC documentation First-class sleeper, single with shower and WC documentation
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	enumeration 58	RENFE documentation 0 documentation First-class sleeper, double shower, WC, documentation First-class sleeper, double with shower and WC documentation RENFE documentation 0 documentation Second class sleeper, T3, shower, WC documentation Second class sleeper, T3, shower, WC documentation 0 documentation Second class sleeper double documentation Second class sleeper for two documentation 0 documentation Second class sleeper double shower/toilets documentation Second class sleeper for two with shower and toilets documentation 0 documentation Second-class, couchette, two-bed, C2 documentation Second class compartment with 2 couchettes documentation 0 documentation Second-class, couchette, four-bed, C4 documentation Second class compartment with 4 couchettes documentation 0 documentation Second-class, couchette, six-bed, C6 documentation Second class compartment with 6 couchettes documentation 0 documentation Second class couchette wheelchair documentation Second class couchette with wheelchair space documentation 0 documentation Executive class documentation A class with comfort level higher than first class documentation Trenitalia documentation 1 documentation Business class documentation First class documentation Trenitalia documentation 1 documentation Premium class documentation A second class with comfort level higher than normal second class documentation
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	enumeration 69	Trenitalia documentation 1 documentation Standard class documentation Trenitalia's normal second class documentation Trenitalia documentation 1 documentation Unified class documentation For services with no class differentiation. A service with only one class documentation UIC documentation 1 documentation Metro connection documentation Metro, subway, underground connection documentation Only used in TSDUPD documentation 0 documentation Taxi connection documentation Taxi connection documentation Only used in TSDUPD documentation 0 documentation Bus connection documentation Bus connections available documentation Used only in TSDUPD documentation 0 documentation Tram connection documentation Tram connections available documentation Used only in TSDUPD documentation 0 documentation 2nd Class couchette five beds C5 documentation 2nd Class couchette five beds C5 documentation DB Nachtzug documentation 0
source		<pre><xs:element name="FacilityTypeDescriptionCode" type="tap:type9039CodeList" minOccurs="0" maxOccurs="unbounded"/></pre>

element TypeofService/CharacteristicDescriptionCode

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

type	type7037CodeList		
properties	minOcc 0 maxOcc unbounded content simple		
facets	Kind	Value	Annotation
	maxLength	17	
	enumeration	6	documentation First class documentation First class accommodation documentation 0
	enumeration	7	documentation Second class documentation Second class accommodation documentation 0
	enumeration	11	documentation Reservation possible documentation Reservation is possible documentation 0
	enumeration	12	documentation With supplement documentation A supplement is charged documentation 0
	enumeration	13	documentation Reservation compulsory documentation Reservation is compulsory documentation 0
	enumeration	14	documentation Reservation advised documentation Reservation is recommended documentation 0
	enumeration	15	documentation Reservation compulsory for parties documentation Reservation is compulsory for parties documentation 0
	enumeration	16	documentation Reservation compulsory in first-class documentation Reservation is compulsory in first-class documentation 0
	enumeration	17	documentation Group booking restricted documentation Booking by groups restricted documentation 0
	enumeration	18	documentation Groups not allowed documentation Groups of travellers are not allowed documentation 0
	enumeration	19	documentation No reservation documentation Reservation is not possible documentation 0

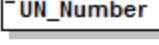
	enumeration 20	documentation Reservation in first class only documentation Reservation is only possible in first documentation 0 documentation Reservation compulsory from origin station documentation Reservation compulsory from origin station documentation 0 documentation Reservation allowed for certain classes/products documentation Reservation possible for some booking classes/products documentation 0 documentation Reservation in second class only documentation Reservation is only possible in second class. documentation 0 documentation Not available documentation The product is not available documentation 0 documentation Non-bookable documentation The product is not bookable documentation 0 documentation Bookable through an international reservation system documentation Bookable through an international reservation system documentation 0 documentation Bookable through a national reservation system documentation Bookable through a national reservation system documentation 0 documentation Bookable manually on the RU selling point documentation Bookable manually on the RU selling point documentation 0
source	<pre><xs:element name="CharacteristicDescriptionCode" type="tap:type7037CodeList" minOccurs="0" maxOccurs="unbounded"/></pre>	

element **UltimateDestinationCountry**

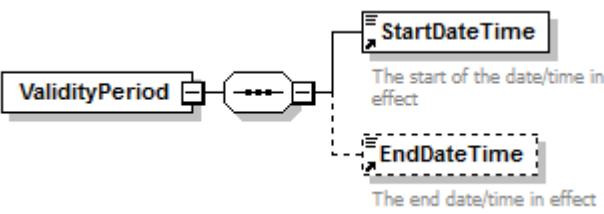
diagram	 Country of Ultimate Destination
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	CountryIdentISO
properties	content simple
used by	element ITU_Details

facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Country of Ultimate Destination
source	<xs:element name="UltimateDestinationCountry" type="CountryIdentISO"> <xs:annotation> <xs:documentation>Country of Ultimate Destination</xs:documentation> </xs:annotation> </xs:element>

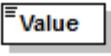
element UN_Number

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/2.4
type	restriction of xs:string
properties	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	<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 <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:length value="4"/> <xs:pattern value="\d*[1-9]\d*"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ValidityPeriod**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	StartDateTime EndDateTime
used by	elements PlannedCalendar 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>

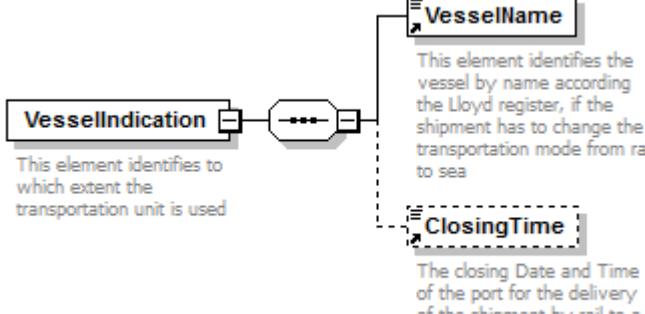
element **Value**

diagram													
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
type	restriction of xs:decimal												
properties	content simple												
used by	elements Height Length Width												
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>9999999999</td> <td></td> </tr> <tr> <td>fractionDigits</td> <td>1</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	0		maxInclusive	9999999999		fractionDigits	1	
Kind	Value	Annotation											
minInclusive	0												
maxInclusive	9999999999												
fractionDigits	1												
source	<pre> <xs:element name="Value"> <xs:simpleType> <xs:restriction base="xs:decimal"> <xs:minInclusive value="0"/> <xs:fractionDigits value="1"/> <xs:maxInclusive value="9999999999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>												

element **Variant**

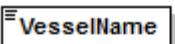
diagram	
	The variant shows a relationship between two identifiers referring to the same business case
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	content simple
used by	complexTypes CompositIdentifierOperationalType CompositIdentifierPlannedType
facets	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"/> <xs:maxLength 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/2.4
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> </pre>

	<pre> <xs:documentation>This element identifies to which extent the transportation unit is used</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:element ref="ClosingTime" ref="VesselName"/> 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/2.4
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	 <p>Identifies the volume of a shipment, expressed in cubic metres</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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>

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

element **WagonArrivalNoticeMessage**

diagram	<pre> classDiagram class WagonArrivalNoticeMessage { <<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.>> } class MessageHeader class WagonInformation class ArrivalAtDestination WagonArrivalNoticeMessage < -- MessageHeader WagonArrivalNoticeMessage < -- WagonInformation WagonArrivalNoticeMessage < -- ArrivalAtDestination </pre> <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/2.4
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 { Location DepartureTimeAtLocation } class Location { <<Identifies a Location using a LocationIdent>> } class DepartureTimeAtLocation { <<the scheduled departure date and time at a defined location>> } WagonAtDeparture "1" -- "1" Location WagonAtDeparture "1" -- "1" DepartureTimeAtLocation </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	Location DepartureTimeAtLocation
used by	element WagonDepartureNoticeMessage
annotation	documentation Departure point of a wagon with location and departure time
source	<pre> <xss:element name="WagonAtDeparture"> <xss:annotation> <xss:documentation>Departure point of a wagon with location and departure time</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="Location"/> <xss:element ref="DepartureTimeAtLocation"/> </xss:sequence> </xss:complexType> </xss:element> </pre>

element **WagonData**

diagram	<pre> classDiagram class WagonData { WagonNumberFreight WagonTrainPosition WagonOperationalData WagonTechData } class WagonNumberFreight { <<Identifies uniquely the freight wagon by its number>> } class 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.>> } class 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.>> } class WagonTechData { <<This element shows the wagon relevant technical data for the wagons within a running train>> } WagonData "1" -- "1" WagonNumberFreight WagonData "1" -- "1" WagonTrainPosition WagonData "1" -- "1" WagonOperationalData WagonData "1" -- "1" WagonTechData </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

properties	content complex
children	WagonNumberFreight WagonTrainPosition WagonOperationalData WagonTechData
used by	element TrainCompositionJourneySection
annotation	documentation Wagon relevant data for the wagons within a running train
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	<p>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.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element></pre>

	<pre> <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	<p>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.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	MessageHeader RelatedReference WagonInformation Customers WagonAtDeparture
annotation	<p>documentation</p> <p>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.</p>
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> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader" /> <xs:element ref="RelatedReference" minOccurs="0"/> <xs:element ref="WagonInformation" /> <xs:element ref="Customers" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre><xs:element </xs:sequence> </xs:complexType> </xs:element></pre>	<code>ref="WagonAtDeparture"/></code>
--	--	--

element **WagonDeviationMessage**

diagram	<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>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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><xs:element name="WagonDeviationMessage"> <xs:annotation> <xs: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.</xs:documentation> <xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="RelatedReference"/> <xs:element ref="WagonNumberFreight"/> <xs:element ref="ActualETI"/> <xs:element ref="WagonExceptionReport"/> </xs:sequence> </xs:complexType> </xs:annotation> </xs:annotation> </xs: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/2.4
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/2.4
properties	content complex
children	WagonEvent EventDateTime Location
used by	element WIMO_Dataset/EventLevelData
annotation	<p>documentation</p> <p>This is a WIMO element that is derived from the Wagon Release Notice and Event Messages</p>
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"> <xs:simpleType> <xs:restriction> <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/2.4
type	restriction of <code>xs:token</code>
properties	content simple
facets	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 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> </pre>

element **WagonEventInformation/EventDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:dateTime
properties	content simple
source	<pre><xs:element name="EventDateTime" type="xs:dateTime"/></pre>

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/2.4
properties	content complex
children	MessageHeader WagonInformation WagonExceptionReport DangerousGoodsIndication
annotation	<p>documentation</p> <p>This message is used by the RU/Service Provider to inform the Lead RU about deviations e.g. bad order, hold</p>
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> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="WagonInformation"/> <xs:element ref="WagonExceptionReport"/> <xs:element ref="DangerousGoodsIndication" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element WagonExceptionReasonMessage

diagram	<pre> classDiagram class WagonExceptionReasonMessage { <<This message is used by the Lead RU to inform the other RU/Service providers about deviations and to request a new ETI/ETA.>> } class MessageHeader class WagonInformation class WagonExceptionReport class DangerousGoodsIndication WagonExceptionReasonMessage < -- MessageHeader WagonExceptionReasonMessage < -- WagonInformation WagonExceptionReasonMessage *--> WagonExceptionReport WagonExceptionReasonMessage *--> DangerousGoodsIndication </pre> <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/2.4
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> <xs:element name="WagonExceptionReasonMessage"> <xs:annotation> <xs: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.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="WagonInformation"/> <xs:element ref="WagonExceptionReport"/> <xs:element ref="DangerousGoodsIndication" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs: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 [+] 0..∞ 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/2.4
properties	content complex
children	ExceptionPoint ExceptionReason
used by	WagonDeviationMessage WagonExceptionMessage WagonExceptionReasonMessage
annotation	<p>documentation</p> <p>Specifies the exceptions of a wagon related to a specific location</p>
source	<pre> <xss:element name="WagonExceptionReport"> <xss:annotation> <xss:documentation>Specifies the exceptions of a wagon related to a specific location</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="ExceptionPoint"/> <xss:element ref="ExceptionReason" minOccurs="0" maxOccurs="unbounded"/> </xss:sequence> </xss:complexType> </xss: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 [+] 0..99 Goods</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

properties	content complex
children	WagonNumberFreight LoadingStatus TotalWeight GoodsInWagon
used by	elements WIMO Dataset/ConsignmentLevelData WagonArrivalNoticeMessage WagonDeliveryNoticeMessage WagonDepartureNoticeMessage WagonETI ETA Message WagonExceptionMessage WagonExceptionReasonMessage WagonInterchangeNoticeMessage WagonReleaseNoticeMessage
annotation	documentation This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon
source	<pre> <xs:element name="WagonInformation"> <xs:annotation> <xs:documentation>This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="WagonNumberFreight"/> <xs: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 WagonInterchangeNoticeMessage

diagram	<p>The diagram illustrates the structure of the WagonInterchangeNoticeMessage. It consists of a central box labeled "WagonInterchangeNoticeMessage" connected to a "MessageHeader" box above it. The "MessageHeader" box is described as "Used for all messages". Below the main message box, there are several optional components represented by dashed lines and boxes: "DeliveryInterchangePoint" (described as "Place where the responsibility of a wagon is changed and the date and time when the wagon responsibility is handed over"), "DangerousGoodsIndication" (described as "Identifies dangerous goods"), "OperationalTrainNumber" (described as "Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc."), and "TrainID" (described as "Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc."). To the left of the main message box, a text box states: "This message is used by the RU/Service Provider to ask the neighbouring RU/Service Provider the acceptance of the responsibility for a wagon."</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	MessageHeader WagonInformation DeliveryInterchangePoint DangerousGoodsIndication OperationalTrainNumber TrainID
annotation	documentation This message is used by the RU/Service Provider to ask the neighbouring RU/Service Provider the acceptance of the responsibility for a wagon.
source	<pre> <xs:element name="WagonInterchangeNoticeMessage"> <xs:annotation> <xs:documentation>This message is used by the RU/Service Provider to ask the neighbouring RU/Service Provider the acceptance of the responsibility for a wagon.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="WagonInformation"/> <xs:element ref="DeliveryInterchangePoint"/> <xs:element ref="DangerousGoodsIndication" minOccurs="0"/> <xs:element ref="OperationalTrainNumber"/> <xs:element ref="TrainID" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **WagonInterchangeSubNoticeMessage**

diagram	<pre> classDiagram class WagonInterchangeSubNoticeMessage { <<This message is used by the RU/Service Provider to inform the IM that the responsibility is handed over to the next RU/Service Provider>> } class MessageHeader { <<Used for all messages>> } class WagonNumberFreight { <<Identifies uniquely the freight wagon by its number>> } class AcceptanceInterchangePoint { <<The place where the responsibility of a wagon is accepted and the date and time when the wagon responsibility of the wagon is accepted>> } class DangerousGoodsIndication { <<Identifies dangerous goods>> } class OperationalTrainNumber { <<Identifies the train for traffic management purposes by the Dispatcher, GSMR services, etc.>> } class TrainID WagonInterchangeSubNoticeMessage --> MessageHeader WagonInterchangeSubNoticeMessage --> WagonNumberFreight WagonInterchangeSubNoticeMessage --> AcceptanceInterchangePoint WagonInterchangeSubNoticeMessage --> DangerousGoodsIndication WagonInterchangeSubNoticeMessage --> OperationalTrainNumber WagonInterchangeSubNoticeMessage --> TrainID </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	MessageHeader WagonNumberFreight AcceptanceInterchangePoint DangerousGoodsIndication OperationalTrainNumber TrainID
annotation	documentation This message is used by the RU/Service Provider to inform the IM that the responsibility is handed over to the next RU/Service Provider
source	<pre> <xs:element name="WagonInterchangeSubNoticeMessage"> </pre>

	<pre> <xs:annotation> <xs:documentation>This message is used by the RU/Service Provider to inform the IM that the responsibility is handed over to the next RU/Service Provider</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="WagonNumberFreight"/> <xs:element ref="AcceptanceInterchangePoint"/> <xs:element ref="DangerousGoodsIndication" minOccurs="0"/> <xs:element ref="OperationalTrainNumber"/> <xs:element ref="TrainID" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>
--	--

element WagonLength

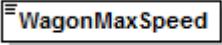
diagram	<p>WagonLength</p> <p>Length over buffers in cms</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:int									
properties	content simple									
used by	element Wagons/WagonDetails/WagonTypeDetails									
facets	<table> <thead> <tr> <th>Kind</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>WagonLocationStatus</p> <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/2.4
type	RunningStatus

properties	content simple																																																															
used by	element ExceptionPoint																																																															
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>05</td><td></td></tr> <tr><td>enumeration</td><td>06</td><td></td></tr> <tr><td>enumeration</td><td>07</td><td></td></tr> <tr><td>enumeration</td><td>08</td><td></td></tr> <tr><td>enumeration</td><td>09</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>15</td><td></td></tr> <tr><td>enumeration</td><td>16</td><td></td></tr> <tr><td>enumeration</td><td>17</td><td></td></tr> <tr><td>enumeration</td><td>18</td><td></td></tr> <tr><td>enumeration</td><td>19</td><td></td></tr> </tbody> </table>	Kind	Value	Annotation	enumeration	00		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	
Kind	Value	Annotation																																																														
enumeration	00																																																															
enumeration	01																																																															
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enumeration	19																																																															
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>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/2.4									
type	restriction of <code>xs:int</code>									
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	documentation Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh									
source	<pre><xs:element name="WagonMaxSpeed"></pre>									

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

element **WagonNumberFreight**

diagram	 <p>Identifies uniquely the freight wagon by its number</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	WagonIdent
properties	content simple
used by	elements RollingStockDataset/AdministrativeDataSet AlertMessage RollingStockDatasetMessage/RefusedWagonNumbers RollingStockDatasetQueryMessage WagonData WagonDeviationMessage WagonInformation WagonInterchangeSubNoticeMessage WagonReceivedAtInterchangeMessage WagonRefusedAtInterchangeMessage Wagons WagonYardArrivalMessage WagonYardDepartureMessage
facets	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	 <p>Number of Axels for a wagon</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:int
properties	content simple
used by	RollingStockDataset/DesignDataSet WagonTechData Wagons/WagonDetails/WagonTypeDetails
facets	Kind Value Annotation minInclusive 2 maxInclusive 99
annotation	documentation Number of Axels for a wagon

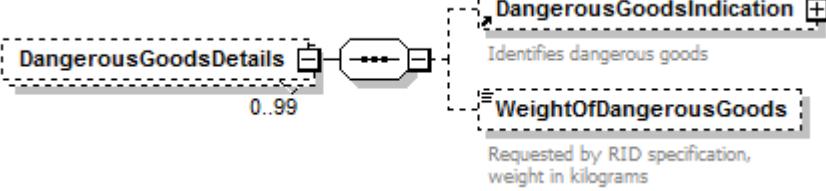
source	<pre><xs:element name="WagonNumberOfAxles"> <xs:annotation> <xs:documentation>Number of Axels for a wagon</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="2"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element>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

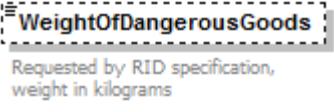
diagram	<pre> graph TD WOD[WagonOperationalData] --> BT[BrakeType] WOD --> BW[BrakeWeight] WOD --> WMS[WagonMaxSpeed] WOD --> EGP[ExceptionalGaugingProfile] WOD --> EGI[ExceptionalGaugingIdent] WOD --> DGD[DangerousGoodsDetails] WOD --> IOD[InfoOnGoodsShapeTypeDanger] WOD --> WOD2[WagonOperationalData] WOD --> RD[RestrictionsDueToLoadOrDamage] WOD --> TLW[TotalLoadWeight] </pre> <p>BrakeType Type of braking system. additional: X For indication: brake system of the freight wagon out of order (actually / current)</p> <p>BrakeWeight Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes</p> <p>WagonMaxSpeed Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In km/h</p> <p>ExceptionalGaugingProfile Identification of special load. Coding found in 404-2 chapter 4.9.1 (4AN + 3N)</p> <p>ExceptionalGaugingIdent Indicates that an exceptional Gauging is in the train or for the wagon</p> <p>DangerousGoodsDetails 0.99</p> <p>InfoOnGoodsShapeTypeDanger 0.9</p> <p>Additional codified information on the load. Coding Structures as defined in 404-2 chapter 4.1 Codes to add are given in the table below: 96 Environmentally hazardous substance (RID 5.2.1.8) 97 More than 8 tons of dangerous goods packaged in limited quantities (LQ)</p> <p>WagonOperationalData</p> <p>The following documentation serves for the existing codes: 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</p> <p>RestrictionsDueToLoadOrDamage 0.9</p> <p>These are possible restrictions applicable in the original country to sharing movements in sections and to multi-line movements in account of the nature of the load. Coding in Restriction Codes (according to UIC Leaflet 920-13)</p> <p>TotalLoadWeight 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</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

children	<u>BrakeType</u> <u>BrakeWeight</u> <u>WagonMaxSpeed</u> <u>ExceptionalGaugingProfile</u> <u>ExceptionalGaugingIdent</u> <u>DangerousGoodsDetails</u> <u>InfoOnGoodsShapeTypeDanger</u> <u>RestrictionsDueToLoadOrDamage</u> <u>TotalLoadWeight</u>
used by	element <u>WagonData</u>
annotation	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.
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> <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 base="xs:decimal"> <xs:minInclusive value="0"/> <xs:maxInclusive value="999999"/> <xs:totalDigits value="6"/> </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/2.4
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 base="xs:decimal"> <xs:minInclusive value="0"/> <xs:maxInclusive value="999999"/> <xs:totalDigits value="6"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element WagonOperationalData/DangerousGoodsDetails/WeightOfDangerousGoods

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:decimal
properties	minOcc 0 maxOcc 1 content simple
facets	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:element></pre>

	<pre> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive <xs:totalDigits </xs:restriction> </xs:simpleType> </xs:element> </pre>	<pre> base="xs:decimal"> value="0"/> value="999999"/> value="6"/> </pre>
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element WagonPickupAtOrigin

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	Location DepartureTimeAtLocation
used by	WagonReleaseNoticeMessage
annotation	<p>documentation</p> <p>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>
source	<pre> <xs:element name="WagonPickupAtOrigin"> <xs:annotation> <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 ref="Location"/> <xs:element ref="DepartureTimeAtLocation"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **WagonReceivedAtInterchangeMessage**

diagram	<p>This message is used by the neighbouring RU/Service Provider as answer to the message WagonInterchangeNotice to conform the acceptance of the responsibility for the wagon.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	MessageHeader RelatedReference WagonNumberFreight AcceptanceInterchangePoint
annotation	<p>documentation</p> <p>This message is used by the neighbouring RU/Service Provider as answer to the message WagonInterchangeNotice to conform the acceptance of the responsibility for the wagon.</p>
source	<pre> <xs:element name="WagonReceivedAtInterchangeMessage"> <xs:annotation> <xs:documentation>This message is used by the neighbouring RU/Service Provider as answer to the message WagonInterchangeNotice to conform the acceptance of the responsibility for the wagon.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="RelatedReference"/> <xs:element ref="WagonNumberFreight"/> <xs:element ref="AcceptanceInterchangePoint"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element WagonRefusedAtInterchangeMessage

diagram	<pre> classDiagram class WagonRefusedAtInterchangeMessage class MessageHeader class RelatedReference class WagonNumberFreight class RefusalAtInterchange class CauseType class CauseDescription WagonRefusedAtInterchangeMessage --> MessageHeader WagonRefusedAtInterchangeMessage --> RelatedReference WagonRefusedAtInterchangeMessage --> WagonNumberFreight WagonRefusedAtInterchangeMessage --> RefusalAtInterchange WagonRefusedAtInterchangeMessage --> CauseType WagonRefusedAtInterchangeMessage --> CauseDescription </pre> <p>This message is used by the neighbouring RU/Service Provider as answer to the message 'WagonInterchangeNotic' to inform the sender that the responsibility for the wagon is refused.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	MessageHeader RelatedReference WagonNumberFreight RefusalAtInterchange CauseType CauseDescription
annotation	<p>documentation</p> <p>This message is used by the neighbouring RU/Service Provider as answer to the message 'WagonInterchangeNotic' to inform the sender that the responsibility for the wagon is refused.</p>
source	<pre> <xs:element name="WagonRefusedAtInterchangeMessage"> <xs:annotation> <xs:documentation>This message is used by the neighbouring RU/Service Provider as answer to the message 'WagonInterchangeNotic' to inform the sender that the responsibility for the wagon is refused.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="RelatedReference"/> <xs:element ref="WagonNumberFreight"/> <xs:element ref="RefusalAtInterchange"/> <xs:element ref="CauseType"/> <xs:element ref="CauseDescription" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </pre>

element **WagonReleaseNoticeMessage**

diagram	<pre> classDiagram class WagonReleaseNoticeMessage { <<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.>> <<Used for all messages>> <<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>> <<Information about the consignor and consignee>> <<Place and Date and Time of when the wagon is ready to be taken over by the RU/Service Provider at the customer sidings>> } class MessageHeader class WagonInformation class Customers class WagonPickupAtOrigin WagonReleaseNoticeMessage "1" --> "1" MessageHeader WagonReleaseNoticeMessage "1" --> "1" WagonInformation WagonReleaseNoticeMessage "1" --> "0..1" Customers WagonReleaseNoticeMessage "1" --> "1" WagonPickupAtOrigin </pre> <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> <p>Used for all messages</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>Information about the consignor and consignee</p> <p>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>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> <xss:element name="WagonReleaseNoticeMessage"> <xss:annotation> <xss: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.</xss:documentation> </xss:annotation> <xss:complexType> <xss:sequence> <xss:element ref="MessageHeader"/> <xss:element ref="WagonInformation"/> <xss:element ref="Customers" minOccurs="0"/> <xss:element ref="WagonPickupAtOrigin"/> </xss:sequence> </xss:complexType> </xss:element> </pre>

element Wagons

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:sequence> </xs:sequence> </xs:complexType> </xs:element> </pre>

	<pre>wagon</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element <xs:annotation>ref="LoadingStatus"/> name="WagonInfo" minOccurs="0"> <xs:annotation>Additional information, concerning the of the whole wagon. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:maxLength value="500"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="WagonTypeDetails" minOccurs="0"> <xs:annotation>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>Load limit from table of load limits in [t].</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive value="0"/> <xs:totalDigits value="4"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="Seals" minOccurs="0"> <xs:annotation>Describes the seals used for the consignment</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="Ship" minOccurs="0"> <xs:annotation>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"/> </pre>
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	<pre> 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 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> <xs:element name="ShuntingModalLabel" minOccurs="0"> <xs:annotation> <xs:documentation>Shunting modal label according to 5.3.4 RID</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:enumeration value="13"/> <xs:enumeration value="15"/> </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>
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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 < --> WagonDetails WagonDetails --> LoadingStatus WagonDetails --> WagonInfo WagonDetails --> WagonTypeDetails WagonDetails --> TotalWeight WagonDetails --> LoadLimit WagonDetails --> Seals WagonDetails --> Ship WagonDetails --> DeliveryReference WagonDetails --> OriginCountry WagonDetails --> ExceptionalConsignment WagonDetails --> ShuntingModalLabel WagonDetails --> ReferenceNumbers </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	LoadingStatus WagonInfo WagonTypeDetails TotalWeight LoadLimit Seals Ship DeliveryReference OriginCountry ExceptionalConsignment ShuntingModalLabel ReferenceNumbers

annotation	documentation Details for the specific wagon
source	<pre> <xs:element name="WagonDetails"> <xs:annotation> <xs:documentation>Details for the specific wagon</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="LoadingStatus"/> <xs:element name="WagonInfo" minOccurs="0"> <xs:annotation> <xs:documentation>Additional information, concerning the goods of whole wagon.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <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 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> <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:sequence> </xs:complexType> </xs:element> </pre>

	<pre> </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:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </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	 <p>Additional information, concerning the goods of the whole wagon.</p>						
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
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> </tbody> </table>	Kind	Value	Annotation	minLength	1	
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	<p>These elements are only needed, if the wagon has to be treated as CUV (empty wagon).</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 1 content complex
children	WagonWeightEmpty WagonNumberOfAxles WagonLength
annotation	documentation These elements are only needed, if the wagon has to be treated as CUV (empty wagon).
source	<pre> <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 <xs:element <xs:element </xs:sequence> </xs:complexType> </xs:element></pre>

element Wagons/WagonDetails/LoadLimit

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	documentation Load limit from table of load limits in [t].									
source	<pre> <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> </pre>									

element Wagons/WagonDetails/ExceptionalConsignment

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	minOcc 0 maxOcc 10 content complex
children	IM_Partner PermissionNumber
annotation	documentation Exceptional Consignment
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: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:sequence> </xs:complexType> </xs:element> </pre>	<pre> base="xs:string"> value="1"/> value="24"/> </pre>
--	--	--

element Wagons/WagonDetails/ExceptionalConsignment/PermissionNumber

diagram										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>24</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	24	
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							
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4						
type	restriction of xs:token						
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>enumeration</td> <td>13</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	13	
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:enumeration> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element></pre>

element WagonTechData

diagram	<pre> graph TD WTD[WagonTechData] --- LOB[LengthOverBuffers] WTD --- WNAs[WagonNumberOfAxles] WTD --- ABT[AirBrakeType] WTD --- BPVD[BrakingPowerVariationDevice] WTD --- ASCH[AirBrakeSpecialCharacteristic] WTD --- HBT[HandBrakeType] WTD --- HBW[HandBrakeBrakedWeight] WTD --- NLG[NormalLoadingGauge] WTD --- WWE[WagonWeightEmpty] NLG -.-> "0..6" </pre> <p>This element shows the wagon relevant technical data for the wagons within a running train</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex

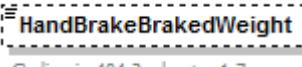
children	<u>LengthOverBuffers</u> <u>WagonNumberOfAxles</u> <u>AirBrakeSpecialCharacteristic</u> <u>HandBrakeType</u> <u>WagonWeightEmpty</u> <u>TechnicalRestrictions</u>	<u>AirBrakeType</u> <u>BrakingPowerVariationDevice</u> <u>HandBrakeBrakedWeight</u> <u>NormalLoadingGauge</u>
used by	element <u>WagonData</u>	
annotation	documentation This element shows the wagon relevant technical data for the wagons within a running train	
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: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 base="xs:integer"> <xs:minInclusive value="000" /> <xs:maxInclusive value="999" /> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="NormalLoadingGauge" minOccurs="0" /> <xs:element ref="WagonWeightEmpty" /> <xs:element name="TechnicalRestrictions" type="Numeric2-2" maxOccurs="6"> <xs:sequence> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>	

element **WagonTechData/AirBrakeSpecialCharacteristic**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:integer

properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 9
annotation	documentation Coding in 404-2, chapter 1.8
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 <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element></pre>

element WagonTechData/HandBrakeBrakedWeight

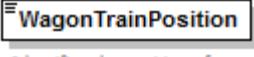
diagram	 Coding in 404-2, chapter 1.7
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:integer
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 000 maxInclusive 999
annotation	documentation Coding in 404-2, chapter 1.7
source	<pre><xs:element 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 <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element></pre>

element WagonTechData/TechnicalRestrictions

diagram	 0..6
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	Numeric2-2

properties	minOcc 0 maxOcc 6 content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
source	<xs:element name="TechnicalRestrictions" type="Numeric2-2" minOccurs="0" maxOccurs="6"/>

element WagonTrainPosition

diagram	 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.
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:int
properties	content simple
used by	element WagonData
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.
source	<xs:element name="WagonTrainPosition"> <xs:annotation> <xs:documentation>Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element>

element WagonWeightEmpty

diagram	 WagonWeightEmpty The weight of an empty wagon according to the entry in the rolling stock database
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<p>This message is used by the RU to inform the LRU that the wagon has arrived at its yard.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	MessageHeader WagonNumberFreight YardArrival
annotation	<p>documentation</p> <p>This message is used by the RU to inform the LRU that the wagon has arrived at its yard.</p>
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	<p>This message is used by the RU/Service Provider to inform the Lead RU that the wagon has left the yard.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element ref="MessageHeader"/> <xs:element ref="WagonNumberFreight"/> <xs:element ref="YardDeparture"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element WeightOfSetOfCarriages

diagram	<p>The calculated maximum weight of all carriages without the traction</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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 traction</xs:documentation> </xs:annotation> </xs:element></pre>									

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

element **WheelDiameter**

diagram	 <p>Diameter of wheels measured in mm. Reference wheel diameter at maximum.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>Diameter of wheels measured in mm. Reference wheel diameter at maximum.</p>									
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:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

element **WheelsetGauge**

diagram	 <p>Track Gauge measured in mm; multi-entry for wagons with changeable wheel set gauge</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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 Track Gauge measured in mm; multi-entry for wagons with changeable wheel set gauge
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> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element Width

diagram	<p>The diagram illustrates the 'Width' element as a class with two associations. One association leads to a 'Value' object, and the other leads to a 'Measure' object. Both 'Value' and 'Measure' objects have multiplicity '*' at their ends, indicating they can be associated with multiple instances of 'Width'. The association between 'Width' and 'Value' is labeled 'Width of ITU'. The association between 'Width' and 'Measure' is also labeled 'Width of ITU'. Below the diagram, a note states: 'Measure used, either ft or mm'.</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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>The diagram illustrates the 'WIMO_Dataset' element as a class with three associations. One association leads to a 'ConsignmentLevelData' object, another to an 'EventLevelData' object, and the third to a 'RollingStockDataset' object. All three objects have multiplicity '*' at their ends, indicating they can be associated with multiple instances of 'WIMO_Dataset'. Below the diagram, a note states: 'Comment describing your root element'.</p>
---------	---

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
properties	content complex
children	<u>ConsignmentLevelData</u> <u>EventLevelData</u> <u>RollingStockDataset</u>
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:element name="EventLevelData"> <xs:complexType> <xs:sequence> <xs:element ref="WagonEventInformation"/> <xs:element ref="VesselIndication" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> </pre>

element WIMO_Dataset/ConsignmentLevelData

diagram	<pre> classDiagram class ConsignmentLevelData { <<Customer>> <<ConsignmentNumber>> <<Goods>> <<AgreedTimeOfDelivery>> <<Destination>> <<WagonInformation>> <<ContractNumber>> <<DangerousGoodsIndication>> <<SpecialTreatments>> <<PreviousWagonNumber>> <<PreviousConsignmentNumber>> <<NextIntermediateDestination>> <<PreviousResponsibleRU>> <<NextResponsibleRU>> } Customer "1..2" --> ConsignmentLevelData : Consignor or Consignee ConsignmentNumber "*" --> ConsignmentLevelData : Reference number assigned to a consignment by a lead RU Goods "*" --> ConsignmentLevelData : Describes the goods inside the means of transport AgreedTimeOfDelivery "*" --> ConsignmentLevelData : The requested Date and Time for the delivery of a wagon/Shipment or Intermodal units at customer sidings Destination "*" --> ConsignmentLevelData : Destination Location WagonInformation "*" --> ConsignmentLevelData : 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 "*" --> ConsignmentLevelData : Number of agreement between LeadRU and Responsible RU DangerousGoodsIndication "*" --> ConsignmentLevelData : Identifies dangerous goods SpecialTreatments "*" --> ConsignmentLevelData : Special treatment PreviousWagonNumber "*" --> ConsignmentLevelData : PreviousConsignmentNumber "*" --> ConsignmentLevelData : This element shows the previous Reference number assigned to a consignment by a lead RU NextIntermediateDestination "*" --> ConsignmentLevelData : Identifies next stopping point on the route of a train PreviousResponsibleRU "*" --> ConsignmentLevelData : This element identifies the RU, who was responsible for the train operation on the journey section before an interchange point NextResponsibleRU "*" --> ConsignmentLevelData : The RU who is responsible for the train operation on the next journey section. </pre>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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:element> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>

element WIMO_Dataset/ConsignmentLevelData/PreviousWagonNumber

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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/2.4

properties	content complex
children	WagonEventInformation VesselIndication
source	<pre> <xs:element <xs:complexType> <xs:sequence> <xs:element <xs:element <xs:element ref="WagonEventInformation" /> ref="VesselIndication" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element></pre>

element YardArrival

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 <xs:element ref="Location" /> ref="ArrivalTimeAtLocationActual" /> </xs:sequence> </xs:complexType> </xs:element></pre>

element YardDeparture

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

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	<p>CargoCodeType</p> <p>Identification of the Cargo and the nomenclature used</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	extension of FreeText
properties	base FreeText
facets	Kind Value Annotation minLength 1 maxLength 255
attributes	Name Type Use Default Fixed Annotation CargoCodingType derived by: xs:token
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:attribute name="CargoCodingType" type="xs:token"> <xs:simpleType> <xs:restriction base="xs:token"> <xs:length value="3"/> <xs:enumeration value="NHM"/> <xs:enumeration value="CN"/> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:extension> </xs:simpleContent></pre>

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

attribute **CargoCodeType/@CargoCodingType**

type	restriction of <code>xs:token</code>												
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>length</td> <td>3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>NHM</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CN</td> <td></td> </tr> </table>	Kind	Value	Annotation	length	3		enumeration	NHM		enumeration	CN	
Kind	Value	Annotation											
length	3												
enumeration	NHM												
enumeration	CN												
source	<pre> <xs:attribute name="CargoCodingType"> <xs:simpleType> <xs:restriction base="xs:token"> <xs:length value="3"/> <xs:enumeration value="NHM"/> <xs:enumeration value="CN"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>												

complexType **CompositIdentifierOperationalType**

diagram	<p>CompositIdentifierOperationalType</p> <p>Used for unique identification of the objects handled in the messages such as train, path, path request or case reference.</p> <ul style="list-style-type: none"> ObjectType: Provides a possibility for differentiation between the objects: Train, Path, Case Reference and Path Request Company: Identifies a railway company (RU or IM) Core: It is the main part of identifier and is determined by the company that creates it. Variant: The variant shows a relationship between two identifiers referring to the same business case TimetableYear: Refers to the timetable period in which the business will be carried out StartDate: Is only used in the operational phase and refers to the date where the single train will start the train journey
namespace	http://www.era.europa.eu/schemes/TAF-TSI/2.4
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="CompositeIdentifierOperationalType"> <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: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:element> </xs:sequence> </xs:complexType></pre>

complexType CompositIdentifierPlannedType

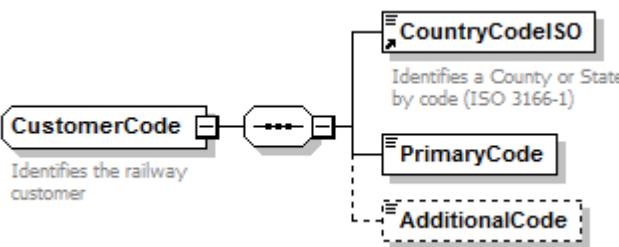
diagram	<p>The diagram illustrates the structure of the CompositIdentifierPlannedType. It consists of a main box labeled "CompositIdentifierPlannedType" connected via a line to a dashed box containing five sub-components: "ObjectType", "Company", "Core", "Variant", and "TimetableYear".</p> <ul style="list-style-type: none"> ObjectType: Provides a possibility for differentiation between the objects: Train, Path, Case Reference and Path Request. Company: Identifies a railway company (RU or IM). Core: It is the main part of identifier and is determined by the company that creates it. Variant: The variant shows a relationship between two identifiers referring to the same business case. TimetableYear: Refers to the timetable period in which the business will be carried out. StartDate: The start of the date/time in effect. <p>Used for unique identification of the objects handled in the messages such as train, path, path request or case reference.</p>
---------	---

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 ConsignmentIdent

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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>

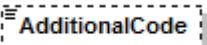
complexType CustomerCode

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	String1-14									
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>14</td> <td></td> </tr> </tbody> </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/2.4									
type	String1-7									
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>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>7</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	minLength	1		maxLength	7	
Kind	Value	Annotation								
minLength	1									
maxLength	7									

source

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

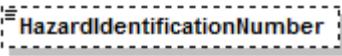
complexType **DanGoodsType**

diagram	<p>DanGoodsType</p> <p>This element indicates the type of a dangerous load</p> <ul style="list-style-type: none"> -> HazardIdentificationNumber -> UN_Number -> DangerLabel -> RID_Class -> PackingGroup -> DangerousGoodsWeight -> DangerousGoodsVolume -> LimitedQuantityIndicator
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
children	HazardIdentificationNumber UN_Number DangerLabel RID_Class PackingGroup DangerousGoodsWeight

	<u>DangerousGoodsVolume_LimitedQuantityIndicator</u>
used by	element <u>DangerousGoodsIndication</u>
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"> <xs:simpleType> <xs:restriction> <xs:minLength value="2"/> <xs:maxLength value="4"/> </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 value="4"/> <xs:pattern value="\d*[1-9]\d*"/> </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 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> <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:sequence> </xs:complexType> </pre>

	<pre> </xs:annotation> </xs:element> <xs:element name="LimitedQuantityIndicator" type="xs:boolean"> <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

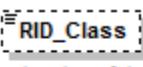
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 4
source	<pre> <xs:element name="HazardIdentificationNumber" minOccurs="0"> <xs:simpleType> <xs:restriction> <xs:minLength <xs:maxLength </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/2.4
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	<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 <1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING".</p>
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 <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>

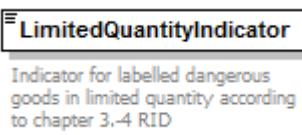
element DanGoodsType/RID_Class

diagram	 <p>The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	<p>documentation</p> <p>The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.</p>									
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 base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

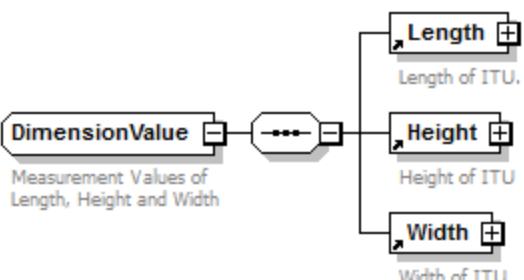
element DanGoodsType/DangerousGoodsVolume

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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> </xs:element></pre>

element DanGoodsType/LimitedQuantityIndicator

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	xs:boolean
properties	content simple
annotation	documentation Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID
source	<pre><xs:element name="LimitedQuantityIndicator" type="xs:boolean"> <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/2.4
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>

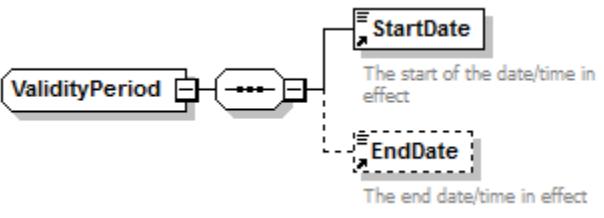
complexType LocationIdent

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	element s TrainRunningData/Activities/ActivityLocationIdent ArrivalTrackAtLocation DelayLocation DepartureJourneyTrack DepartureTrackAtLocation Destination ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance/DifferentAcceptancePoint EndLocation AffectedSection/EndOfSection IntermediateDestination JourneySection/JourneySectionDestination JourneySection/JourneySectionOrigin Location LocationActualTrack LocationPlannedTrack 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

children	TrainActivityType AssociatedAttachedTrainID AssociatedAttachedOTN
used by	elements TrainActivity TrainRunningData/Activities/TrainActivityType
source	<pre><xs:complexType <xs:sequence> <xs:element <xs:element <xs:element ref="AssociatedAttachedTrainID" minOccurs="0"/> <xs:element ref="AssociatedAttachedOTN" minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

complexType ValidityPeriod

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
children	StartDate EndDate
used by	elements LocationPrimaryInformation/FreightValidityPeriod LocationPrimaryInformation/PassengerValidityPeriod LocationValidityPeriod
source	<pre><xs:complexType <xs:sequence> <xs:element <xs:element ref="StartDate" /> minOccurs="0"/> </xs:sequence> </xs:complexType></pre>

simpleType CauseCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4											
type	Numeric4-4											
properties	base Numeric4-4											
used by	element CauseType											
facets	<table> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> <tr> <td>minInclusive</td> <td>0001</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>9999</td> <td></td> </tr> </table>			Kind	Value	Annotation	minInclusive	0001		maxInclusive	9999	
Kind	Value	Annotation										
minInclusive	0001											
maxInclusive	9999											
annotation	<p>documentation</p> <p>Cause of a damage or restriction</p>											
source	<pre><xs:simpleType <xs:annotation> <xs:documentation>Cause of a damage or restriction</xs:documentation> </xs:annotation> <xs:restriction base="Numeric4-4"/> </xs:simpleType></pre>											

simpleType CommunicationRefID

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:string
properties	base xs:string
used by	elements eMail FaxNumber PhoneNumber TrainContactDetails
facets	Kind Value Annotation minLength 1 maxLength 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/2.4
type	restriction of Numeric4-4
properties	base Numeric4-4
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 minInclusive 0001 maxInclusive 9999
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="Numeric4-4"> <xs:minInclusive value="0001"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType> </pre>

simpleType CountryIdentISO

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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/2.4
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/2.4
type	restriction of xs:string
properties	base xs:string
used by	element RollingStockDataset/DesignDataSet/DerailmentDetectionDevice
facets	Kind Value Annotation enumeration EDT 101 enumeration MDV 100 enumeration Non coded device
annotation	documentation Identification of derailment detection device equipped on the wagon. Element is mandatory if wagon is equipped with

	such The EDT MDV Non	following	values	are	device. defined: 101 100 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.</pre> <p>The following values are defined:</p> <ul style="list-style-type: none"> EDT MDV Non <pre></xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="EDT"/> <xs:enumeration value="MDV"/> <xs:enumeration value="Non"/> </xs:restriction> </xs:simpleType></pre>	coded			

simpleType EquipmentNumberType

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4											
type	restriction of xs:string											
properties	base xs:string											
used by	elements GoodsInWagon/ContainerNumber ITU_Details/Number											
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 Number of ITU											
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/2.4											
type	restriction of xs:token											
properties	base xs:token											
used by	element ITU_Type											
facets	<table> <thead> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> </thead> <tbody> <tr> <td>enumeration</td> <td>cn</td> <td>documentation</td> </tr> <tr> <td>enumeration</td> <td>sw</td> <td>Container documentation</td> </tr> </tbody> </table>			Kind	Value	Annotation	enumeration	cn	documentation	enumeration	sw	Container documentation
Kind	Value	Annotation										
enumeration	cn	documentation										
enumeration	sw	Container documentation										

	enumeration te	swap body 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/2.4		
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/2.4		
type	restriction of xs:string		
properties	base xs:string		
used by	elements AdditionalInstruction Address CauseDescription Comments ContractNumberMovement InterruptionPoint/DetailedDescriptionOfLocation FreeTextField GoodsDescription HandlingInstruction InternalReferenceIdentifier InterruptionDescription LocationSubsidiaryName MessageIdentifier ErrorMessage/ErrorCauseReference/MessageSenderReference Name PrimaryLocationName RelatedIdentifier RelatedSenderReference Remarks RouteInformation SenderReference 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 name="FreeText"> <xs:annotation> <xs:documentation>Clear Text in ISO Unicode character set</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:maxLength value="255"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </pre>		

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

simpleType Name

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 name="Name"> <xs:annotation> <xs:documentation>Name in Free Text</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:maxLength value="254"/> </xs:restriction> </xs:simpleType></pre>

simpleType NHMCodeType

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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	<pre><xs:simpleType name="NHMCodeType"> <xs:annotation> <xs:documentation>NHM Code</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:length value="6"/> <xs:pattern value="\d*[1-9]\d*"/> </xs:restriction> </xs:simpleType></pre>

simpleType Numeric1-5

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:positiveInteger
properties	base xs:positiveInteger
used by	elements RollingStockDataset/DesignDataSet/BoogiePivotPitch RollingStockDataset/DesignDataSet/HeightOfLoadingPlaneUnladen RollingStockDataset/DesignDataSet/InnerWheelbase LocationPrimaryCode

	RollingStockDataset/DesignDataSet/LoadTable/SpeedCategory
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
source	<pre><xs:simpleType name="Numeric1-5"> <xs:restriction base="xs:positiveInteger"> <xs:minInclusive value="1"/> <xs:maxInclusive value="99999"/></pre>

simpleType Numeric1-6

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:int
properties	base xs:int
facets	Kind Value Annotation minInclusive 1 maxInclusive 999999
source	<pre><xs:simpleType name="Numeric1-6"> <xs:restriction base="xs:int"> <xs:minInclusive value="1"/> <xs:maxInclusive value="999999"/></pre>

simpleType Numeric2-2

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
type	restriction of xs:integer
properties	base xs:integer
used by	element RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/CounterAcreditedRecognizedBody RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/EINYearMessageRoutingID RollingStockDataset/DesignDataSet/RemovableAccessories/NumberOfAccessorOfSpecType WagonTechData/TechnicalRestrictions AirBrake/NumberOfBrakes RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/TypeDocumentEIN attribute CI_InstanceNumber
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
source	<pre><xs:simpleType name="Numeric2-2"> <xs:restriction base="xs:integer"> <xs:minInclusive value="01"/> <xs:maxInclusive value="99"/></pre>

simpleType Numeric3-3

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
-----------	---

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 name="Numeric3-3"> <xs:restriction base="xs:integer"> <xs:minInclusive value="001"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType></pre>		

simpleType Numeric4-4

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:integer		
properties	base xs:integer		
used by	elements LengthOfSetOfCarriages RollingStockDataset/DesignDataSet/LoadTable/LoadTableProduct/ProductUNCode TrainLength simpleTypes CauseCode CompanyCode		
facets	Kind	Value	Annotation
	minInclusive	0001	
	maxInclusive	9999	
source	<pre><xs:simpleType name="Numeric4-4"> <xs:restriction base="xs:integer"> <xs:minInclusive value="0001"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType></pre>		

simpleType Speed

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	Numeric3-3		
properties	base Numeric3-3		
used by	elements HighestPlannedSpeed TrainMaxSpeed		
facets	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:restriction> </xs:simpleType></pre>		

simpleType String1-10

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:string		
properties	base xs:string		
used by	element LocationSubsidiaryCode		
facets	Kind	Value	Annotation
	minLength	1	
	maxLength	10	
source	<pre><xs:simpleType <xs:restriction <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType></pre> name="String1-10" base="xs:string" value="1"/> fixed="false"/>		

simpleType String1-14

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:string		
properties	base xs:string		
used by	element CustomerCode/PrimaryCode		
facets	Kind	Value	Annotation
	minLength	1	
	maxLength	14	
source	<pre><xs:simpleType <xs:restriction <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType></pre> name="String1-14" base="xs:string" value="1"/> value="14"/>		

simpleType String1-5

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:string		
properties	base xs:string		
used by	element DelayMinutes		
facets	Kind	Value	Annotation
	minLength	1	
	maxLength	5	
source	<pre><xs:simpleType <xs:restriction <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType></pre> name="String1-5" base="xs:string" value="1"/> value="5"/>		

simpleType String1-7

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
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 <xs:restriction <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType></pre> name="String1-7" base="xs:string" value="1"/> value="7"/> 		

simpleType String1-8

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:string		
properties	base xs:string		
used by	elements AssociatedAttachedOTN OperationalTrainNumber		
facets	Kind	Value	Annotation
	minLength	1	
	maxLength	8	
source	<pre><xs:simpleType <xs:restriction <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType></pre> name="String1-8" base="xs:string" value="1"/> value="8"/> 		

simpleType String5-5

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:string		
properties	base xs:string		
facets	Kind	Value	Annotation
	minLength	5	
	maxLength	5	
source	<pre><xs:simpleType <xs:restriction <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType></pre> name="String5-5" base="xs:string" value="5"/> value="5"/> 		

simpleType String5-8

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:string		
properties	base xs:string		
facets	Kind	Value	Annotation
	minLength	5	
	maxLength	8	
source	<pre><xs:simpleType <xs:restriction <xs:minLength <xs:maxLength </xs:restriction> </xs:simpleType></pre>		
	<code style="color:red;">name="String5-8"</code> <code style="color:red;">base="xs:string"</code> <code style="color:red;">value="5"/></code> <code style="color:blue;">value="8"/></code>		

simpleType Time

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	xs:time		
properties	base xs:time		
annotation	documentation Time expressed in HH:MM:SS		
source	<pre><xs:simpleType <xs:annotation> <xs:documentation>Time expressed in HH:MM:SS</xs:documentation> </xs:annotation> <xs:restriction </xs:simpleType></pre>		
	<code style="color:red;">name="Time"</code> <code style="color:red;">base="xs:time"/></code>		

simpleType VolumeValue

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
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 <xs:annotation> <xs:documentation>Volume value of the load units by cbm</xs:documentation> </xs:annotation> <xs:restriction </xs:simpleType></pre>		
	<code style="color:red;">name="VolumeValue"</code> <code style="color:red;">base="xs:float"/></code>		

simpleType WagonIdent

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:string		
properties	base xs:string		

used by	elements	WIMO Dataset/ConsignmentLevelData/PreviousWagonNumber RollingStockDataset/AdministrativeDataSet/PreviousWagonNumberFreight WagonNumberFreight
facets	Kind Value Annotation maxLength 12 pattern [0-9]{12}	
annotation	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.	
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/2.4	
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	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse	
annotation	documentation In Kilograms	
source	<pre> <xs:simpleType name="WeightValueKilo"> <xs:annotation> <xs:documentation>In Kilograms</xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="0"/> <xs:maxInclusive value="999999"/> <xs:whiteSpace value="collapse"/> </xs:restriction> </xs:simpleType> </pre>	

simpleType WeightValueTonne

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4	
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:documentation> </xs:annotation> <xs:restriction <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType></pre>	name="WeightValueTonne"> Tonnes</xs:documentation> base="xs:int"> value="1"/> value="99999"/>

attribute **CI_InstanceNumber**

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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. [taf_cat_codelists.xsd](#)

schema location: C:\Projects\TAF-TSI\taf_cat_codelists.xsd
 attributeFormDefault: unqualified
 elementFormDefault: qualified
 targetNamespace: <http://www.era.europa.eu/schemes/TAFTSI/2.4>

Elements	Simple types	Attributes
AirBrakeType	ConsignmentTypeCode	JourneyLocationTypeCode
BrakeSpecialCharacteristics	DelayCode	LocationSubsidiaryTypeCode
BrakeType	InfoIndex	TimingQualifierCode
BrakingPowerVariationDevice	MessageCode	
CombinedTrafficLoadProfile	RestrictionCodes	
ConsignmentOrderType	RunningStatus	
CouplingType	TrainCC_Syst	
DangerLabel	TypeOfIMHarmonizationCode	
HandBrakeType	TypeOfInformationCode	
InfoOnGoodsShapeTypeDanger	TypeOfRequestCode	
InteropCapability	TypeOfRUHarmonizationCode	
LivestockOrPeopleIndicator	UnitType	

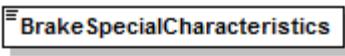
[LoadTableStars](#)
[MessageStatus](#)
[MRN_Type](#)
[NormalLoadingGauge](#)
[PackingGroup](#)
[RefusalCode](#)
[RouteClass](#)
[SpecialServiceDescriptionCode](#)
[TractionMode](#)
[TractionType](#)
[TrainCC_SystemCode](#)
[TrainRadioSystem](#)
[TrainType](#)
[TypeOfRemovableAccessories](#)
[WheelSetTransformationMethod](#)

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/2.4																					
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	
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enumeration	0																					
enumeration	1																					
enumeration	2																					
enumeration	3																					
enumeration	8																					
enumeration	9																					
annotation	documentation Classification of air brake. additional code: 8 No air brake or brake pipe The code is defined in UIC Leaflet 920-13.																					
source	<pre> <xs:element name="AirBrakeType"> <xs:annotation> <xs:documentation>Classification of air brake. additional code: 8 No air brake or brake pipe The code is defined in UIC Leaflet 920-13. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> </pre>																					

	<pre> <xss:enumeration> <xss:enumeration> <xss:enumeration> <xss:enumeration> <xss:enumeration> <xss:enumeration> </xss:restriction> </xss:simpleType> </xss:element> </pre>	value="0"/> value="1"/> value="2"/> value="3"/> value="8"/> value="9"/>
--	--	--

element BrakeSpecialCharacteristics

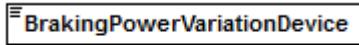
diagram																																																		
	General brake characteristics. The values refer to UIC leaflet 920-13: 0 = Cast Iron Brake Blocks 1 = Disc Brake 2 = K-Brake Blocks 3 = Cast Iron Brake Blocks, single release brake 4 = Composite Brake Blocks, single release brake 5 = L-Brake Blocks 6 = LL-Brake Blocks 9 = Unknown or non-coded information																																																	
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enumeration	6	documentation LL-Brake Blocks																																																
enumeration	9	documentation Unknown or non-coded information																																																
annotation	<p>documentation</p> <p>General brake characteristics. The values refer to UIC leaflet 920-13:</p> <table> <tbody> <tr> <td>0</td> <td>=</td> <td>Cast</td> <td>Iron</td> <td>Brake</td> <td>Blocks</td> </tr> <tr> <td>1</td> <td>=</td> <td></td> <td></td> <td>Disc</td> <td>Brake</td> </tr> <tr> <td>2</td> <td>=</td> <td></td> <td></td> <td>K-Brake</td> <td>Blocks</td> </tr> <tr> <td>3</td> <td>=</td> <td>Cast</td> <td>Iron</td> <td>Brake</td> <td>Blocks, single release brake</td> </tr> <tr> <td>4</td> <td>=</td> <td>Composite</td> <td>Brake</td> <td>Blocks, single release</td> <td>brake</td> </tr> <tr> <td>5</td> <td>=</td> <td></td> <td></td> <td>L-Brake</td> <td>Blocks</td> </tr> <tr> <td>6</td> <td>=</td> <td></td> <td></td> <td>LL-Brake</td> <td>Blocks</td> </tr> <tr> <td>9</td> <td>=</td> <td>Unknown</td> <td>or</td> <td>non-coded</td> <td>information</td> </tr> </tbody> </table>		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
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> <xss:element name="BrakeSpecialCharacteristics"> <xss:annotation> <xss:documentation> General brake characteristics. The values refer to UIC leaflet 920-13: </xss:documentation> </xss:annotation> </pre>																																																	

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>				
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		<xs:annotation>				
		<xs:documentation>Cast Iron Brake Blocks</xs:documentation>				
		</xs:annotation>				
		</xs:enumeration>				
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		<xs:annotation>				
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		</xs:annotation>				
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		<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:enumeration value="4">				
		<xs:annotation>				
		<xs:documentation>Composite Brake Blocks, single release				
		brake</xs:documentation>				
		</xs:annotation>				
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		</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>				

element **BrakeType**

diagram	 <p>Type of braking system.</p> <p>additional:</p> <p>X For indication: brake system of the freight wagon out of order (actually / current)</p>												
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
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>G</td> <td></td> </tr> <tr> <td>enumeration</td> <td>P</td> <td></td> </tr> <tr> <td>enumeration</td> <td>X</td> <td></td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	G		enumeration	P		enumeration	X	
Kind	Value	Annotation											
enumeration	G												
enumeration	P												
enumeration	X												
annotation	<p>documentation</p> <p>Type of braking system.</p> <p>additional:</p> <p>X For indication: brake system of the freight wagon out of order (actually / current)</p>												
source	<pre> <xs:element name="BrakeType"> <xs:annotation> <xs:documentation>Type of braking system. additional: X For indication: brake system of the freight wagon out of order (actually / current) </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="G"/> <xs:enumeration value="P"/> <xs:enumeration value="X"/> </xs:restriction> </xs:simpleType> </xs:element></pre>												

element **BrakingPowerVariationDevice**

diagram	 <p>Coding in 404-2, chapter 1.8</p>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>documentation no braked weight variation device</td> </tr> <tr> <td>enumeration</td> <td>1</td> <td>documentation</td> </tr> </tbody> </table>	Kind	Value	Annotation	enumeration	0	documentation no braked weight variation device	enumeration	1	documentation
Kind	Value	Annotation								
enumeration	0	documentation no braked weight variation device								
enumeration	1	documentation								

	enumeration 2 enumeration 8 enumeration 9	empty/loaded manual or automatic device with one changeover weight empty/loaded manual or automatic device with two or three changeover weights linear auto continuous device with indication of maximum braked weight documentation non-codable variation device
annotation	documentation Coding in 404-2, chapter 1.8	
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</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>empty/loaded manual or automatic device with one weight</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>empty/loaded manual or automatic device with two weights</xs:documentation> </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>

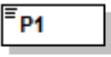
element CombinedTrafficLoadProfile

diagram	<pre> graph LR CTLP[CombinedTrafficLoadProfile] --- P1 CTLP --- P2 CTLP --- C1 CTLP --- C2 </pre> <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 ≤ 2500 mm. P2 requires the code in case the gauge of the semi-trailer is > 2500 mm ≤ 2600 mm • The other option refers to "C" (Swap body): C1 requires the code in case the gauge of the swap body is ≤ 2550 mm. C2 requires the code in case the gauge of the swap body is > 2550 mm ≤ 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. vValue for all 4 elements (P1, P2, C1, C2)</p>
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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 ≤ 2500 mm. P2 requires the code in case the gauge of the semi-trailer is > 2500 mm ≤ 2600 mm • The other option refers to "C" (Swap body): C1 requires the code in case the gauge of the swap body is ≤ 2550 mm. C2 requires the code in case the gauge of the swap body is > 2550 mm ≤ 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. vValue for all 4 elements (P1, P2, C1, C2)</p>
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.</pre> <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 ≤ 2500 mm. P2 requires the code in case the gauge of the semi-trailer is > 2500 mm ≤ 2600 mm • The other option refers to "C" (Swap body): C1 requires the code in case the gauge of the swap body is ≤ 2550 mm. C2 requires the code in case the gauge of the swap body is > 2550 mm ≤ 2600 mm

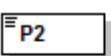
	<ul style="list-style-type: none"> The RUs may indicate the relevant values if they are familiar with the IMs line profiles. In case there is a path request for a train with combined traffic load, the IM should indicate the possible max. vValue for all 4 elements (P1, P2, C1, C2) <pre> </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="P1"> <xs:annotation> <xs:documentation>P1 requires the code in case the gauge of the semi-trailer is ≤ 2500 mm.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive base="xs:integer"> value="001"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="P2"> <xs:annotation> <xs:documentation>P2 requires the code in case the gauge of the semi-trailer is > 2500 mm ≤ 2600 mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> value="001"/> value="999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="C1"> <xs:simpleType> <xs:annotation> <xs:documentation>C1 requires the code in case the gauge of the body is ≤ 2550 mm.</xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> value="001"/> value="999"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="C2"> <xs:annotation> <xs:documentation>C2 requires the code in case the gauge of the body is > 2550 mm ≤ 2600 mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> value="001"/> value="999"/> </xs:restriction> </xs:simpleType> </xs:element> </xs:sequence> </pre>
swap	
swap	

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

element CombinedTrafficLoadProfile/P1

diagram	 P1 requires the code in case the gauge of the semi-trailer is ≤ 2500 mm.									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>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 P1 requires the code in case the gauge of the semi-trailer is ≤ 2500 mm.									
source	<pre> <xs:element name="P1"> <xs:annotation> <xs:documentation>P1 requires the code in case the gauge of the semi-trailer is ≤ 2500 mm.</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 CombinedTrafficLoadProfile/P2

diagram	 P2 requires the code in case the gauge of the semi-trailer is > 2500 mm ≤ 2600 mm									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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>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 P2 requires the code in case the gauge of the semi-trailer is > 2500 mm ≤ 2600 mm									
source	<pre> <xs:element name="P2"> <xs:annotation> <xs:documentation>P2 requires the code in case the gauge of the semi-trailer is > 2500 mm ≤ 2600 mm.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <base>"xs:integer"</base> <value>"001"</value> <value>"999"</value> </xs:restriction> </xs:simpleType> </xs:element> </pre>									

	<pre> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </pre>	value="001"/> value="999"/>
--	---	--

element CombinedTrafficLoadProfile/C1

diagram											
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4										
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>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										
source	<pre> <xs:element <xs:simpleType> <xs:annotation> <xs:documentation>C1 requires the code in case the gauge of the swap body is ≤ 2550 mm.</xs:documentation> </xs:annotation> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </pre>	name="C1"> base="xs:integer"> value="001"/> value="999"/>									

element CombinedTrafficLoadProfile/C2

diagram		C2 requires the code in case the gauge of the swap body is > 2550 mm ≤ 2600 mm									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4										
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>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	C2 requires the code in case the gauge of the swap body is > 2550 mm ≤ 2600 mm									
source	<pre> <xs:element <xs:annotation> <xs:documentation>C2 requires the code in case the gauge of the swap body is > 2550 mm ≤ 2600 mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction> <xs:minInclusive <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </pre>	name="C2"> base="xs:integer"> value="001"/>									

	<pre> <xs:maxInclusive </xs:restriction> </xs:simpleType> </xs:element> </pre>	<code>value="999"/></code>
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element ConsignmentOrderType

diagram	<pre> ConsignmentOrderType </pre> <p>Preliminary list of messages, by now restricted on different types of consignment orders. CIM: none.</p> <p>ORU: original consignment order message from origin location</p> <p>ORX: update for consignment order from origin location</p> <p>ORD: deletion for consignment order from origin location</p> <p>TRU : original transit consignment order</p> <p>TRX: update for transit consignment order</p> <p>TRD: deletion of transit consignment order</p> <p>DRU : original consignment order to destination location</p> <p>DRX: update for consignment order to destination location</p> <p>DRD: deletion of consignment order to destination location</p>																																								
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																																								
type	restriction of xs:token																																								
properties	content simple																																								
facets	<table border="0"> <tr> <td>Kind</td> <td>enumeration</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td></td> <td>ORU</td> <td>documentation</td> <td>Subset for RU which fetches consignment at origin.</td> </tr> <tr> <td></td> <td>ORX</td> <td>documentation</td> <td>Update for ORU</td> </tr> <tr> <td></td> <td>ORD</td> <td>documentation</td> <td>Deletion of ORU</td> </tr> <tr> <td></td> <td>TRU</td> <td>documentation</td> <td>Subset for transit RU</td> </tr> <tr> <td></td> <td>TRX</td> <td>documentation</td> <td>Update for TRU</td> </tr> <tr> <td></td> <td>TRD</td> <td>documentation</td> <td>Deletion of TRU</td> </tr> <tr> <td></td> <td>DRU</td> <td>documentation</td> <td>Subset for RU which takes consignment to destination</td> </tr> <tr> <td></td> <td>DRX</td> <td>documentation</td> <td>Update for DRU</td> </tr> <tr> <td></td> <td>DRD</td> <td>documentation</td> <td>Deletion for DRU</td> </tr> </table>	Kind	enumeration	Value	Annotation		ORU	documentation	Subset for RU which fetches consignment at origin.		ORX	documentation	Update for ORU		ORD	documentation	Deletion of ORU		TRU	documentation	Subset for transit RU		TRX	documentation	Update for TRU		TRD	documentation	Deletion of TRU		DRU	documentation	Subset for RU which takes consignment to destination		DRX	documentation	Update for DRU		DRD	documentation	Deletion for DRU
Kind	enumeration	Value	Annotation																																						
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annotation	<p>documentation</p> <p>Preliminary list of messages, by now restricted on different types of consignment orders. CIM: none.</p> <p>ORU: original consignment order message from origin location</p> <p>ORX: update for consignment order from origin location</p> <p>ORD: deletion for consignment order from origin location</p> <p>TRU : original transit consignment order</p> <p>TRX: update for transit consignment order</p> <p>TRD: deletion of transit consignment order</p> <p>DRU : original consignment order to destination location</p> <p>DRX: update for consignment order to destination location</p> <p>DRD: deletion of consignment order to destination location</p>																																								

	DRD: deletion of consignment order to destination location
source	<pre> <xs:element name="ConsignmentOrderType"> <xs:annotation> <xs:documentation>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 </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="ORU"> <xs:annotation> <xs:documentation>Subset for RU which fetches consignment at origin.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="ORX"> <xs:annotation> <xs:documentation>Update for ORU</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="ORD"> <xs:annotation> <xs:documentation>Deletion of ORU</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="TRU"> <xs:annotation> <xs:documentation>Subset for transit RU</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="TRX"> <xs:annotation> <xs:documentation>Update for TRU</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="TRD"> <xs:annotation> <xs:documentation>Deletion of TRU</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="DRU"> <xs:annotation> </pre>

	<pre> <xs:documentation>Subset for RU which takes consignment to destination</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Update for DRU</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Deletion for DRU</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:element> </pre>
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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/2.4																		
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> </tbody> </table>	Kind	Value	Annotation	enumeration	0		enumeration	1		enumeration	2		enumeration	3		enumeration	4	
Kind	Value	Annotation																	
enumeration	0																		
enumeration	1																		
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enumeration	3																		
enumeration	4																		
annotation	<p>documentation</p> <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>																		
source	<pre> <xs:element <xs:annotation> <xs:documentation>Classification of coupling:</xs:documentation> 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 </xs:annotation> name="CouplingType"> </pre>																		

	<pre> </xs:documentation> </xs:annotation> <xssimpleType> <xs:restriction> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:enumeration> </xs:restriction> </xssimpleType> </xs:element> </pre>	<pre> base="xs:token"> value="0"/> value="1"/> value="2"/> value="3"/> value="4"/> </pre>
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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
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4

type	restriction of xs:token				
properties	content simple				
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	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			
annotation	documentation 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).				
	1 Explosive	Model materials,	13 and 15 divisions	CODE: 1.1, 1.2	OTIF and 1.3 RID-Specification.
	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 radioactive	information	about class 7 material
	7E Fissile				substances
	8 Corrosive				articles
	9 Miscellaneous		dangerous	substances	
source	<pre> <xs:element name="DangerLabel"> <xs:annotation> <xs:documentation>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).</pre>				

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			

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element HandBrakeType

diagram	 <p>Classification of hand brake:</p> <table border="0"> <tr><td>0</td><td>No hand brake</td></tr> <tr><td>1</td><td>Ground-operated hand brake</td></tr> <tr><td>2</td><td>Platform-operated hand brake</td></tr> </table>	0	No hand brake	1	Ground-operated hand brake	2	Platform-operated hand brake						
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namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
type	restriction of xs:token												
properties	content simple												
facets	<table border="0"> <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> </tbody> </table>	Kind	Value	Annotation	enumeration	0		enumeration	1		enumeration	2	
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enumeration	1												
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source	<pre> <xs:element name="HandBrakeType"> <xs:annotation> <xs:documentation>Classification of hand brake:</xs:documentation> <xs:enumeration value="0">No hand brake</xs:enumeration> <xs:enumeration value="1">Ground-operated hand brake</xs:enumeration> <xs:enumeration value="2">Platform-operated hand brake</xs:enumeration> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>												

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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	<p><xs:documentation>Additional codified information on the load. Coding Structures as defined in 404-2 chapter 4.1 Codes to add are given in the table below:</p> <p>96 Environmentally hazardous substance (RID 5.2.1.8) 97 More than 8 tons of dangerous goods packaged in limited quantities (LQ)</p> <p>The following documentation serves for the existing codes:</p> <p>1 Container</p> <p>2 Other intermodal traffic</p> <p>3 Rolling road (RR)</p> <p>6 Semi-Trailer on bogies</p> <p>10 1 - danger of explosion (subclass 1.1, 1.2, 1.3)</p> <p>14 1.4 - danger of explosion (subclass 1.4)</p> <p>15 1.5 - danger of explosion (subclass 1.5)</p> <p>16 1.6 - danger of explosion (subclass 1.6)</p> <p>21 2.1 - inflammable gases</p> <p>22 2.2 - non inflammable,non-toxic gases</p> <p>23 2.3 - toxic gases</p> <p>30 3 - fire hazard (inflammable liquids)</p> <p>41 4.1 - fire hazard (inflammable solids)</p> <p>42 4.2 - spontaneously inflammable</p> <p>43 4.3 - gives off inflammable gas on contact with water</p> <p>51 5.1 - combustible substance</p> <p>52 5.2 - organic peroxide</p> <p>61 6.1 - toxic substance</p> <p>62 6.2 - infectious substance</p> <p>71 7A - radioactive substance in category I packing WHITE</p> <p>72 7B - radioactive substance in category II packing YELLOW</p> <p>73 7C - radioactive substance in category III packing YELLOW</p> <p>74 7D - Common label for radioactive substances included under 7A, 7B + 7C</p> <p>75 7E - fissile substance</p> <p>80 8 - corrosive substance</p> <p>90 Various dangerous substance and objects not covered by the other classes</p> <p>98 Livestock</p> <p>99 Perishables</p>
	<p></xs:documentation></p> <p></xs:annotation></p> <p><xs:simpleType></p> <p><xs:restriction base="xs:token"></p> <p><xs:enumeration value="01"/></p> <p><xs:enumeration value="02"/></p> <p><xs:enumeration value="03"/></p> <p><xs:enumeration value="06"/></p> <p><xs:enumeration value="98"/></p> <p><xs:enumeration value="99"/></p> <p><xs:enumeration value="10"/></p> <p><xs:enumeration value="14"/></p> <p><xs:enumeration value="15"/></p> <p><xs:enumeration value="16"/></p> <p><xs:enumeration value="21"/></p> <p><xs:enumeration value="22"/></p> <p><xs:enumeration value="23"/></p> <p><xs:enumeration value="30"/></p> <p><xs:enumeration value="41"/></p> <p><xs:enumeration value="42"/></p>

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element InteropCapability

diagram	 <p>Identification of the general interoperability capability of the wagon The following values/codes are proposed for the usage:</p> <ul style="list-style-type: none"> 01 = National 02 = Bi-/Multilateral (with agreement or authorisation grid) 03 = RIV 05 = TEN 06 = TEN-GE 07 = TEN-CW 08 = TEN RIV 																											
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																											
type	restriction of xs:integer																											
properties	content simple																											
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Kind	Value	Annotation																										
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annotation	<p>documentation</p> <p>Identification of the general interoperability capability of the wagon The following values/codes are proposed for the usage:</p> <table> <tbody> <tr> <td>01</td> <td>=</td> <td>National</td> </tr> <tr> <td>02</td> <td>=</td> <td>Bi-/Multilateral (with agreement or authorisation grid)</td> </tr> <tr> <td>03</td> <td>=</td> <td>RIV</td> </tr> </tbody> </table>	01	=	National	02	=	Bi-/Multilateral (with agreement or authorisation grid)	03	=	RIV																		
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	05 = TEN
	06 = TEN-GE
	07 = TEN-CW
	08 = TEN RIV
source	<pre> <xs:element name="InteropCapability"> <xs:annotation> <xs:documentation>Identification of the general interoperability capability of the wagon. The following values/codes are proposed for the usage: 01 = Bi-/Multilateral (with agreement or authorisation grid) 03 = RIV 05 = TEN 06 = TEN-GE 07 = TEN-CW 08 = TEN RIV</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:totalDigits value="2"/> <xs:enumeration value="01"/> <xs:enumeration value="02"/> <xs:enumeration value="03"/> <xs:enumeration value="04"/> <xs:enumeration value="05"/> <xs:enumeration value="07"/> <xs:enumeration value="08"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

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>									
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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									

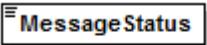
annotation	documentation Indicates that livestock and people (other than train crew) will be carried. Coding: if live animals or people are transported = 1, in opposite case = 0. If code = 1, then at the wagon level for at least one wagon Info- Goods Shape, Type and Danger has to include the code '98' or Restrictions due to Load or Damage has to include code '09.'
source	<pre> <xs:element name="LivestockOrPeopleIndicator"> <xs:annotation> <xs:documentation>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.'</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 LoadTableStars

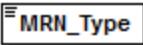
diagram	 <p>Number of load table stars. Currently recognized values/codes: 1 = Authorised to run loaded in trains up to 100 km/h with a brake that does not meet all the requirements for 100 km/h conditions 2 = Authorised to run loaded in trains up to 120 km/h with a brake that does not meet all the requirements 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.</p>															
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Kind	Value	Annotation														
totalDigits	1															
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source	<pre> <xs:element name="LoadTableStars"> <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:simpleType> <xs:restriction base="xs:integer"> <xs:totalDigits value="1"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element MessageStatus

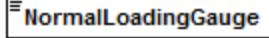
diagram	 <p>Assigned by the Sender 1=creation, 2=modification, 3=deletion</p>												
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element MRN_Type

diagram																			
	<p>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</p>																		
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	<pre><xs:enumeration value="MRN-E"> <xs:annotation> <xs:documentation>if an EXPORT declaration has been lodged</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="MRN-T"> <xs:annotation> <xs:documentation>if a TRANSIT declaration has been lodged</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="MRN-TS"> <xs:annotation> <xs:documentation>if a TRANSIT declaration with SECURITY data has been lodged</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="MRN-EXS"> <xs:annotation> <xs:documentation>if the EXIT SUMMARY declaration has been made separately by the consignor</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="MRN-ENS"> <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>Wagon or load gauge code used in UK, coded in UIC 505-1 and 503:</p> <p>All codes are defined in the UIC Leaflet 505-1 and 503, as well as in the EN 15273-2. 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. For the new ones, use the table below.</p> <p>Candidate: G1, G2, GA, GB, GC, CM, CE, M2, M3, M4, GB1, GB2, GB-M6, GHE16, W6-A.</p> <p>Lately added: G1 Annex A.3 G2 Annex E.1.2 GB2 Annex C.1.2 GB-M6 Annex N.4 (annex currently in preparation) GHE16 Annex P.3 W6-A W6a is designed for non-bogied wagons with axle spacings of 12.8m (42'), and 18.3m length (60')</p>																																																			
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	<p>G1, G2, GA, GB, GC, CM, CE, M2, M3, M4, GB1, GB2, GB-M6, GHE16, W6-A. Lately G1 Annex G2 Annex GB2 Annex GB-M6 Annex N.4 (annex currently in preparation) GHE16 Annex W6-A (60') W6a is designed for non- bogied wagons with axle spacings of 12.8m (42'), and 18.3m length (60')</p>
source	<pre> <xs:element name="NormalLoadingGauge"> <xs:annotation> <xs:documentation>Wagon or load gauge code used in UK, coded in UIC 505-1 and 503: All codes are defined in the UIC Leaflet 505-1 and 503, as well as in the EN 15273-2. 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. For the new ones, use the table below. Candidate: G1, G2, GA, GB, GC, CM, CE, M2, M3, M4, GB1, GB2, GB-M6, GHE16, W6-A. Lately G1 Annex G2 Annex GB2 Annex GB-M6 Annex N.4 (annex currently in preparation) GHE16 Annex W6-A W6a is designed for non- bogied wagons with axle spacings of 12.8m (42'), and 18.3m length (60') </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="CM"/> <xs:enumeration value="CE"/> <xs:enumeration value="M2"/> <xs:enumeration value="M3"/> <xs:enumeration value="M4"/> <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 The description of the codes is taken from: RID chapter 3.2, table A, column 4 II Medium danger III Low danger</p>												
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type	restriction of xs:token												
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	<pre> <xs:enumeration </xs:restriction> </xs:simpleType> </xs:element> </pre>	<code>value="III"/></code>
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element RefusalCode

diagram	 <p>Code List Candidate: 1 = Data not authorised by Wagon Keeper 2 = Wagon number freight unknown</p>										
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4										
type	restriction of xs:integer										
properties	content simple										
facets	<table border="1" style="width: 100%; border-collapse: collapse;"> <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	
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enumeration	1										
enumeration	2										
annotation	<p>documentation</p> <p>Code List Candidate: 1 = Data not authorised by Wagon Keeper 2 = Wagon number freight unknown</p>										
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element **RouteClass**

diagram	 <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>																																																																																	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																																																																																	
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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>minLength</td> <td>1</td> <td></td> </tr> <tr> <td>maxLength</td> <td>3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>A</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B1</td> <td></td> </tr> <tr> <td>enumeration</td> <td>B2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>C</td> <td></td> </tr> <tr> <td>enumeration</td> <td>C2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>C3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>C4</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CM</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CM2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CM3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CM4</td> <td></td> </tr> <tr> <td>enumeration</td> <td>CE</td> <td></td> </tr> <tr> <td>enumeration</td> <td>D</td> <td></td> </tr> <tr> <td>enumeration</td> <td>D2</td> <td></td> </tr> <tr> <td>enumeration</td> <td>D3</td> <td></td> </tr> <tr> <td>enumeration</td> <td>D4</td> <td></td> </tr> <tr> <td>enumeration</td> <td>D5</td> <td></td> </tr> <tr> <td>enumeration</td> <td>E</td> <td></td> </tr> <tr> <td>enumeration</td> <td>E4</td> <td></td> </tr> <tr> <td>enumeration</td> <td>E5</td> <td></td> </tr> <tr> <td>enumeration</td> <td>E6</td> <td></td> </tr> <tr> <td>enumeration</td> <td>F</td> <td></td> </tr> <tr> <td>enumeration</td> <td>G</td> <td></td> </tr> </tbody> </table>	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	
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source	<xs:element name="RouteClass">																																																																																	

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element **SpecialServiceDescriptionCode**

diagram	 <p>Service on a Train according to TAP Code List B.4.716</p>																					
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																					
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>3</td> <td>documentation</td> </tr> <tr> <td></td> <td></td> <td>Additional loading</td> </tr> <tr> <td>enumeration</td> <td>4</td> <td>documentation</td> </tr> <tr> <td></td> <td></td> <td>Additional unloading</td> </tr> <tr> <td>enumeration</td> <td>5</td> <td>documentation</td> </tr> <tr> <td></td> <td></td> <td>Breakfast</td> </tr> </table>	Kind	Value	Annotation	enumeration	3	documentation			Additional loading	enumeration	4	documentation			Additional unloading	enumeration	5	documentation			Breakfast
Kind	Value	Annotation																				
enumeration	3	documentation																				
		Additional loading																				
enumeration	4	documentation																				
		Additional unloading																				
enumeration	5	documentation																				
		Breakfast																				

	enumeration 6	documentation Dinner
	enumeration 7	documentation Loading
	enumeration 8	documentation Lunch
	enumeration 9	documentation Unloading
	enumeration 11	documentation Child
	enumeration 21	documentation Cold buffet
	enumeration 22	documentation Restaurant in 1st class only
	enumeration 23	documentation Hot buffet
	enumeration 24	documentation Meal included for 1st class passengers
	enumeration 25	documentation Trolley
	enumeration 26	documentation Snack
	enumeration 27	documentation Disabled
	enumeration 28	documentation Movies
	enumeration 29	documentation Business
	enumeration 30	documentation Nursery
	enumeration 31	documentation Buffet
	enumeration 32	documentation Special services for military
	enumeration 33	documentation Boarding possible 2 hours before departure
	enumeration 34	documentation Alighting possible until 2 hours after arrival
	enumeration 35	documentation Boarding possible 30 minutes before departure
	enumeration 36	documentation Alighting possible until 30 minutes after arrival
	enumeration 37	documentation Postal services
	enumeration 38	documentation Meal at the seat
	enumeration 39	documentation Self service
	enumeration 40	documentation Overnight stay
	enumeration 41	documentation Luggage transport
	enumeration 42	documentation Luggage transport excluded
	enumeration 43	documentation Music
	enumeration 44	documentation Check-in
	enumeration 45	documentation Check-out
annotation	documentation Service on a Train according to TAP Code List B.4.716	
source	<pre> <xs:element name="SpecialServiceDescriptionCode"> <xs:annotation> <xs:documentation>Service on a Train according to TAP Code List B.4.716</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="3"> <xs:annotation></pre>	

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element **TractionMode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4
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>11</td><td></td></tr> <tr><td>maxInclusive</td><td>99</td><td></td></tr> <tr><td>enumeration</td><td>11</td><td></td></tr> <tr><td>enumeration</td><td>21</td><td></td></tr> <tr><td>enumeration</td><td>31</td><td></td></tr> <tr><td>enumeration</td><td>41</td><td></td></tr> <tr><td>enumeration</td><td>51</td><td></td></tr> <tr><td>enumeration</td><td>61</td><td></td></tr> <tr><td>enumeration</td><td>12</td><td></td></tr> <tr><td>enumeration</td><td>22</td><td></td></tr> <tr><td>enumeration</td><td>32</td><td></td></tr> <tr><td>enumeration</td><td>42</td><td></td></tr> <tr><td>enumeration</td><td>52</td><td></td></tr> <tr><td>enumeration</td><td>62</td><td></td></tr> <tr><td>enumeration</td><td>13</td><td></td></tr> <tr><td>enumeration</td><td>23</td><td></td></tr> <tr><td>enumeration</td><td>33</td><td></td></tr> <tr><td>enumeration</td><td>43</td><td></td></tr> <tr><td>enumeration</td><td>53</td><td></td></tr> <tr><td>enumeration</td><td>63</td><td></td></tr> <tr><td>enumeration</td><td>14</td><td></td></tr> <tr><td>enumeration</td><td>24</td><td></td></tr> <tr><td>enumeration</td><td>34</td><td></td></tr> <tr><td>enumeration</td><td>44</td><td></td></tr> <tr><td>enumeration</td><td>54</td><td></td></tr> <tr><td>enumeration</td><td>64</td><td></td></tr> <tr><td>enumeration</td><td>15</td><td></td></tr> <tr><td>enumeration</td><td>25</td><td></td></tr> <tr><td>enumeration</td><td>35</td><td></td></tr> <tr><td>enumeration</td><td>45</td><td></td></tr> <tr><td>enumeration</td><td>55</td><td></td></tr> <tr><td>enumeration</td><td>65</td><td></td></tr> <tr><td>enumeration</td><td>16</td><td></td></tr> <tr><td>enumeration</td><td>26</td><td></td></tr> <tr><td>enumeration</td><td>36</td><td></td></tr> <tr><td>enumeration</td><td>46</td><td></td></tr> <tr><td>enumeration</td><td>56</td><td></td></tr> <tr><td>enumeration</td><td>66</td><td></td></tr> </tbody> </table>	Kind	Value	Annotation	minInclusive	11		maxInclusive	99		enumeration	11		enumeration	21		enumeration	31		enumeration	41		enumeration	51		enumeration	61		enumeration	12		enumeration	22		enumeration	32		enumeration	42		enumeration	52		enumeration	62		enumeration	13		enumeration	23		enumeration	33		enumeration	43		enumeration	53		enumeration	63		enumeration	14		enumeration	24		enumeration	34		enumeration	44		enumeration	54		enumeration	64		enumeration	15		enumeration	25		enumeration	35		enumeration	45		enumeration	55		enumeration	65		enumeration	16		enumeration	26		enumeration	36		enumeration	46		enumeration	56		enumeration	66		
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enumeration	56																																																																																																																						
enumeration	66																																																																																																																						
annotation	<p>documentation</p> <p>Identifies the mode of deployment of a traction within a train role</p> <p>First digit – traction role</p> <p>Second digit – position in group of traction units with the same role</p> <table> <tbody> <tr><td>11</td><td>Train traction</td><td>1st traction unit in the group</td></tr> <tr><td>21</td><td>Intermediate traction</td><td>1st traction unit in the group</td></tr> <tr><td>31</td><td>Banking locomotive</td><td>1st traction unit in the group</td></tr> <tr><td>41</td><td>Banking locomotive not coupled</td><td>1st traction unit in the group</td></tr> <tr><td>51</td><td>No Leading Engine</td><td>1st traction unit in the group</td></tr> <tr><td>61</td><td>Train Traction in a push-pull train</td><td>1st traction unit in the group</td></tr> <tr><td>12</td><td>Train traction</td><td>2nd traction unit in the group</td></tr> <tr><td>22</td><td>Intermediate traction</td><td>2nd traction unit in the group</td></tr> <tr><td>32</td><td>Banking locomotive</td><td>2nd traction unit in the group</td></tr> </tbody> </table>	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	61	Train Traction in a push-pull train	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																																																																																											
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	42 Banking locomotive not coupled 2nd traction unit in the group
	52 No Leading Engine 2nd traction unit in the group
	62 Train Traction in a push-pull train 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
	63 Train Traction in a push-pull train 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
	64 Train Traction in a push-pull train 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
	65 Train Traction in a push-pull train 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
	66 Train Traction in a push-pull train 6th traction unit in the group
source	<pre> <xs:element name="TractionMode"> <xs:annotation> <xs: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 61 Train Traction in a push-pull train 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 62 Train Traction in a push-pull train 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 63 Train Traction in a push-pull train 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 64 Train Traction in a push-pull train 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 </pre>

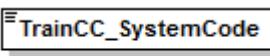
	<pre> 65 Train Traction in a push-pull train 5th traction unit in the group 16 Train traction 6th traction unit in the group 26 Intermediate traction 6th traction unit in the group 36 Banking locomotive 6th traction unit in the group 46 Banking locomotive not coupled 6th traction unit in the group 56 No Leading Engine 6th traction unit in the group 66 Train Traction in a push-pull train 6th traction unit in the group </xs:documentation> </xs:annotation> <xs:simpleType> <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="61"/> <xs:enumeration value="12"/> <xs:enumeration value="22"/> <xs:enumeration value="32"/> <xs:enumeration value="42"/> <xs:enumeration value="52"/> <xs:enumeration value="62"/> <xs:enumeration value="13"/> <xs:enumeration value="23"/> <xs:enumeration value="33"/> <xs:enumeration value="43"/> <xs:enumeration value="53"/> <xs:enumeration value="63"/> <xs:enumeration value="14"/> <xs:enumeration value="24"/> <xs:enumeration value="34"/> <xs:enumeration value="44"/> <xs:enumeration value="54"/> <xs:enumeration value="64"/> <xs:enumeration value="15"/> <xs:enumeration value="25"/> <xs:enumeration value="35"/> <xs:enumeration value="45"/> <xs:enumeration value="55"/> <xs:enumeration value="65"/> <xs:enumeration value="16"/> <xs:enumeration value="26"/> <xs:enumeration value="36"/> <xs:enumeration value="46"/> <xs:enumeration value="56"/> <xs:enumeration value="66"/> </xs:restriction> </xs:simpleType> </xs:element></pre>
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element **TractionType**

diagram	<p>TractionType</p> <p>Identifies the type of a locomotive:</p> <p>First digit:</p> <ul style="list-style-type: none"> "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) <p>Second digit (definitions in chapter 2.2.2 of the LOC and PAS TSI 1302/2014):</p> <ul style="list-style-type: none"> "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 																																																			
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																																																			
type	restriction of xs:token																																																			
properties	content simple																																																			
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annotation	<p>documentation</p> <p>Identifies the type of a locomotive:</p> <p>First digit:</p> <ul style="list-style-type: none"> "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) <p>Second digit (definitions in chapter 2.2.2 of the LOC and PAS TSI 1302/2014):</p> <ul style="list-style-type: none"> "0" = not specified "1" = locomotive or power unit "2" = trainset or multiple unit or railcar "3" = shunter 																																																			

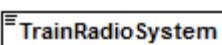
	"4" = on track machine or infrastructure inspection vehicle
source	<pre> <xs:element name="TractionType"> <xs:annotation> <xs:documentation>Identifies the type of a locomotive: First digit: not specified "0" = not specified "1" = external electric power supply for traction (catenary and pantograph, third 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:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="01"/> <xs:enumeration value="02"/> <xs:enumeration value="03"/> <xs:enumeration value="04"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/> <xs:enumeration value="13"/> <xs:enumeration value="14"/> <xs:enumeration value="21"/> <xs:enumeration value="22"/> <xs:enumeration value="23"/> <xs:enumeration value="24"/> <xs:enumeration value="31"/> <xs:enumeration value="32"/> <xs:enumeration value="33"/> <xs:enumeration value="34"/> </xs:restriction> </xs:simpleType> </xs:element></pre>

element TrainCC_SystemCode

diagram	 Type of Train Control System												
namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
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>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> </tbody> </table>	Kind	Value	Annotation	enumeration	01		enumeration	02		enumeration	03	
Kind	Value	Annotation											
enumeration	01												
enumeration	02												
enumeration	03												

	enumeration 04 enumeration 05 enumeration 06 enumeration 11 enumeration 12 enumeration 21 enumeration 22 enumeration 31 enumeration 32 enumeration 91 enumeration
annotation	documentation Type of Train Control System
source	<pre> <xs:element name="TrainCC_SystemCode"> <xs:annotation> <xs:documentation>Type of Train Control System</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="01"/> <xs:enumeration value="02"/> <xs:enumeration value="03"/> <xs:enumeration value="04"/> <xs:enumeration value="05"/> <xs:enumeration value="06"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/> <xs:enumeration value="21"/> <xs:enumeration value="22"/> <xs:enumeration value="31"/> <xs:enumeration value="32"/> <xs:enumeration value="91"/> <xs:enumeration value=""/> </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/2.4									
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	documentation The on board radio system of the train in coded format									
source	<pre> <xs:element name="TrainRadioSystem"> <xs:annotation></pre>									

	<pre> <xs:documentation>The on board radio system of the train in coded format</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction <xs:enumeration <xs:enumeration </xs:restriction> </xs:simpleType> </xs:element> </pre> <p style="color: red; margin-left: 200px;"> base="xs:token"> value="1"/></p> <p style="color: blue; margin-left: 200px;"> value="2"/> </p>
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element TrainType

diagram																																																																																	
	<p>1 Passenger train Commercial train with passenger coaches or trainsets Empty run of Train with passenger coaches or trainsets Including Crew train (for Train Crew Members) 2 Freight train Train with freight wagons 3 Light engine (locomotive train) One or more engines without any carriages 4 Engineering train Train for measurement, maintenance, instructions, homologation, etc 0 Other Train types that are not covered with the four codes given above can be codified as "other" in the messages Passenger with Freight - military trains, the Overnight Express; Royalty, Head of States</p>																																																																																
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annotation	<p>documentation</p> <table border="0"> <tr> <td>Empty run of Train with</td> <td>1</td> <td>Passenger train</td> <td>Commercial train with passenger coaches or trainsets</td> </tr> <tr> <td>Including Crew</td> <td>Train</td> <td>with</td> <td>passenger coaches or trainsets</td> </tr> <tr> <td>2 Freight train</td> <td>Train</td> <td>(for</td> <td>Train Crew Members)</td> </tr> <tr> <td>3 Light engine (locomotive train)</td> <td>One</td> <td>or</td> <td>freight wagons</td> </tr> <tr> <td>4 Engineering train</td> <td>more</td> <td>engines</td> <td>without any carriages</td> </tr> <tr> <td>0 Other Train types</td> <td>without</td> <td>any</td> <td>carriages</td> </tr> <tr> <td>the</td> <td>covered</td> <td>engines</td> <td>homologation, etc</td> </tr> <tr> <td></td> <td>with</td> <td>instructions,</td> <td></td> </tr> <tr> <td></td> <td>the</td> <td>measurement,</td> <td></td> </tr> <tr> <td></td> <td>four</td> <td>maintenance,</td> <td></td> </tr> <tr> <td></td> <td>codes</td> <td>homologation,</td> <td></td> </tr> <tr> <td></td> <td>given</td> <td>etc</td> <td></td> </tr> <tr> <td></td> <td>above</td> <td>instructions,</td> <td></td> </tr> <tr> <td></td> <td>can</td> <td>homologation,</td> <td></td> </tr> <tr> <td></td> <td>be</td> <td>instructions,</td> <td></td> </tr> <tr> <td></td> <td>codified</td> <td>homologation,</td> <td></td> </tr> <tr> <td></td> <td>as</td> <td>instructions,</td> <td></td> </tr> <tr> <td></td> <td>"other"</td> <td>homologation,</td> <td></td> </tr> <tr> <td></td> <td>in</td> <td>instructions,</td> <td></td> </tr> <tr> <td></td> <td>the</td> <td>messages</td> <td></td> </tr> </table>	Empty run of Train with	1	Passenger train	Commercial train with passenger coaches or trainsets	Including Crew	Train	with	passenger coaches or trainsets	2 Freight train	Train	(for	Train Crew Members)	3 Light engine (locomotive train)	One	or	freight wagons	4 Engineering train	more	engines	without any carriages	0 Other Train types	without	any	carriages	the	covered	engines	homologation, etc		with	instructions,			the	measurement,			four	maintenance,			codes	homologation,			given	etc			above	instructions,			can	homologation,			be	instructions,			codified	homologation,			as	instructions,			"other"	homologation,			in	instructions,			the	messages	
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	Passenger with Freight - military trains, the Overnight Express; Royalty, Head of States
source	<pre> <xs:element name="TrainType"> <xs:annotation> <xs:documentation> 1 Passenger train Commercial train with passenger coaches or trainsets Empty run of Train with passenger coaches or trainsets Including Crew train (for Train Crew Members) 2 Freight trainTrain with freight wagons 3 Light engine (locomotive train) One or more engines without any carriages 4 Engineering train Train for measurement, maintenance, instructions, homologation, 0 Other Train types that are not covered with the four codes given above can be codified as "other" in the messages Passenger with Freight - military trains, the Overnight Express; Royalty, Head of States </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:enumeration value="0"/> </xs:restriction> </xs:simpleType> </xs:element> </pre>

element TypeOfRemovableAccessories

diagram	<p>TypeOfRemovableAccessories</p> <p>Specification of removable accessory. Should be added to Code List. 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 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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annotation	<p>documentation</p> <p>Specification of removable accessory. 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:</xs:documentation> </xs:annotation> 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 </pre>

	07 = Removable handle and wheel for winch on car-carrying wagon	
	08 = Swivelling bolster (with stanchions)	
	09 = Coupling rod (rigid coupling)	
	10 = Ice bunker	bunker
	11 = Ice bunker screen	screen
	12 = Ice bunker frame	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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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/2.4															
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> <table> <thead> <tr> <th>wheel</th> <th>set</th> <th>gauge.</th> <th>Code</th> <th>list:</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td>=</td> <td>Automatic,</td> <td></td> </tr> <tr> <td>2</td> <td></td> <td>=</td> <td>Bogie/axle</td> <td>change</td> </tr> </tbody> </table>	wheel	set	gauge.	Code	list:	1		=	Automatic,		2		=	Bogie/axle	change
wheel	set	gauge.	Code	list:												
1		=	Automatic,													
2		=	Bogie/axle	change												
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 </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType> </xs:element></pre>															

simpleType ConsignmentTypeCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
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	documentation Identifies the type of a waybill. CIM Convention Internationale Marchandises (OTIF) Source: CIM (OTIF)
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/2.4		
type	restriction of xs:token		
properties	base xs:token		
facets	Kind	Value	Annotation
	enumeration	11	
	enumeration	10	
	enumeration	12	
	enumeration	13	
	enumeration	14	
	enumeration	18	
	enumeration	19	
	enumeration	20	
	enumeration	21	
	enumeration	22	
	enumeration	23	
	enumeration	24	
	enumeration	25	
	enumeration	28	
	enumeration	29	
	enumeration	31	
	enumeration	30	
	enumeration	32	
	enumeration	39	
	enumeration	40	
	enumeration	41	
	enumeration	50	
	enumeration	51	
	enumeration	52	
	enumeration	53	
	enumeration	54	
	enumeration	58	

	enumeration 59 enumeration 60 enumeration 61 enumeration 62 enumeration 63 enumeration 64 enumeration 68 enumeration 70 enumeration 69 enumeration 71 enumeration 80 enumeration 81 enumeration 82 enumeration 83 enumeration 84 enumeration 89 enumeration 90 enumeration 91 enumeration 92 enumeration 93 enumeration 94 enumeration 95																																																									
annotation	<p>documentation</p> <p>Reason for a delay or interruption. UIC Leaflet 450-2, Appendix C.</p> <p>The first digit in the code has to following meaning:</p> <table> <tbody> <tr><td>1</td><td>Operational planning, Management</td><td>(IM)</td></tr> <tr><td>2</td><td>Infrastructure installations</td><td>(IM)</td></tr> <tr><td>3</td><td>Civil engineering causes</td><td>(IM)</td></tr> <tr><td>4</td><td>Causes of other IM</td><td>(IM)</td></tr> <tr><td>5</td><td>Commercial causes</td><td>(RU)</td></tr> <tr><td>6</td><td>Rolling stock</td><td>(RU)</td></tr> <tr><td>7</td><td>Causes of other RU</td><td>(RU)</td></tr> <tr><td>8</td><td>External causes</td><td>(RU)</td></tr> <tr><td>9</td><td>Secondary causes</td><td>(RU)</td></tr> <tr><td>New</td><td>codes added:</td><td></td></tr> <tr><td>23</td><td>Power supply equipment</td><td></td></tr> <tr><td>58</td><td>Staff</td><td></td></tr> <tr><td>68</td><td>Staff</td><td></td></tr> <tr><td>90</td><td>Dangerous incidents, accidents and hazards</td><td></td></tr> <tr><td>91</td><td>Track occupation caused by the lateness of the same train</td><td></td></tr> <tr><td>92</td><td>Track occupation caused by the lateness of another train</td><td></td></tr> <tr><td>93</td><td>Turn round</td><td></td></tr> <tr><td>94</td><td>Connection</td><td></td></tr> <tr><td>95</td><td>Further investigation needed</td><td></td></tr> </tbody> </table>	1	Operational planning, Management	(IM)	2	Infrastructure installations	(IM)	3	Civil engineering causes	(IM)	4	Causes of other IM	(IM)	5	Commercial causes	(RU)	6	Rolling stock	(RU)	7	Causes of other RU	(RU)	8	External causes	(RU)	9	Secondary causes	(RU)	New	codes added:		23	Power supply equipment		58	Staff		68	Staff		90	Dangerous incidents, accidents and hazards		91	Track occupation caused by the lateness of the same train		92	Track occupation caused by the lateness of another train		93	Turn round		94	Connection		95	Further investigation needed	
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2	Infrastructure installations	(IM)																																																								
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94	Connection																																																									
95	Further investigation needed																																																									
source	<pre> <xs:simpleType name="DelayCode"> <xs:annotation> <xs:documentation>Reason for a delay or interruption. UIC Leaflet 450-2, Appendix C. The first digit in the code has to following meaning: 1 Operational planning, Management (IM) 2 Infrastructure installations (IM) 3 Civil engineering causes (IM) 4 Causes of other IM (IM) 5 Commercial causes (RU) 6 Rolling stock (RU) 7 Causes of other RU (RU) </xs:documentation> </xs:annotation> </xs:simpleType></pre>																																																									

			causes causes added:
	8 9 New 23 Power supply equipment 58 Staff 68 Staff 90 Dangerous incidents, accidents and hazards 91 Track occupation caused by the lateness of the same train 92 Track occupation caused by the lateness of another train 93 Turn round 94 Connection 95 Further investigation needed	External Secondary codes	</xs:documentation> </xs:annotation> <xs:restriction base="xs:token"> <xs:enumeration value="11"/> <xs:enumeration value="10"/> <xs:enumeration value="12"/> <xs:enumeration value="13"/> <xs:enumeration value="14"/> <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="28"/> <xs:enumeration value="29"/> <xs:enumeration value="31"/> <xs:enumeration value="30"/> <xs:enumeration value="32"/> <xs:enumeration value="39"/> <xs:enumeration value="40"/> <xs:enumeration value="41"/> <xs:enumeration value="50"/> <xs:enumeration value="51"/> <xs:enumeration value="52"/> <xs:enumeration value="53"/> <xs:enumeration value="54"/> <xs:enumeration value="58"/> <xs:enumeration value="59"/> <xs:enumeration value="60"/> <xs:enumeration value="61"/> <xs:enumeration value="62"/> <xs:enumeration value="63"/> <xs:enumeration value="64"/> <xs:enumeration value="68"/> <xs:enumeration value="70"/> <xs:enumeration value="69"/> <xs:enumeration value="71"/> <xs:enumeration value="80"/> <xs:enumeration value="81"/> <xs:enumeration value="82"/> <xs:enumeration value="83"/> <xs:enumeration value="84"/>

	<pre> <xs:enumeration value="89"/> <xs:enumeration value="90"/> <xs:enumeration value="91"/> <xs:enumeration value="92"/> <xs:enumeration value="93"/> <xs:enumeration value="94"/> <xs:enumeration value="95"/> </xs:restriction> </xs:simpleType></pre>
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simpleType InfoIndex

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4												
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	
Kind	Value	Annotation											
enumeration	10												
enumeration	20												
enumeration	30												
annotation	documentation indicates additional information												
source	<pre> <xs:simpleType name="InfoIndex"> <xs:annotation> <xs:documentation>indicates additional information</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="10"/> <xs:enumeration value="20"/> <xs:enumeration value="30"/> </xs:restriction> </xs:simpleType></pre>												

simpleType MessageCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4									
type	restriction of xs:integer									
properties	base xs:integer									
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 Identifies the type of message									
source	<pre> <xs:simpleType name="MessageCode"> <xs:annotation> <xs:documentation>Identifies the type of message</xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:minInclusive value="1"/> <xs:maxInclusive value="9999"/> </xs:restriction> </xs:simpleType></pre>									

simpleType RestrictionCodes

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4														
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	14													
	enumeration	15													
	enumeration	18													
	enumeration	25													
	enumeration	30													
	enumeration	31													
	enumeration	32													
	enumeration	33													
	enumeration	34													
	enumeration	35													
	enumeration	36													
	enumeration	37													
	enumeration	38													
	enumeration	39													
	enumeration	41													
	enumeration	42													
	enumeration	50													
	enumeration	52													
	enumeration	62													
	enumeration	63													
	enumeration	68													
	enumeration	70													
	enumeration	71													
	enumeration	90													
	enumeration	91													
	enumeration	92													
	enumeration	94													
	enumeration	99													
annotation	documentation	<p>All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list.</p> <table style="margin-left: 20px;"> <tr> <td>P</td><td>=</td><td>F = Freight</td></tr> <tr> <td>T</td><td>=</td><td>Passenger</td></tr> <tr> <td>D</td><td>=</td><td>Technical</td></tr> <tr> <td>L</td><td>=</td><td>Damage Load</td></tr> </table> <p>Code F or P Description</p>		P	=	F = Freight	T	=	Passenger	D	=	Technical	L	=	Damage Load
P	=	F = Freight													
T	=	Passenger													
D	=	Technical													
L	=	Damage Load													

			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	x			
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
18	F	Must not use active braking equipment	x			
25	F	Gas carrying tank wagon with orange side stripe	x			x
30	P (+F)	CCS fault (see CCS coding list)				
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		

				x
41	F	Place this wagon at the front of the train		
42	x F	x x Place this wagon at the rear of the train		
50	x P (+F)	x x x Speed restriction		
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	x P	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	x F	Gas carrying wagon without orange side stripe		
99	P	Other		x
				x
source	<pre> <xs:simpleType <xs:annotation> <xs:documentation></pre>			
	<pre> name="RestrictionCodes"></pre>			
	<p>All codes of</p>			
	<p>Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers</p>			
	<p>Traffic are in the same list.</p>			
	<p>F = Freight</p>			
	<p>P = Passenger</p>			
	<p>T = Technical</p>			
	<p>D = Damage</p>			
	<p>L = Load</p>			

	Code	F or P	Description	T	D	L
	07	F	Shunt only when hand brake operable with ground staff			
	08	X F	Tank wagon loaded with liquid	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			X
	15	F	Wagon not allowed over the hump			X
	16	F	Do not fly shunt or gravity shunt (3 red triangles)	X	X	X
	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

			x
35	P (+F)	Horn fault	
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 x x
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

		x x x
90	P	Train planned with passengers operated without passengers
91	P	x Train planned without passengers operated with passengers
92	P	x Train planned with hauled rolling stock and operated without any coaches (light engine)
94	F	x x Gas carrying wagon without orange side stripe
99	P	x Other
		x
		<pre> </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="14"/> <xs:enumeration value="15"/> <xs:enumeration value="18"/> <xs:enumeration value="25"/> <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="41"/> <xs:enumeration value="42"/> <xs:enumeration value="50"/> <xs:enumeration value="52"/> <xs:enumeration value="62"/> <xs:enumeration value="63"/> <xs:enumeration value="68"/> <xs:enumeration value="70"/> <xs:enumeration value="71"/> <xs:enumeration value="90"/> <xs:enumeration value="91"/> <xs:enumeration value="92"/></pre>

	<pre> <xs:enumeration> <xs:enumeration> </xs:restriction> </xs:simpleType> </pre>	value="94"/> value="99"/>
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simpleType RunningStatus

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																																																																																	
type	restriction of xs:token																																																																																	
properties	base xs:token																																																																																	
facets	Kind	Value Annotation																																																																																
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	enumeration	17																																																																																
	enumeration	18																																																																																
	enumeration	19																																																																																
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																																																																															
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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: 00 Not 01 Arrival at 02 Departure at 03 Intermediate 04 Intermediate 05 Pass 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 </xs:documentation> </xs:annotation> <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="05"/> <xs:enumeration value="06"/> <xs:enumeration value="07"/> <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:restriction> </xs:simpleType></pre>
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simpleType TrainCC_Syst

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
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	11	
	enumeration	12	
	enumeration	21	
	enumeration	22	
	enumeration	23	
	enumeration	31	
annotation	documentation Identifies the command control system of the train in coded values		
source	<pre> <xs:simpleType name="TrainCC_Syst"> <xs:annotation> <xs:documentation>Identifies the command control system of the train in coded values</xs:documentation> </xs:annotation> <xs:restriction base="xs:token"> <xs:enumeration value="01"/> <xs:enumeration value="02"/> <xs:enumeration value="03"/> <xs:enumeration value="04"/> <xs:enumeration value="05"/> <xs:enumeration value="06"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/> <xs:enumeration value="21"/> <xs:enumeration value="22"/> <xs:enumeration value="23"/> <xs:enumeration value="31"/> </xs:restriction> </xs:simpleType></pre>		

simpleType TypeOfIMHarmonizationCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:string		
properties	base xs:string		
facets	Kind	Value	Annotation
	enumeration	Full	
	enumeration	Part	
annotation	documentation Enumeration of Type of IM harmonization: Full, Part		
source	<pre> <xs:simpleType name="TypeOfIMHarmonizationCode"></pre>		

	<pre> <xs:annotation> <xs:documentation>Enumeration of Type of IM harmonization: Full, Part </xs:documentation> </xs:annotation> <xs:restriction <xs:enumeration <xs:enumeration </xs:restriction> </xs:simpleType> </pre>
	<pre> <xs:enumeration <xs:enumeration <xs:restriction base="xs:string"> value="Full"/> value="Part"/> </xs:restriction> </xs:enumeration> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>

simpleType TypeOfInformationCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
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
			harmonisation - completed
	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
			Preparation of draft offer - accepted

source	<pre> <xs:simpleType name="TypeOfInformationCode"> <xs:annotation> <xs: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 08 coordination update 09 draft offer 10 draft alternative offer 11 observation - in process 12 observation - complete 13 preparation of final offer - in process 14 preparation of final offer - accepted 15 preparation of final offer - rejected 16 final offer offer 17 final offer - accepted 18 alternative offer accepted 19 - pre-accepted offer 20 - Final Offer rejected 21 no alternative available 22 booked 23 - preparation of draft alternative offer is in 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 (FAP, constructed path) 41 - Final Offer rejected 42 - Preparation of draft offer - accepted 43 - Preparation of draft offer - rejected 44 - Draft offer rejected 45 - Draft no alternative available 50 activate path (utilisation notification) 51 deactivate path (utilisation notification) 52 confirmation of utilisation notification 53 Path and train cancelled </xs:documentation> </xs:annotation> <xs:restriction base="xs:integer"> <xs:maxInclusive value="99"/> <xs:minInclusive value="0"/> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>harmonisation - in process</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> </pre>

	<pre> <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>harmonisation - completed</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 </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>coordination </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>draft </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>draft alternative offer</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>observation - in process</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>observation - complete</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>preparation of final offer - in process</xs:documentation> </xs:annotation> </xs:enumeration> </pre>
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	<pre> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>preparation of final offer - accepted</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>preparation of final offer - rejected</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>final offer</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>final offer - accepted</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>alternative offer accepted</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>pre-accepted offer</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Final Offer rejected</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>no alternative available</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>booked</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>preparation of draft alternative offer is in progress</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Preparation of draft offer - </pre>
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	<p>accepted</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="25"></p> <p><xs:annotation></p> <p><xs:documentation>offer/final revision</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="26"></p> <p><xs:annotation></p> <p><xs:documentation>alternative revision</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="27"></p> <p><xs:annotation></p> <p><xs:documentation>offer/final required</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="28"></p> <p><xs:annotation></p> <p><xs:documentation>alternative required</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="30"></p> <p><xs:annotation></p> <p><xs:documentation>Create Dossier</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="31"></p> <p><xs:annotation></p> <p><xs:documentation>Close Dossier</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="40"></p> <p><xs:annotation></p> <p><xs:documentation>Fully Assembled Path (FAP, constructed path)</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="41"></p> <p><xs:annotation></p> <p><xs:documentation>Final Offer rejected</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="42"></p> <p><xs:annotation></p> <p><xs:documentation>Preparation of draft offer - accepted</xs:documentation></p> <p></xs:annotation></p> <p></xs:enumeration></p> <p><xs:enumeration value="43"></p> <p><xs:annotation></p> <p><xs:documentation>Preparation of draft offer - rejected</xs:documentation></p>	offer	rejected	(without
--	---	-------	----------	----------

	<pre> </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 notification)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="52"> <xs:annotation> <xs:documentation>confirmation of utilisation notification</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="53"> <xs:annotation> <xs:documentation>Path and train cancelled </xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>
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simpleType TypeOfRequestCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																		
type	restriction of xs:short																		
properties	base xs:short																		
facets	<table> <tr> <th>Kind</th> <th>Value</th> <th>Annotation</th> </tr> <tr> <td>minInclusive</td> <td>1</td> <td></td> </tr> <tr> <td>maxInclusive</td> <td>9</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> </table>	Kind	Value	Annotation	minInclusive	1		maxInclusive	9		enumeration	1		enumeration	2		enumeration	3	
Kind	Value	Annotation																	
minInclusive	1																		
maxInclusive	9																		
enumeration	1																		
enumeration	2																		
enumeration	3																		
annotation	documentation Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3)																		
source	<pre> <xs:simpleType name="TypeOfRequestCode"> <xs:annotation> <xs:documentation> Enumeration for 3 different basic types of the </pre>																		

	<pre> processes in the planning: Study (1), Request (2), Modification (3) </xs:documentation> </xs:annotation> <xs:restriction <xs:minInclusive <xs:maxInclusive <xs:enumeration <xs:enumeration <xs:enumeration </xs:restriction> </xs:simpleType></pre>	<pre> base="xs:short"> value="1"/> value="9"/> value="1"/> value="2"/> value="3"/></pre>
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simpleType TypeOfRUHarmonizationCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4														
type	restriction of xs:string														
properties	base xs:string														
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</td> </tr> <tr> <td>enumeration</td> <td>Full</td> <td></td> </tr> <tr> <td>enumeration</td> <td>Part</td> <td></td> </tr> <tr> <td>enumeration</td> <td>None</td> <td></td> </tr> </table>			Kind	Value	Annotation	enumeration	Full		enumeration	Part		enumeration	None	
Kind	Value	Annotation													
enumeration	Full														
enumeration	Part														
enumeration	None														
annotation	documentation Type of RU harmonization: Full, Part, None.														
source	<pre> <xs:simpleType <xs:annotation> <xs:documentation>Type of RU harmonization: Full, Part, None.</xs:documentation> </xs:annotation> <xs:restriction <xs:enumeration <xs:enumeration <xs:enumeration </xs:restriction> </xs:simpleType></pre>														
	<pre> name="TypeOfRUHarmonizationCode"> base="xs:string"> value="Full"/> value="Part"/> value="None"/></pre>														

simpleType UnitType

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4																																			
type	restriction of xs:token																																			
properties	base xs:token																																			
facets	<table> <tr> <td>Kind</td> <td>Value</td> <td>Annotation</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>4</td> <td></td> </tr> <tr> <td>enumeration</td> <td>6</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>40</td> <td></td> </tr> <tr> <td>enumeration</td> <td>41</td> <td></td> </tr> </table>			Kind	Value	Annotation	enumeration	1		enumeration	2		enumeration	4		enumeration	6		enumeration	10		enumeration	11		enumeration	12		enumeration	13		enumeration	40		enumeration	41	
Kind	Value	Annotation																																		
enumeration	1																																			
enumeration	2																																			
enumeration	4																																			
enumeration	6																																			
enumeration	10																																			
enumeration	11																																			
enumeration	12																																			
enumeration	13																																			
enumeration	40																																			
enumeration	41																																			

	enumeration 42 enumeration 43 enumeration 50 enumeration 41
annotation	<p>documentation Indicates the type of a Transportation unit.</p> <p>1 Container</p> <p>2 Other intermodal traffic</p> <p>4 Rolling road (RR)</p> <p>6 Semi-trailer on bogies</p> <p>10 Container less than 20'</p> <p>11 Container 20'</p> <p>12 Container 30'</p> <p>13 Container 40'</p> <p>40 Semi-trailer truck/articulated lorry</p> <p>41 Road tractor</p> <p>42 Lorry without trailer</p> <p>43 Lorry with trailer</p> <p>50 Semi-trailer/road semi-trailer</p> <p>51 Swap bodies</p>
source	<pre> <xs:simpleType name="UnitType"> <xs:annotation> <xs:documentation>Indicates the type of a Transportation unit.</xs:documentation> </xs:annotation> <xs:restriction base="string"> <xs:enumeration value="Container"/> <xs:enumeration value="Other"/> <xs:annotation> <xs:documentation>intermodal traffic</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Rolling"/> <xs:annotation> <xs:documentation>road (RR)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Semi-trailer"/> <xs:annotation> <xs:documentation>on bogies</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Container"/> <xs:annotation> <xs:documentation>less than 20'</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Container"/> <xs:annotation> <xs:documentation>20'</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Container"/> <xs:annotation> <xs:documentation>30'</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Container"/> <xs:annotation> <xs:documentation>40'</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Semi-trailer truck/articulated lorry"/> <xs:enumeration value="Road"/> <xs:annotation> <xs:documentation>tractor</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Lorry"/> <xs:annotation> <xs:documentation>without trailer</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="Lorry"/> <xs:annotation> <xs:documentation>with trailer</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>

attribute **JourneyLocationTypeCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:token		
facets	Kind	Value	Annotation
	enumeration	01	
	enumeration	02	
	enumeration	03	
	enumeration	04	
	enumeration	05	
	enumeration	06	
	enumeration	07	
	enumeration	08	
annotation	documentation		
	01	=	Origin
	02	=	Intermediate
	03	=	Destination
	04	=	Handover
	05	=	Interchange
	06	= Handover and	Interchange
	07	= State	Border
	08	=	None
	99 = Mutually Defined		
source	<pre><xs:attribute <xs:annotation> <xs:documentation></pre>		
	name="JourneyLocationTypeCode"		

	<pre> 01 = Origin 02 = Intermediate 03 = Destination 04 = Handover 05 = Interchange 06 = Handover and Origin 07 = State and Intermediate 08 = = and Destination 99 = Mutually Defined </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="01"/> <xs:enumeration value="02"/> <xs:enumeration value="03"/> <xs:enumeration value="04"/> <xs:enumeration value="05"/> <xs:enumeration value="06"/> <xs:enumeration value="07"/> <xs:enumeration value="08"/> <xs:enumeration value="99"/> </xs:restriction> </xs:simpleType> </xs:attribute> </pre>
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attribute **LocationSubsidiaryTypeCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:token		
facets	Kind	Value	Annotation
	enumeration	0	documentation Not Defined
			documentation not used
	enumeration	1	documentation Track
			documentation
	enumeration	2	The track is a uniquely defined part of location
			documentation
	enumeration	3	Private Siding
			documentation
	enumeration	3	Tracks are not for open access
			documentation
	enumeration	3	Border Point Code
			documentation
	enumeration	4	Special code for the Border Points are allocated at the country border and the points between different IM networks. Location of these points sometimes are not geographically same with the station or yard. Therefore these points are "logical point"
			documentation
	enumeration	4	Sorting Code
			documentation
	enumeration	5	Destination station of the wagon has a code in order to provide shunting technology.
			documentation
	enumeration	5	Vehicle Parking Points
			documentation
	enumeration	6	All points (tracks)
			documentation
	enumeration	6	Public Loading Places
			documentation
	enumeration	7	Is a type of physical location on the open access network where consignor or consignee can load or unload wagons
			documentation

		Private Loading Places documentation Is a type of physical location outside the open access network where consignor or consignee can load or unload wagons
enumeration	8	IM Path Tariff Point documentation
enumeration	9	Price Segment change between two IM Networks. documentation Depot / Maintenance Place for overhaul or maintenance of the rolling stock.
enumeration	10	documentation Switch/turnout documentation
enumeration	11	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

	enumeration 25	documentation Structure to allow a railway line to pass under the surface. documentation Underpass
	enumeration 26	documentation Undercrossing or underground passage under the railway track. (Not used by trains) documentation Block section
	enumeration 27	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. documentation Signal
	enumeration 28	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 29	documentation Sign and board documentation Equipment to inform the board staff for train traffic and shunting.
	enumeration 30	documentation Phase break documentation Border of the power supply systems (catenary).
	enumeration 32	documentation Leap in kilometer documentation The section has deviation in length i. e. the section more or less than called.
	enumeration 33	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 34	documentation Hot spot detector documentation Trackside equipment which detects hot wheels or axle-box on passing trains.
	enumeration 35	documentation Flat wheel detector documentation Trackside equipment which detects flat spots on wheels on passing trains.
	enumeration 36	documentation Dynamic wheel load documentation detector Special equipment is in trackside for inspect of the overloaded wagons.
	enumeration 37	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 38	documentation Loading point documentation A loading point is a commercial usage of a physical location. Each loading point is assigned to a yard.
	enumeration 39	documentation IM Network link documentation It allows to link two locations from different IM Networks
	enumeration 40	documentation Reservation code documentation Metastation
	enumeration 41	documentation Metastation documentation To mark a meta location that forms the link between different stations that are considered as equal (for the traveller)
	enumeration 42	documentation CompanySpecificIdentifier documentation Company specific identifier of the primary location

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 loading Is 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 purposes - Sewage dump disposal Place for cleaning waste
	enumeration 46	documentation takes Refuelling Point Location where refuelling place
	enumeration 47	documentation supply can be provided for Mains Supply Location stock e.g. where energy preheating
	enumeration 48	documentation supply can be provided Water Supply for Location the rolling where water stock
	enumeration 49	documentation motion stabled with external Compressed plant Train air supply on a track for braking systems
	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 floor that avoids Pollution protective plate Track earth where below pollution of the
	enumeration 54	documentation filled Sand-filling station Location where sand is
	enumeration 55	documentation Repair track Location where a

		train/wagon/engine	can	be	repaired
	enumeration 56	documentation containing	Signal box signalling	The location of a building equipment	
	enumeration 66	documentation Location ENEE Code documentation			
	enumeration 90	Legacy ENEE code of the parent primary location documentation			
	enumeration 99	Test Loc documentation Relation to Station documentation			
		An indicator used to show that this location is a subsidiary of another location.			
annotation	documentation				
	42	New codes added: 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			
source	<pre> <xs:attribute name="LocationSubsidiaryTypeCode"> <xs:annotation> <xs:documentation> New codes added: 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). 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 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 Sewage dump Place for cleaning purposes - disposal of the waste Refuelling Point Location where refuelling takes place Mains Supply Location where energy supply can be provided for the rolling stock e.g. preheating Water Supply Location where water supply can be provided for the rolling stock Compressed plant Train on a track with motion stabled with external air supply for braking systems Indoor cleaning platform Cleaning point -interior Car-wash plant Cleaning point -outdoor Short dry-cleaning track Cleaning point Pollution protective plate Track where floor that avoids pollution of the earth below Sand-filling station Location where sand is filled Repair track Location where a train/wagon/engine can be repaired Signal box The location of a building containing signalling equipment </xs:documentation> </xs:annotation> </xs:attribute> </pre>				

	<p>the earth below</p> <p>54 Sand-filling station Location where sand is filled</p> <p>55 Repair track Location where a train/wagon/engine can be repaired</p> <p>56 Signal box The location of a building containing signalling equipment</p>
	<pre> </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>Not defined</xs:documentation> <xs:documentation>not used</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Track</xs:documentation> <xs:documentation>The track is a uniquely defined part of location</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>Private siding</xs:documentation> <xs:documentation>Tracks are not for open access</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Border point code</xs:documentation> <xs:documentation>Special code for the Border Points are allocated at the country border and the points between different IM networks. Location of these points sometimes are not geographically same with the station or yard. Therefore these points are "logical point"</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="4"> <xs:annotation> <xs:documentation>Sorting code</xs:documentation> <xs:documentation>Destination station of the wagon has a code in order to provide shunting technology.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="5"> <xs:annotation> <xs:documentation>Vehicle parking points</xs:documentation> <xs:documentation>All points (tracks)</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="6"> <xs:annotation> <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> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </pre>

	<pre> <xs:enumeration value="7"> <xs:annotation> <xs:documentation>Private Loading Places</xs:documentation> <xs:documentation>Is a type of physical location outside the open access network where consignor or consignee can load or unload wagons</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="8"> <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> </xs:enumeration> <xs:enumeration value="10"> <xs:annotation> <xs:documentation>Switch/turnout</xs:documentation> <xs:documentation>The location where two tracks meet or diverge.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="11"> <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 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> </pre>
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	<pre> <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> <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 value="20"> <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 value="21"> <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 value="22"> <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> </pre>
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	<pre> <xs:enumeration value="23"> <xs:annotation> <xs:documentation>Bridge</xs:documentation> <xs:documentation>Special built structure is over the road</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="24"> <xs:annotation> <xs:documentation>Tunnel</xs:documentation> <xs:documentation>Structure to allow a railway line to pass under the surface.</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="25"> <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 value="26"> <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 value="27"> <xs:annotation> <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> </pre>
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	<pre> <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> <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> </pre>
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	<pre> </xs:annotation> </xs:enumeration> <xs:enumeration value="47"> <xs:annotation> Mains Supply Location where energy supply can be provided for the rolling stock e.g. preheating </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="48"> <xs:annotation> Water Supply Location where water supply can be provided for the rolling stock </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="49"> <xs:annotation> Compressed plant Train on a track with motion stabled with external air supply for braking systems </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="50"> <xs:annotation> Indoor cleaning platform Cleaning point -interior </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="51"> <xs:annotation> Car-wash plant Cleaning point -outdoor </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="52"> <xs:annotation> Short dry-cleaning track Cleaning point </xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="53"> <xs:annotation> 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> </xs:annotation> </xs:enumeration> </pre>
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	<p>Sand-filling station Location where sand is filled</p> <pre> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation></pre> <p>Repair track Location where a train/wagon/engine can be repaired</p> <pre> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation></pre> <p>Signal box The location of a building containing equipment signalling</p> <pre> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Location ENEE Code</xs:documentation> <xs:documentation>Legacy ENEE code of the parent primary location</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration <xs:annotation> <xs:documentation>Test <xs:documentation>Loc</xs:documentation></pre> <p>Relation to Station</p> <pre> <xs:annotation> <xs:documentation>An indicator used to show that this location is subsidiary of another location.</xs:documentation> </xs:annotation> </xs:enumeration> </xs:restriction> </xs:simpleType> </xs:attribute></pre>
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attribute TimingQualifierCode

namespace	http://www.era.europa.eu/schemes/TAFTSI/2.4		
type	restriction of xs:token		
facets	Kind	Value	Annotation

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annotation	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
source	<pre> <xs:attribute <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> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:enumeration> <xs:enumeration> </xs:restriction> </xs:simpleType> </xs:attribute></pre>