EUROPEAN UNION AGENCY FOR RAILWAYS

Making the railway system
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Technical document

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

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

Document History

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

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

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Application:

With effect from 08 March 2012.

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

1. Summary

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

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

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

The TAF TSI data catalogue is split into two documents:

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

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

2. Schema taf_cat_complete.xsd

schema location:	C:\Users\jugelst\OneDrive - European Union Agency for Railways (ERA)\Documents\Projects\TAF-TSI\taf_cat_complete.xsd
attributeFormDefault:	**unqualified**
elementFormDefault:	**qualified**
targetNamespace:	**http://www.era.europa.eu/schemes/TAFTSI/3.1**

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

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

DelayCauseTime
DelayCodingDateTime
DelayEventDateTime
DelayEventReport
DelayLocation
DelayMinutes
DeliveryAtDestination
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
GeoLocalisation
GeoLocalisationOnNetwork
GNSS_DynamicPosition
Goods
GoodsDescription
GoodsInWagon
GrossWeight
HandBrake
HandlingInstruction
HandoverPointFlag
Height

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

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

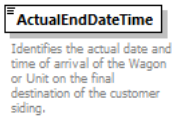
PlannedCalendar
PlannedDateNextOverhaul
PlannedJourneyLocation
PlannedSpeed
PlannedTrainData
PlannedTrainTechnicalData
PlannedTransportIdentifiers
PostalCode
PreArrangedPath
PreviousConsignmentNumber
PreviousResponsibleRU
PrimaryLocationName
ProductionStation
PushPullTrain
Quantity
ReceiptConfirmationMessage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

ScheduledTimeAtLocation
Seals
Sender
SenderReference
Ship
SpecialTreatments
StartDate
StartDateTime
StartLocation
Station
SummaryOFGoodsWithSameRID
TechnicalForwardingRestrictions
TiltingFunction
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
WagonLength
WagonLocationStatus
WagonMaxSpeed
WagonNumberFreight
WagonNumberOfAxles
WagonOperationalData
WagonPickupAtOrigin
WagonReleaseNoticeMessage
Wagons
WagonTechData
WagonTrainPosition
WagonWeightEmpty
WagonYardArrivalMessage
WagonYardDepartureMessage

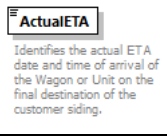
WeightOfSetOfCarriages
WheelDiameter
WheelsetGauge
Width
WIMO_Dataset
YardArrival
YardDeparture

element **ActualEndDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
annotation	documentation Identifies the actual date and time of arrival of the Wagon or Unit on the final destination of the customer siding.

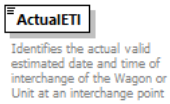
source	`<xs:element name="ActualEndDateTime" type="xs:dateTime">`
	`<xs:annotation>`
	`<xs:documentation>Identifies the actual date and time of arrival of the Wagon or Unit on the final destination of the customer siding.</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **ActualETA**

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

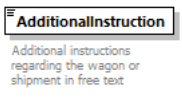
source	`<xs:element name="ActualETA" type="xs:dateTime">`
	`<xs:annotation>`
	`<xs:documentation>Identifies the actual ETA date and time of arrival of the Wagon or Unit on the final destination of the customer siding.</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **ActualETI**

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

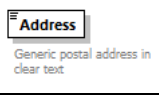
source	`<xs:element name="ActualETI" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the actual valid estimated date and time of interchange of the Wagon or Unit at an interchange point</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **AdditionalInstruction**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**FreeText**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Additional instructions regarding the wagon or shipment in free text

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

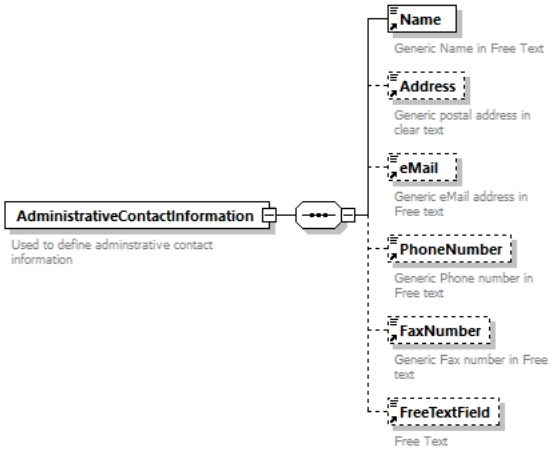
element **Address**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**FreeText**
properties	content simple

used by	element **AdministrativeContactInformation**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Generic postal address in clear text

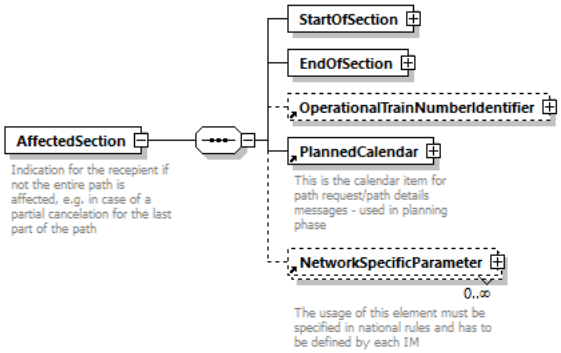
source	`<xs:element name="Address" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Generic postal address in clear text</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **AdministrativeContactInformation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Name Address eMail PhoneNumber FaxNumber FreeTextField**
used by	elements **Customers ErrorMessage LoadingFacility PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage**
annotation	documentation Used to define adminstrative contact information

source	`<xs:element name="AdministrativeContactInformation">`
	`  <xs:annotation>`
	`  <xs:documentation>Used to define adminstrative contact information</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Name"/>`
	`  <xs:element ref="Address" minOccurs="0"/>`
	`  <xs:element ref="eMail" minOccurs="0"/>`
	`  <xs:element ref="PhoneNumber" minOccurs="0"/>`
	`  <xs:element ref="FaxNumber" minOccurs="0"/>`
	`  <xs:element ref="FreeTextField" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **AffectedSection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	StartOfSection EndOfSection OperationalTrainNumberIdentifier PlannedCalendar NetworkSpecificParameter
used by	elements PathCanceledMessage PathConfirmedMessage PathDetailsRefusedMessage PathNotAvailableMessage ReceiptConfirmationMessage
annotation	documentation Indication for the recepient if not the entire path is affected, e.g. in case of a partial cancelation for the last part of the path

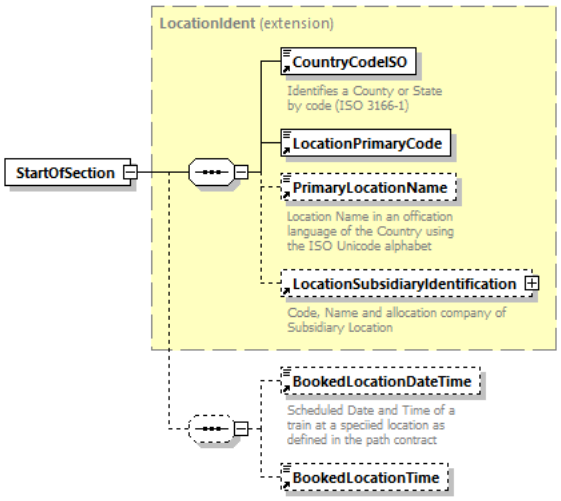
source

```
<xs:element                                                    name="AffectedSection">
  <xs:annotation>
    <xs:documentation>Indication for the recepient if not the entire path is
affected, e.g. in case of a partial cancelation for the last part of the
path</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                              name="StartOfSection">
        <xs:complexType>
          <xs:complexContent>
            <xs:extension                                       base="LocationIdent">
              <xs:sequence                                            minOccurs="0">
                <xs:element    ref="BookedLocationDateTime"    minOccurs="0"/>
                <xs:element      ref="BookedLocationTime"      minOccurs="0"/>
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
      </xs:element>
      <xs:element                                               name="EndOfSection">
        <xs:complexType>
          <xs:complexContent>
            <xs:extension                                       base="LocationIdent">
              <xs:sequence                                            minOccurs="0">
                <xs:element    ref="BookedLocationDateTime"    minOccurs="0"/>
                <xs:element      ref="BookedLocationTime"      minOccurs="0"/>
              </xs:sequence>
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
      </xs:element>
      <xs:element    ref="OperationalTrainNumberIdentifier"    minOccurs="0"/>
      <xs:element                                             ref="PlannedCalendar"/>
```

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

element **AffectedSection/StartOfSection**

diagram



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

type: extension of **LocationIdent**

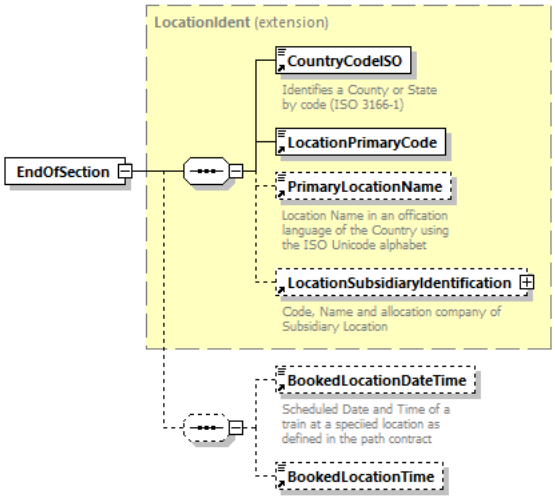
properties: content complex

children: **CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **BookedLocationDateTime** **BookedLocationTime**

source

```
<xs:element                                                    name="StartOfSection">
  <xs:complexType>
    <xs:complexContent>
      <xs:extension                                             base="LocationIdent">
        <xs:sequence                                                  minOccurs="0">
          <xs:element      ref="BookedLocationDateTime"       minOccurs="0"/>
          <xs:element        ref="BookedLocationTime"         minOccurs="0"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
```

element **AffectedSection/EndOfSection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **BookedLocationDateTime** **BookedLocationTime**

source	`<xs:element name="EndOfSection">`
	`  <xs:complexType>`
	`  <xs:complexContent>`
	`  <xs:extension base="LocationIdent">`
	`  <xs:sequence minOccurs="0">`
	`  <xs:element ref="BookedLocationDateTime" minOccurs="0"/>`
	`  <xs:element ref="BookedLocationTime" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:extension>`
	`  </xs:complexContent>`
	`  </xs:complexType>`
	`</xs:element>`

element **AgainstBooked**

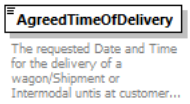
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**DeltaTime**
properties	content simple
used by	element **TrainDelay**
facets	Kind Value Annotation length 5
annotation	documentation Identifies the Delta delay time against the booked schedule in minutes
source	`<xs:element name="AgainstBooked"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

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

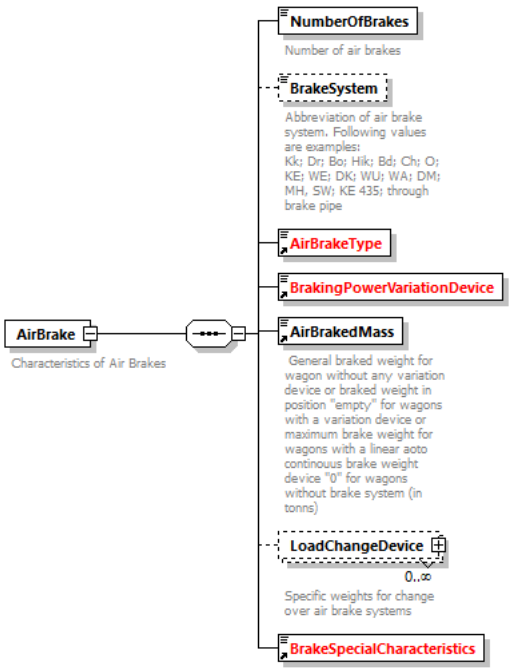

element **AgainstReferenced**

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

element **AgreedTimeOfDelivery**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	elements **ConsignmentOrderMessage/COMS/COM** **WIMO_Dataset/ConsignmentLevelData**
annotation	documentation The requested Date and Time for the delivery of a wagon/Shipment or Intermodal untis at customer sidings
source	`<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 untis at customer sidings</xs:documentation> </xs:annotation> </xs:element>`

element **AirBrake**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	NumberOfBrakes BrakeSystem **AirBrakeType BrakingPowerVariationDevice** AirBrakedMass LoadChangeDevice **BrakeSpecialCharacteristics**
used by	element RollingStockDataset/DesignDataSet
annotation	documentation Characteristics of Air Brakes

source

```
<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
brake                                                          pipe</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                        base="xs:string">
            <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 aoto
continouus brake weight device "0" for wagons without brake system (in
tonns)</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 tonns
variation                                              device</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element     name="AirBrakedMassLoaded"     type="Numeric3-3">
              <xs:annotation>
                <xs:documentation>Braked weight in tonns loaded for change
over                                                   weight</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element                          ref="BrakeSpecialCharacteristics"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

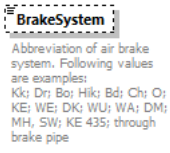
element **AirBrake/NumberOfBrakes**

diagram	NumberOfBrakes Number of air brakes
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric2-2**
properties	content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
annotation	documentation Number of air brakes

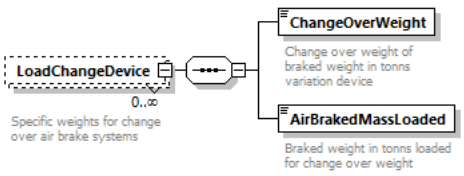
source	`<xs:element name="NumberOfBrakes" type="Numeric2-2">`
	`<xs:annotation>`
	`<xs:documentation>Number of air brakes</xs:documentation>`
	`</xs:annotation>`

	</xs:element>

element **AirBrake/BrakeSystem**

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

element **AirBrake/LoadChangeDevice**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc unbounded content complex
children	**ChangeOverWeight** **AirBrakedMassLoaded**
annotation	documentation Specific weights for change over air brake systems
source	<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 tonns
variation                                                  device</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element        name="AirBrakedMassLoaded"        type="Numeric3-3">
        <xs:annotation>
          <xs:documentation>Braked weight in tonns loaded for change over
weight</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **AirBrake/LoadChangeDevice/ChangeOverWeight**

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

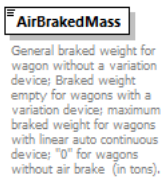
source	`<xs:element name="ChangeOverWeight" type="Numeric3-3">`
	`  <xs:annotation>`
	`  <xs:documentation>Change over weight of braked weight in tonns variation device</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **AirBrake/LoadChangeDevice/AirBrakedMassLoaded**

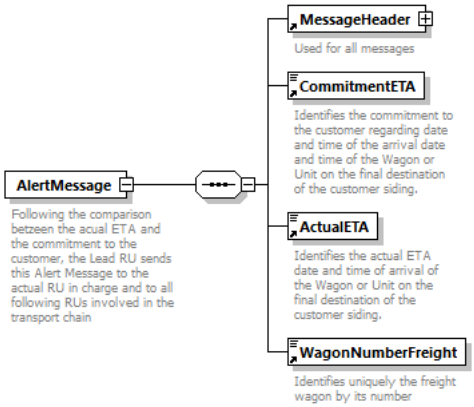
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric3-3**
properties	content simple
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation Braked weight in tonns loaded for change over weight

source	<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>

element **AirBrakedMass**

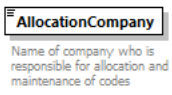
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **AirBrake**
facets	Kind Value Annotation minInclusive 0 maxInclusive 999
annotation	documentation General braked weight for wagon without a variation device; Braked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

element **AlertMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **CommitmentETA** **ActualETA** **WagonNumberFreight**
annotation	documentation Following the comparison betzeen the acual 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

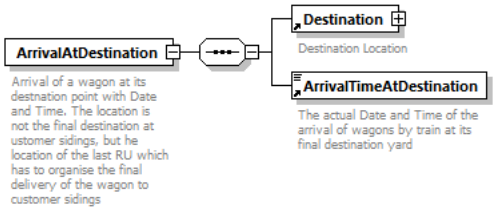
source	`<xs:element name="AlertMessage">`
	`<xs:annotation>`
	`<xs:documentation>Following the comparison betzeen the acual ETA and the commitment to the customer, the Lead RU sends this Alert Message to the actual RU in charge and to all following RUs involved in the transport chain</xs:documentation>`
	`</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>`

element **AllocationCompany**

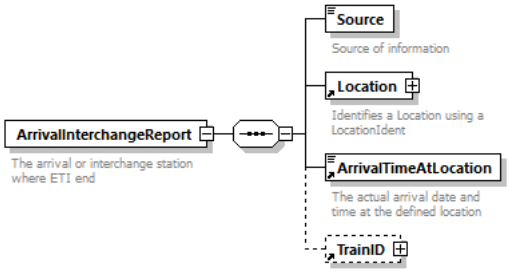
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
used by	elements **LocationSubsidiaryIdentification** **LocationSubsidiaryInformation**
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}

annotation	documentation Name of company who is responsible for allocation and maintenance of codes
source	<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>

element **ArrivalAtDestination**

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

element **ArrivalInterchangeReport**

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

properties	content complex
children	**Source Location ArrivalTimeAtLocation TrainID**
used by	element **WagonETI_ETA_Message**
annotation	documentation The arrival or interchange station where ETI end

source

```
<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>
```

element **ArrivalInterchangeReport/Source**

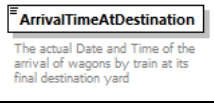
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind / Value / Annotation enumeration — Experienced time of arrival enumeration — Real Time Train Situation enumeration — Estimated time of arrival
annotation	documentation Source of information

source

```
<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>
```

element **ArrivalTimeAtDestination**

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

source	`<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>`

element **ArrivalTimeAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	element **ArrivalInterchangeReport**
annotation	documentation The actual arrival date and time at the defined location

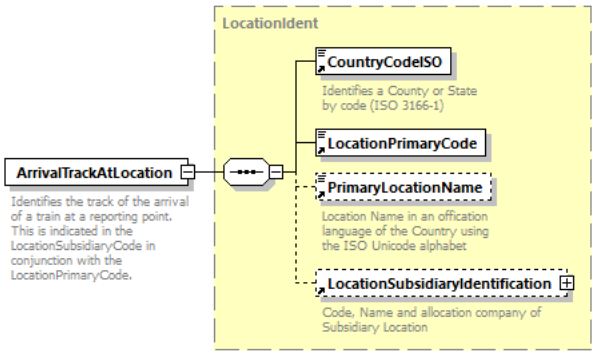
source	`<xs:element name="ArrivalTimeAtLocation" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The actual arrival date and time at the defined location</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ArrivalTimeAtLocationActual**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**

properties	content simple
used by	element **YardArrival**
annotation	documentation The actual arrival date and time at the defined location
source	<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>

element **ArrivalTrackAtLocation**

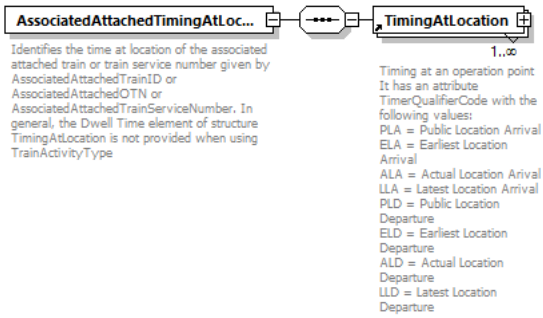
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Identifies the track of the arrival of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode.
source	<xs:element name="ArrivalTrackAtLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>Identifies the track of the arrival of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode.</xs:documentation> </xs:annotation> </xs:element>

element **AssociatedAttachedOTN**

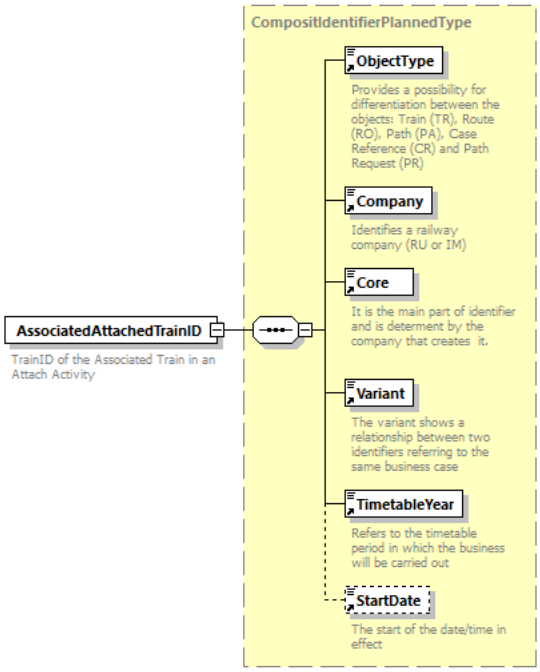
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**String1-8**
properties	content simple
used by	complexType **TrainActivityType**

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

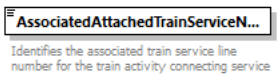
element **AssociatedAttachedTimingAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**TimingAtLocation**
used by	complexType **TrainActivityType**
annotation	documentation Identifies the time at location of the associated attached train or train service number given by AssociatedAttachedTrainID or AssociatedAttachedOTN or AssociatedAttachedTrainServiceNumber. In general, the Dwell Time element of structure TimingAtLocation is not provided when using TrainActivityType
source	<xs:element name="AssociatedAttachedTimingAtLocation"> <xs:annotation> <xs:documentation>Identifies the time at location of the associated attached train or train service number given by AssociatedAttachedTrainID or AssociatedAttachedOTN or AssociatedAttachedTrainServiceNumber. In general, the Dwell Time element of structure TimingAtLocation is not provided when using TrainActivityType</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TimingAtLocation" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:element>

element **AssociatedAttachedTrainID**

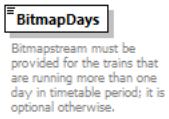
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompositIdentifierPlannedType**
properties	content complex
children	**ObjectType Company Core Variant TimetableYear StartDate**
used by	complexType **TrainActivityType**
annotation	documentation TrainID of the Associated Train in an Attach Activity
source	`<xs:element name="AssociatedAttachedTrainID" type="CompositIdentifierPlannedType"><xs:annotation><xs:documentation>TrainID of the Associated Train in an Attach Activity</xs:documentation></xs:annotation></xs:element>`

element **AssociatedAttachedTrainServiceNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**String1-8**
properties	content simple
used by	complexType **TrainActivityType**
facets	Kind Value Annotation minLength 1 maxLength 8

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

element **BitmapDays**

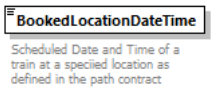
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	elements **PlannedCalendar** **ReferenceTrainIDSubCalendar** **RequestedCalendar**
facets	Kind / Value / Annotation minLength 1 maxLength 740 whiteSpace collapse pattern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

element **BogiePitch**

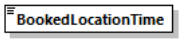
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**

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

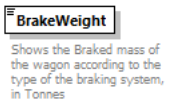
element **BookedLocationDateTime**

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

element **BookedLocationTime**

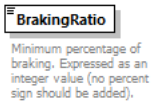
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:time**
properties	content simple
used by	elements **AffectedSection/EndOfSection** **AffectedSection/StartOfSection**
source	<xs:element name="BookedLocationTime" type="xs:time"/>

element **BrakeWeight**

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

source	`<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>`

element **BrakingRatio**

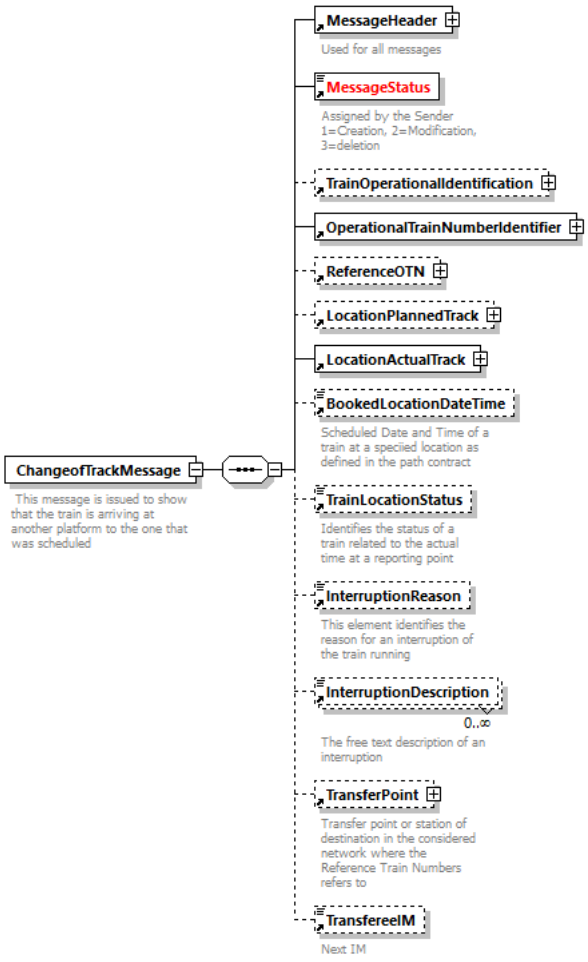
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **PlannedTrainTechnicalData**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Minimum percentage of braking. Expressed as an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

source	`<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">
      <xs:maxInclusive                                      value="999"/>
      <xs:minInclusive                                        value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ChangeofTrackMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **MessageStatus** **TrainOperationalIdentification** **OperationalTrainNumberIdentifier** **ReferenceOTN** **LocationPlannedTrack** **LocationActualTrack** **BookedLocationDateTime** **TrainLocationStatus** **InterruptionReason** **InterruptionDescription** **TransferPoint** **TransfereeIM**
annotation	documentation This message is issued to show that the train is arriving at another platform to the one that was scheduled

source

```
<xs:element                                        name="ChangeofTrackMessage">
  <xs:annotation>
    <xs:documentation> This message is issued to show that the train is
arriving at another platform to the one that was scheduled</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                          ref="MessageHeader"/>
```

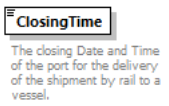
```
      <xs:element                                    ref="MessageStatus">
        <xs:annotation>
          <xs:documentation>Assigned by the Sender 1=Creation,
2=Modification,              3=deletion              </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element    ref="TrainOperationalIdentification"    minOccurs="0"/>
      <xs:element                  ref="OperationalTrainNumberIdentifier"/>
      <xs:element            ref="ReferenceOTN"            minOccurs="0"/>
      <xs:element         ref="LocationPlannedTrack"         minOccurs="0"/>
      <xs:element                                ref="LocationActualTrack"/>
      <xs:element        ref="BookedLocationDateTime"        minOccurs="0">
        <xs:annotation>
          <xs:documentation>Scheduled Date and Time of a train at a speciied
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>
```

element **CityTown**

diagram	CityTown Name of the City or Town in Clear Text
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Name of the City or Town in Clear Text
source	<xs:element name="CityTown"> <xs:annotation> <xs:documentation>Name of the City or Town in Clear Text</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="35"/>

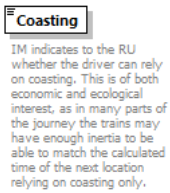
```
      <xs:minLength                                                value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ClosingTime**

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

source	`<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>`

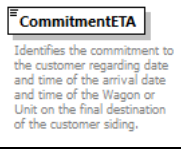
element **Coasting**

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

element **Comments**

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

element **CommitmentETA**

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

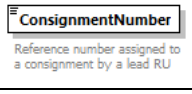
source	`<xs:element name="CommitmentETA" type="xs:dateTime">`
	`<xs:annotation>`
	`<xs:documentation>Identifies the commitment to the customer regarding date and time of the arrival date and time of the Wagon or Unit on the final destination of the customer siding.</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **Company**

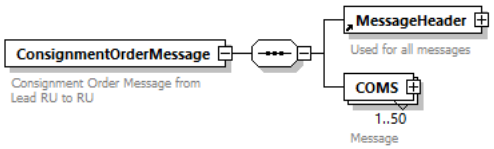
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
used by	complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType**
facets	Kind Value Annotation minLength 4

	maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Identifies a railway company (RU or IM)
source	<xs:element name="Company" type="CompanyCode"> <xs:annotation> <xs:documentation>Identifies a railway company (RU or IM)</xs:documentation> </xs:annotation> </xs:element>

element **ConsignmentNumber**

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

element **ConsignmentOrderMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **COMS**
annotation	documentation Consignment Order Message from Lead RU to RU
source	<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 receipient of the message
(like                                          2185).</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element  name="MessageReferenceNumber"  minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Message     Reference     NumberThis
identification is being generated during creation of the message. This allows
the        tracing        of        the        message.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction                        base="xs:string">
                        <xs:minLength                              value="1"/>
                        <xs:maxLength                              value="18">
                          <xs:annotation>
                            <xs:documentation>Use   here   a   counter,   any
system.</xs:documentation>
                          </xs:annotation>
                        </xs:maxLength>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element       name="ShipmentType"       minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Classification of the wagon order as
'CUV'                      or                        'CIM'.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction                         base="xs:token">
                        <xs:enumeration                            value="CIM">
                          <xs:annotation>
                            <xs:documentation>Regular transport, according in
basic      to      the      CIM      consignment      note.</xs:documentation>
                          </xs:annotation>
                        </xs:enumeration>
```

```
                        <xs: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: RRRRYYYYMMDDNNNNNNN 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>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      take      over      of      the      consignment</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:sequence>
                          <xs:element                              ref="Station"/>
                          <xs:element  ref="ProductionStation"  minOccurs="0"/>
                          <xs:element               ref="PreviousResponsibleRU"
minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>This element identifies the RU,
which was responsible for the train operation on the journey section before
an                    interchange                    point</xs:documentation>
                            </xs:annotation>
                          </xs:element>
                          <xs:element   name="AcceptanceDate"   minOccurs="0">
                            <xs:annotation>
                              <xs:documentation>Date and time (month, day and
hour)    at    which    the    goods    were    accepted.    </xs:documentation>
                            </xs:annotation>
                            <xs:simpleType>
                              <xs:restriction             base="xs:dateTime">
                                <xs:pattern    value=".*00:00[+-]\d{2}:\d{2}"/>
                              </xs:restriction>
```

```
                        </xs:simpleType>
                      </xs:element>
                      <xs:element                    ref="ResponsibleRU"/>
                      <xs:element            name="COM_ConsignmentNumber">
                        <xs:annotation>
                          <xs:documentation>Running number and check digit
of the consignment between Lead RU and Responsible RU. Format: NNNNNC The
number consists of NNNNN = running number C = check digit, </xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction                base="xs:string">
                            <xs:length                         value="6"/>
                            <xs:pattern              value="\d*[1-9]\d*"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element              name="ForwardingTrainNumber"
minOccurs="0">
                        <xs:annotation>
                          <xs:documentation>Train   number   at   shipping
</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction                base="xs:string">
                            <xs:minLength                      value="1"/>
                            <xs:maxLength                      value="6"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element   ref="LoadingFacility"   minOccurs="0"/>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element                            name="DeliveryPoint">
                  <xs:annotation>
                    <xs:documentation>Description of location and time for
the      hand      over      of      the      consignment</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:sequence>
                      <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         complete        consignment</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction                base="xs:string">
                            <xs:minLength                      value="1"/>
                            <xs:maxLength                    value="35"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element   name="WagonGroupInfo"   minOccurs="0">
                        <xs:annotation>
                          <xs:documentation>Consignor          information
regarding the whole consignment. Comparable with the element WagonInfo, but
for                      all                      wagons.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction                base="xs:string">
                            <xs:maxLength                    value="500"/>
                            <xs:minLength                      value="1"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element     name="AttachedDocuments"     minOccurs="0"
maxOccurs="10">
                  <xs:annotation>
                    <xs:documentation>Paper   documents   accompanying   the
transport</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element                      name="DocumentType">
                        <xs:annotation>
                          <xs:documentation>Type code of attached document.
The  UN/DIFACT  1001  list  of  codes  is  to  be  used  to  code  accompanying
documents.</xs:documentation>
```

```
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction                    base="xs:int">
                            <xs:minInclusive                    value="1"/>
                            <xs:maxInclusive                   value="999"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element                name="DocumentInformation"
minOccurs="0">
                        <xs:annotation>
                          <xs:documentation>Additional          information
regarding  the  attached  document  may  be  entered  here.</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction                 base="xs:string">
                            <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:simpleType>
                          <xs:restriction                 base="xs:string">
                            <xs:minLength                       value="1"/>
                            <xs:maxLength                      value="35"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element  name="CommercialSpecifications"  minOccurs="0"
maxOccurs="5">
                  <xs:annotation>
                    <xs:documentation>Commercial
Specification</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element                                name="Code">
                        <xs:annotation>
                          <xs:documentation>Commercial      specifications
code</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction                 base="xs:token"/>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element  name="SpecificationText"  minOccurs="0">
                        <xs:annotation>
                          <xs:documentation>Additional Text for codes with
```

```
free                                                    text</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction                base="xs:string">
                            <xs:minLength                      value="1"/>
                            <xs:maxLength                    value="350"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element                          ref="ContractNumber"/>
                <xs:element          ref="Routing"          minOccurs="0"/>
                <xs:element      ref="SpecialTreatments"      minOccurs="0"
maxOccurs="30"/>
                <xs:element     name="CustomsProcedures"     minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Customs
procedures</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element      ref="RU_Partner"      minOccurs="0">
                        <xs:annotation>
                          <xs:documentation>Code  of  the  RU  entrusted  of
customs                    procedures.                    </xs:documentation>
                        </xs:annotation>
                      </xs:element>
                      <xs:element                          ref="Location"/>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element        name="CustomsData"        minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Customs      Data</xs:documentation>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element      name="SimplifiedTransportProcedure"
minOccurs="0">
                        <xs:annotation>
                          <xs:documentation>Simplified transport procedure
is                      used                        (STP).</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction              base="xs:boolean"/>
                        </xs:simpleType>
                      </xs:element>
                      <xs:element   name="PrincipalRU"   type="CompanyCode"
minOccurs="0">
                        <xs:annotation>
                          <xs:documentation>Code    for    the    principal
RU</xs:documentation>
                        </xs:annotation>
                      </xs:element>
                      <xs:element              name="CustomsSurveillance">
                        <xs:annotation>
```

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

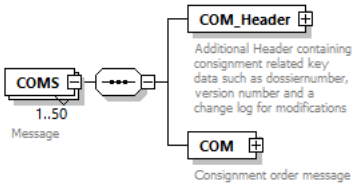
```
                                    </xs:enumeration>
                                    <xs:enumeration                 value="2">
                                      <xs:annotation>
                                        <xs:documentation>Unsatisfactory
packaging:                  ...(give                  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>
                                        <xs:documentation>Loaded    by    the
carrier   in   inclement   weather   at   the   request   of   the   consignor
</xs:documentation>
                                      </xs:annotation>
                                    </xs:enumeration>
                                    <xs:enumeration                 value="7">
                                      <xs:annotation>
                                        <xs:documentation>Unloaded   by   the
consignee</xs:documentation>
                                      </xs:annotation>
                                    </xs:enumeration>
                                    <xs:enumeration                 value="8">
                                      <xs:annotation>
```

```
                                    <xs:documentation>Unloaded by the carrier in ...</xs:documentation>
                                  </xs:annotation>
                                </xs:enumeration>
                                <xs:enumeration value="9.1">
                                  <xs:annotation>
                                    <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of inclement weather </xs:documentation>
                                  </xs:annotation>
                                </xs:enumeration>
                                <xs:enumeration value="9.2">
                                  <xs:annotation>
                                    <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of sealing of the wagon or ITU </xs:documentation>
                                  </xs:annotation>
                                </xs:enumeration>
                                <xs:enumeration value="9.3">
                                  <xs:annotation>
                                    <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of load in the wagon or ITU inaccessible </xs:documentation>
                                  </xs:annotation>
                                </xs:enumeration>
                                <xs:enumeration value="10">
                                  <xs:annotation>
                                    <xs:documentation>Request for examination in accordance with CIM Article 11 section 3 presented late by the consignor</xs:documentation>
                                  </xs:annotation>
                                </xs:enumeration>
                                <xs:enumeration value="11">
                                  <xs:annotation>
                                    <xs:documentation>Examination not made because of a shortage of resources: ... (give details)</xs:documentation>
                                  </xs:annotation>
                                </xs:enumeration>
                                <xs:enumeration value="12">
                                  <xs:annotation>
                                    <xs:documentation>Other reserves: ... (give details)</xs:documentation>
                                  </xs:annotation>
                                </xs:enumeration>
                                <xs:enumeration value="13">
                                  <xs:annotation>
                                    <xs:documentation>Code used for declarations, which are no reservations. This code is not included in the official CIT code list and is not to be printed on the paper consignment note.</xs:documentation>
                                  </xs:annotation>
                                </xs:enumeration>
                              </xs:restriction>
                            </xs:simpleType>
                          </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:sequence>
                      </xs:complexType>
                    </xs:element>
                    <xs:element ref="Wagons" maxOccurs="99">
                      <xs:annotation>
                        <xs:documentation>Contains list of transported Goods,
Wagons and ITU etc.</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element name="WagonPreviousNumberFreight"
minOccurs="0" maxOccurs="20">
                      <xs:annotation>
                        <xs:documentation>Identifies the previous freight wagon
if a shipment or Intermodal unit has changed the wagon during its
journey</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:string">
                          <xs:length value="12"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
```

```
                    <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                          base="xs:string">
                          <xs:minLength                               value="1"/>
                          <xs:maxLength                             value="150"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element    ref="AgreedTimeOfDelivery"    minOccurs="0"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 1 maxOcc 50 content complex
children	**COM_Header COM**
annotation	documentation Message

```
source
<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 receipient of the message (like
2185).</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element     name="MessageReferenceNumber"     minOccurs="0">
              <xs:annotation>
                <xs:documentation>Message Reference NumberThis identification
is being generated during creation of the message. This allows the tracing of
the                                          message.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                              base="xs:string">
                  <xs:minLength                                    value="1"/>
                  <xs:maxLength                                    value="18">
                    <xs:annotation>
                      <xs:documentation>Use    here    a    counter,    any
system.</xs:documentation>
                    </xs:annotation>
                  </xs:maxLength>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element          name="ShipmentType"          minOccurs="0">
              <xs:annotation>
                <xs:documentation>Classification of the wagon order as 'CUV'
or                                           'CIM'.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                              base="xs:token">
                  <xs:enumeration                                value="CIM">
                    <xs:annotation>
                      <xs:documentation>Regular transport, according in basic
to        the        CIM        consignment        note.</xs:documentation>
                    </xs:annotation>
                  </xs:enumeration>
                  <xs: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: RRRRYYYYMMDDNNNNNNN 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>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
take        over        of        the        consignment</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element                                      ref="Station"/>
                    <xs:element     ref="ProductionStation"     minOccurs="0"/>
                    <xs:element   ref="PreviousResponsibleRU"   minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>This element identifies the RU, which
was responsible for the train operation on the journey section before an
interchange                                          point</xs:documentation>
                      </xs:annotation>
                    </xs:element>
                    <xs:element      name="AcceptanceDate"      minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Date and time (month, day and hour)
at     which     the     goods     were     accepted.     </xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction                      base="xs:dateTime">
                          <xs:pattern         value=".*00:00[+-]\d{2}:\d{2}"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element                                ref="ResponsibleRU"/>
                    <xs:element                     name="COM_ConsignmentNumber">
                      <xs:annotation>
                        <xs:documentation>Running number and check digit of the
consignment between Lead RU and Responsible RU. Format: NNNNNC The number
consists of NNNNN = running number C = check digit, </xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction                        base="xs:string">
                          <xs:length                                 value="6"/>
                          <xs:pattern                    value="\d*[1-9]\d*"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element   name="ForwardingTrainNumber"   minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Train     number     at     shipping
</xs:documentation>
```

```
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction                          base="xs:string">
                        <xs:minLength                              value="1"/>
                        <xs:maxLength                              value="6"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element      ref="LoadingFacility"      minOccurs="0"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element                                  name="DeliveryPoint">
              <xs:annotation>
                <xs:documentation>Description of location and time for the
hand        over        of        the        consignment</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <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
complete                                    consignment</xs:documentation>
```

```
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction                    base="xs:string">
                        <xs:minLength                          value="1"/>
                        <xs:maxLength                        value="35"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element      name="WagonGroupInfo"      minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Consignor information regarding the
whole consignment. Comparable with the element WagonInfo, but for all
wagons.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction                    base="xs:string">
                        <xs:maxLength                        value="500"/>
                        <xs:minLength                          value="1"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element        name="AttachedDocuments"        minOccurs="0"
maxOccurs="10">
              <xs:annotation>
                <xs:documentation>Paper    documents    accompanying    the
transport</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element                              name="DocumentType">
                    <xs:annotation>
                      <xs:documentation>Type code of attached document. The
UN/DIFACT 1001 list of codes is to be used to code accompanying
documents.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction                        base="xs:int">
                        <xs:minInclusive                       value="1"/>
                        <xs:maxInclusive                     value="999"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element    name="DocumentInformation"    minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Additional information regarding the
attached    document    may    be    entered    here.</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction                    base="xs:string">
                        <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:simpleType>
                        <xs:restriction base="xs:string">
                          <xs:minLength value="1"/>
                          <xs:maxLength value="35"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element name="CommercialSpecifications" minOccurs="0"
maxOccurs="5">
                <xs:annotation>
                  <xs:documentation>Commercial
Specification</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element name="Code">
                      <xs:annotation>
                        <xs:documentation>Commercial specifications
code</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:token"/>
                      </xs:simpleType>
                    </xs:element>
                    <xs:element name="SpecificationText" minOccurs="0">
                      <xs:annotation>
                        <xs:documentation>Additional Text for codes with free
text</xs:documentation>
                      </xs:annotation>
                      <xs:simpleType>
                        <xs:restriction base="xs:string">
                          <xs:minLength value="1"/>
                          <xs:maxLength value="350"/>
                        </xs:restriction>
                      </xs:simpleType>
                    </xs:element>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element ref="ContractNumber"/>
              <xs:element ref="Routing" minOccurs="0"/>
              <xs:element ref="SpecialTreatments" minOccurs="0"
maxOccurs="30"/>
              <xs:element name="CustomsProcedures" minOccurs="0">
                <xs:annotation>
                  <xs:documentation>Customs procedures</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element ref="RU_Partner" minOccurs="0">
```

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

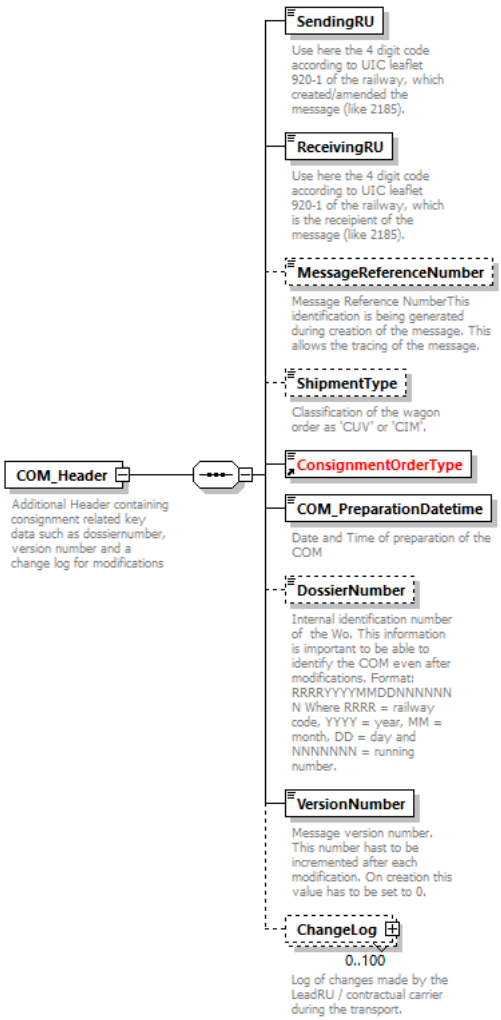
```
                <xs:annotation>
                  <xs:documentation>Carriers    declaration</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element      name="RU_Declaration"      minOccurs="0"
maxOccurs="30">
                      <xs:annotation>
                        <xs:documentation>Details     of     the     carriers
declaration.</xs:documentation>
                      </xs:annotation>
                      <xs:complexType>
                        <xs:sequence>
                          <xs:element  name="DeclaringRU"  type="CompanyCode">
                            <xs:annotation>
                              <xs:documentation>Code of carrier, who added the
declaration.</xs:documentation>
                            </xs:annotation>
                          </xs:element>
                          <xs:element               name="RU_DeclarationCode">
                            <xs:annotation>
                              <xs:documentation>Carrier    declaration    code.
</xs: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>
                                <xs:documentation>Loaded by the carrier in inclement weather at the request of the consignor </xs:documentation>
                              </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration value="7">
                              <xs:annotation>
                                <xs:documentation>Unloaded by the consignee</xs:documentation>
                              </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration value="8">
                              <xs:annotation>
                                <xs:documentation>Unloaded by the carrier in ...</xs:documentation>
                              </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration value="9.1">
                              <xs:annotation>
                                <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of inclement weather </xs:documentation>
                              </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration value="9.2">
                              <xs:annotation>
                                <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of sealing of the wagon or ITU </xs:documentation>
                              </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration value="9.3">
                              <xs:annotation>
                                <xs:documentation>Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of load in the wagon or ITU inaccessible </xs:documentation>
                              </xs:annotation>
                            </xs:enumeration>
                            <xs:enumeration value="10">
```

```
                                <xs:annotation>
                                  <xs:documentation>Request for examination
in accordance with CIM Article 11 section 3 presented late by the
consignor</xs:documentation>
                                </xs:annotation>
                              </xs:enumeration>
                              <xs:enumeration                    value="11">
                                <xs:annotation>
                                  <xs:documentation>Examination not made
because of a shortage of resources: ... (give details)</xs:documentation>
                                </xs:annotation>
                              </xs:enumeration>
                              <xs:enumeration                    value="12">
                                <xs:annotation>
                                  <xs:documentation>Other reserves: ... (give
details)</xs:documentation>
                                </xs:annotation>
                              </xs:enumeration>
                              <xs:enumeration                    value="13">
                                <xs:annotation>
                                  <xs:documentation>Code      used      for
declarations, which are no reservations. This code is not included in the
official CIT code list and is not to be printed on the paper consignment
note.</xs:documentation>
                                </xs:annotation>
                              </xs:enumeration>
                            </xs:restriction>
                          </xs:simpleType>
                        </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:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element              ref="Wagons"              maxOccurs="99">
              <xs:annotation>
                <xs:documentation>Contains list of transported Goods, Wagons
and                        ITU                          etc.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element    name="WagonPreviousNumberFreight"    minOccurs="0"
maxOccurs="20">
              <xs:annotation>
                <xs:documentation>Identifies the previous freight wagon if a
shipment   or   Intermodal   unit   has   changed   the   wagon   during   its
journey</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                                 base="xs:string">
                  <xs:length                                         value="12"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <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                                 base="xs:string">
                  <xs:minLength                                       value="1"/>
                  <xs:maxLength                                     value="150"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element      ref="AgreedTimeOfDelivery"      minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ConsignmentOrderMessage/COMS/COM_Header**

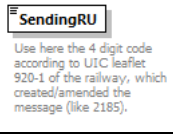
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	SendingRU ReceivingRU MessageReferenceNumber ShipmentType **ConsignmentOrderType** COM_PreparationDatetime DossierNumber VersionNumber ChangeLog
annotation	documentation Additional Header containing consignment related key data such as dossiernumber, version number and a change log for modifications
source	<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 receipient of the message (like
2185).</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element        name="MessageReferenceNumber"        minOccurs="0">
        <xs:annotation>
          <xs:documentation>Message Reference NumberThis identification is
being generated during creation of the message. This allows the tracing of
the                                          message.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                  base="xs:string">
            <xs:minLength                                        value="1"/>
            <xs:maxLength                                        value="18">
              <xs:annotation>
                <xs:documentation>Use      here      a      counter,      any
system.</xs:documentation>
              </xs:annotation>
            </xs:maxLength>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element             name="ShipmentType"             minOccurs="0">
        <xs:annotation>
          <xs:documentation>Classification of the wagon order as 'CUV' or
'CIM'.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                 base="xs:token">
            <xs:enumeration                                     value="CIM">
              <xs:annotation>
                <xs:documentation>Regular transport, according in basic to
the           CIM           consignment           note.</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs: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: RRRRYYYYMMDDNNNNNNN 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>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>
```

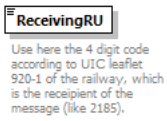
```
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which created/amended the message (like 2185).

source	`<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>`

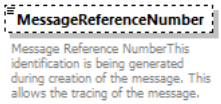
element **ConsignmentOrderMessage/COMS/COM_Header/ReceivingRU**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the receipient of the message (like 2185).

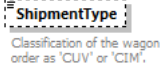
source	`<xs:element name="ReceivingRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Use here the 4 digit code according to UIC leaflet 920-1 of the railway, which is the receipient of the message (like 2185).</xs:documentation>`
	`  </xs:annotation>`

	</xs:element>

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 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	<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>

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

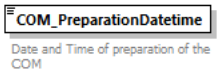
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation enumeration CIM documentation Regular transport, according in basic to the CIM consignment note. enumeration CUV documentation Transport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

	then the ShipmentType has to be set to CIM. For the empty wagons the loading status has to be set in the WagonDetails.
annotation	documentation Classification of the wagon order as 'CUV' or 'CIM'.

source

```
<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 base="xs:token">
      <xs:enumeration value="CIM">
        <xs:annotation>
          <xs:documentation>Regular transport, according in basic to the CIM consignment note.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs: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>
```

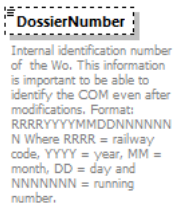
element **ConsignmentOrderMessage/COMS/COM_Header/COM_PreparationDatetime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:dateTime**
properties	content simple
facets	Kind Value Annotation pattern .*[+-]\d{2}:\d{2}
annotation	documentation Date and Time of preparation of the COM

source

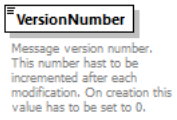
```
<xs:element name="COM_PreparationDatetime">
  <xs:annotation>
    <xs:documentation>Date and Time of preparation of the COM</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:dateTime">
      <xs:pattern value=".*[+-]\d{2}:\d{2}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

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

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

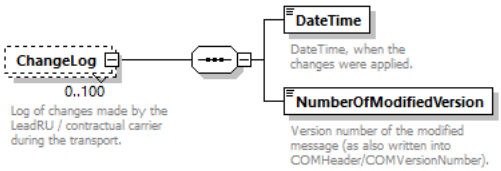
source	`<xs:element name="DossierNumber" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>Internal identification number of the Wo. This information is important to be able to identify the COM even after modifications. Format: RRRRYYYYMMDDNNNNNNN Where RRRR = railway code, YYYY = year, MM = month, 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>`

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

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

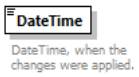
element **ConsignmentOrderMessage/COMS/COM_Header/ChangeLog**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 100 content complex
children	DateTime NumberOfModifiedVersion
annotation	documentation Log of changes made by the LeadRU / contractual carrier during the transport.

source

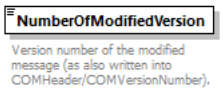
```
<xs:element       name="ChangeLog"       minOccurs="0"       maxOccurs="100">
  <xs:annotation>
    <xs:documentation>Log of changes made by the LeadRU / contractual carrier
during                    the                    transport.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <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>
```

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:dateTime**
properties	content simple
annotation	documentation DateTime, when the changes were applied.

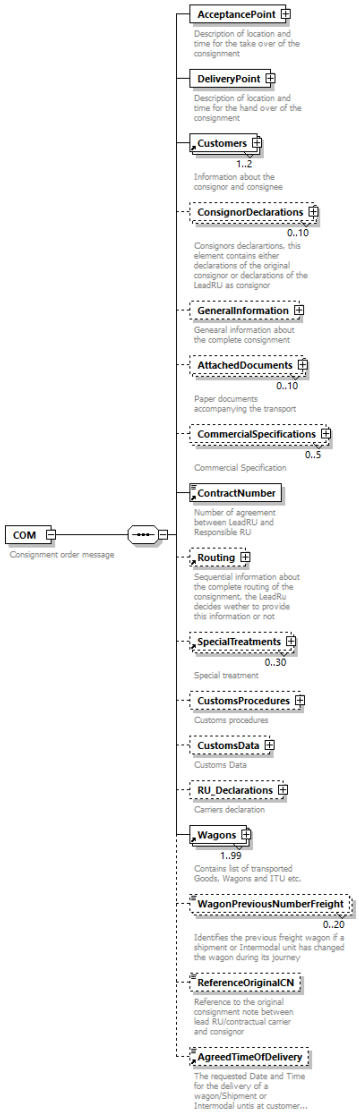
source	`<xs:element name="DateTime">`
	`<xs:annotation>`
	`<xs:documentation>DateTime, when the changes were applied.</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="xs:dateTime"/>`
	`</xs:simpleType>`
	`</xs:element>`

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	content simple
annotation	documentation Version number of the modified message (as also written into COMHeader/COMVersionNumber).

source	`<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>`

element **ConsignmentOrderMessage/COMS/COM**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**AcceptancePoint DeliveryPoint Customers ConsignorDeclarations GeneralInformation AttachedDocuments CommercialSpecifications ContractNumber Routing SpecialTreatments CustomsProcedures CustomsData RU_Declarations Wagons WagonPreviousNumberFreight ReferenceOriginalCN AgreedTimeOfDelivery**
annotation	documentation Consignment order message

source	`<xs:element name="COM">`
	`<xs:annotation>`
	`<xs:documentation>Consignment order message</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element name="AcceptancePoint">`
	`<xs:annotation>`
	`<xs:documentation>Description of location and time for the take over of the consignment</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`

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

```
            <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
complete                                        consignment</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                                 base="xs:string">
                  <xs:minLength                                       value="1"/>
                  <xs:maxLength                                     value="35"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element         name="WagonGroupInfo"         minOccurs="0">
              <xs:annotation>
                <xs:documentation>Consignor information regarding the whole
consignment.  Comparable  with  the  element  WagonInfo,  but  for  all
wagons.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                                 base="xs:string">
                  <xs:maxLength                                     value="500"/>
                  <xs:minLength                                       value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
```

```
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element  name="AttachedDocuments"  minOccurs="0"  maxOccurs="10">
        <xs:annotation>
          <xs:documentation>Paper      documents      accompanying      the
transport</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element                                    name="DocumentType">
              <xs:annotation>
                <xs:documentation>Type  code  of  attached  document.  The
UN/DIFACT  1001  list  of  codes  is  to  be  used  to  code  accompanying
documents.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                                  base="xs:int">
                  <xs:minInclusive                                  value="1"/>
                  <xs:maxInclusive                                 value="999"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element      name="DocumentInformation"      minOccurs="0">
              <xs:annotation>
                <xs:documentation>Additional  information  regarding  the
attached     document     may     be     entered     here.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                               base="xs:string">
                  <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:simpleType>
                <xs:restriction                               base="xs:string">
                  <xs:minLength                                      value="1"/>
                  <xs:maxLength                                    value="35"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element       name="CommercialSpecifications"       minOccurs="0"
maxOccurs="5">
        <xs:annotation>
          <xs:documentation>Commercial      Specification</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
```

```
            <xs:element                                          name="Code">
              <xs:annotation>
                <xs:documentation>Commercial                    specifications
code</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                                base="xs:token"/>
              </xs:simpleType>
            </xs:element>
            <xs:element       name="SpecificationText"        minOccurs="0">
              <xs:annotation>
                <xs:documentation>Additional   Text   for   codes   with   free
text</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                                base="xs:string">
                  <xs:minLength                                      value="1"/>
                  <xs:maxLength                                   value="350"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element                                        ref="ContractNumber"/>
      <xs:element                ref="Routing"                minOccurs="0"/>
      <xs:element   ref="SpecialTreatments"   minOccurs="0"   maxOccurs="30"/>
      <xs:element           name="CustomsProcedures"           minOccurs="0">
        <xs:annotation>
          <xs:documentation>Customs             procedures</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element            ref="RU_Partner"            minOccurs="0">
              <xs:annotation>
                <xs:documentation>Code   of   the   RU   entrusted   of   customs
procedures.                                                  </xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element                                          ref="Location"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element              name="CustomsData"              minOccurs="0">
        <xs:annotation>
          <xs:documentation>Customs                  Data</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element  name="SimplifiedTransportProcedure"  minOccurs="0">
              <xs:annotation>
                <xs:documentation>Simplified  transport  procedure  is  used
(STP).</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                                base="xs:boolean"/>
              </xs:simpleType>
            </xs:element>
```

```
            <xs:element name="PrincipalRU" type="CompanyCode" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Code for the principal
RU</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="CustomsSurveillance">
              <xs:annotation>
                <xs:documentation>Good under customs
surveillance</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:boolean"/>
              </xs:simpleType>
            </xs:element>
            <xs:element name="CustomsEndorsements" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Reserved for endorsements by customs or a
consignor/consignee authorised by customs. Data element in accordance with
Regulation (EC) 1875/2006).</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <xs:minLength value="1"/>
                  <xs:maxLength value="350"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="RU_Declarations" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Carriers declaration</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="RU_Declaration" minOccurs="0" maxOccurs="30">
              <xs:annotation>
                <xs:documentation>Details of the carriers
declaration.</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="DeclaringRU" type="CompanyCode">
                    <xs:annotation>
                      <xs:documentation>Code of carrier, who added the
declaration.</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element name="RU_DeclarationCode">
                    <xs:annotation>
                      <xs:documentation>Carrier declaration code.
</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction base="xs:string">
                        <xs:enumeration value="1">
```

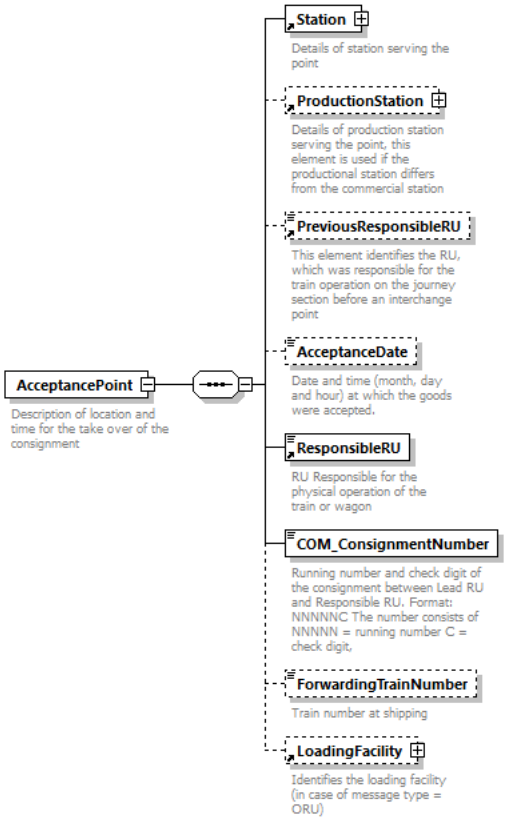
```
                        <xs:annotation>
                          <xs:documentation>Without
packing</xs:documentation>
                        </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration                              value="2">
                        <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>
                          <xs:documentation>Loaded  by  the  carrier  in
inclement  weather  at  the  request  of  the  consignor </xs:documentation>
                        </xs:annotation>
                      </xs:enumeration>
                      <xs:enumeration                              value="7">
                        <xs:annotation>
                          <xs:documentation>Unloaded         by         the
consignee</xs:documentation>
                        </xs:annotation>
```

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

```
                    </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:sequence>
          </xs:complexType>
        </xs:element>
        <xs:element                ref="Wagons"                maxOccurs="99">
          <xs:annotation>
            <xs:documentation>Contains  list  of  transported  Goods,  Wagons  and
ITU                                                    etc.</xs:documentation>
          </xs:annotation>
        </xs:element>
        <xs:element      name="WagonPreviousNumberFreight"      minOccurs="0"
maxOccurs="20">
          <xs:annotation>
            <xs:documentation>Identifies  the  previous  freight  wagon  if  a
shipment  or  Intermodal  unit  has  changed  the  wagon  during  its
journey</xs:documentation>
          </xs:annotation>
          <xs:simpleType>
            <xs:restriction                                  base="xs:string">
              <xs:length                                          value="12"/>
            </xs:restriction>
          </xs:simpleType>
        </xs:element>
        <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                                    base="xs:string">
            <xs:minLength                                          value="1"/>
            <xs:maxLength                                        value="150"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element          ref="AgreedTimeOfDelivery"          minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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

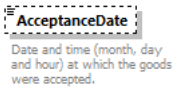
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Station ProductionStation PreviousResponsibleRU AcceptanceDate ResponsibleRU COM_ConsignmentNumber ForwardingTrainNumber LoadingFacility**
annotation	documentation Description of location and time for the take over of the consignment

source	`<xs:element name="AcceptancePoint">`
	`<xs:annotation>`
	`<xs:documentation>Description of location and time for the take over of the consignment</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`

```
    <xs:sequence>
      <xs:element                                              ref="Station"/>
      <xs:element          ref="ProductionStation"           minOccurs="0"/>
      <xs:element        ref="PreviousResponsibleRU"          minOccurs="0">
        <xs:annotation>
          <xs:documentation>This element identifies the RU, which was
responsible for the train operation on the journey section before an
interchange                                              point</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element           name="AcceptanceDate"            minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date and time (month, day and hour) at which the
goods             were             accepted.             </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                  base="xs:dateTime">
            <xs:pattern                      value=".*00:00[+-]\d{2}:\d{2}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs: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>
```

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

diagram

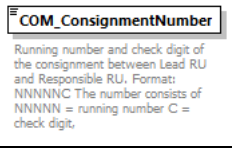


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern .*00:00[+-]\d{2}:\d{2}
annotation	documentation Date and time (month, day and hour) at which the goods were accepted.

source

```
<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>
```

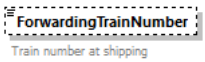
element **ConsignmentOrderMessage/COMS/COM/AcceptancePoint/COM_ConsignmentNumber**

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

source

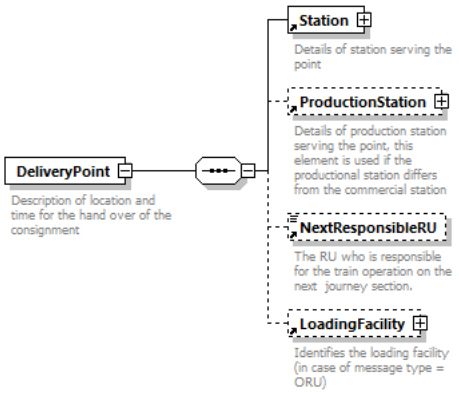
```
<xs:element name="COM_ConsignmentNumber">
  <xs:annotation>
    <xs:documentation>Running number and check digit of the consignment between Lead RU and Responsible RU. Format: NNNNNC The number consists of NNNNN = running number C = check digit,</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="6"/>
      <xs:pattern value="\d*[1-9]\d*"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 6
annotation	documentation Train number at shipping

source	`<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>`

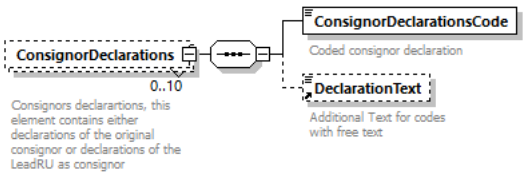
element **ConsignmentOrderMessage/COMS/COM/DeliveryPoint**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Station ProductionStation NextResponsibleRU LoadingFacility**
annotation	documentation Description of location and time for the hand over of the consignment

source	`<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>`

```
      <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>
```

element **ConsignmentOrderMessage/COMS/COM/ConsignorDeclarations**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 10 content complex
children	**ConsignorDeclarationsCode** **DeclarationText**
annotation	documentation Consignors declarartions, this element contains either declarations of the original consignor or declarations of the LeadRU as consignor

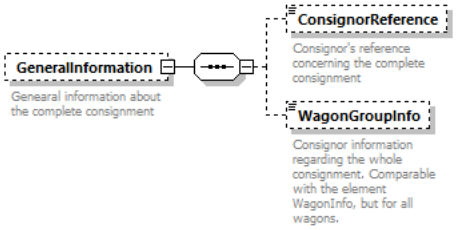
source	`<xs:element name="ConsignorDeclarations" minOccurs="0" maxOccurs="10">`
	`  <xs:annotation>`
	`  <xs:documentation>Consignors declarartions, this element contains either declarations of the original consignor or declarations of the LeadRU as consignor</xs:documentation>`
	`  </xs:annotation>`
	`  <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>`

element **ConsignmentOrderMessage/COMS/COM/ConsignorDeclarations/ConsignorDeclarationsCode**

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

```
  <xs:annotation>
    <xs:documentation>Coded consignor declaration</xs:documentation>
  </xs:annotation>
</xs:element>
```

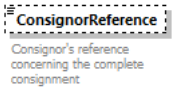
element **ConsignmentOrderMessage/COMS/COM/GeneralInformation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**ConsignorReference** **WagonGroupInfo**
annotation	documentation Genearal information about the complete consignment
source	see below

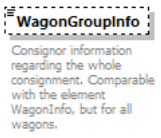
```
<xs:element name="GeneralInformation" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Genearal information about the complete consignment</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ConsignorReference" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Consignor's reference concerning the complete consignment</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="WagonGroupInfo" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Consignor information regarding the whole consignment. Comparable with the element WagonInfo, but for all wagons.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="500"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
```

	</xs:element>

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

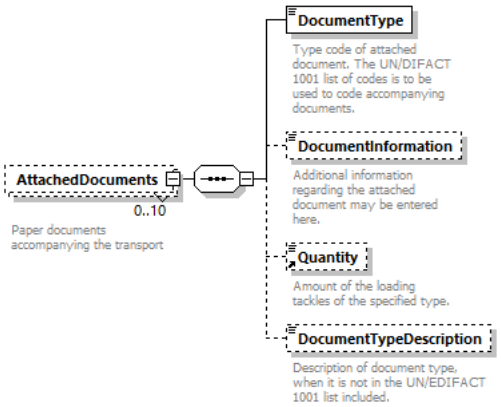
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Consignor's reference concerning the complete consignment
source	<xs:element name="ConsignorReference"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

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

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

```
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                    base="xs:string">
      <xs:maxLength                                        value="500"/>
      <xs:minLength                                          value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

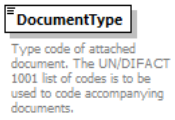
element **ConsignmentOrderMessage/COMS/COM/AttachedDocuments**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 10 content complex
children	**DocumentType** **DocumentInformation** **Quantity** **DocumentTypeDescription**
annotation	documentation Paper documents accompanying the transport
source	see below

```
<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                                  base="xs:int">
            <xs:minInclusive                                  value="1"/>
            <xs:maxInclusive                                value="999"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element          name="DocumentInformation"          minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional information regarding the attached
document may be entered here.</xs:documentation>
        </xs:annotation>
```

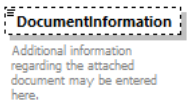
```
        <xs:simpleType>
          <xs:restriction                                    base="xs:string">
            <xs:minLength                                          value="1"/>
            <xs:maxLength                                        value="35"/>
          </xs:restriction>
        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

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Type code of attached document. The UN/DIFACT 1001 list of codes is to be used to code accompanying documents.

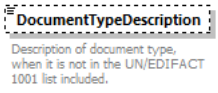
```
<xs:element                                                  name="DocumentType">
  <xs:annotation>
    <xs:documentation>Type code of attached document. The UN/DIFACT 1001 list
of codes is to be used to code accompanying documents.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                          base="xs:int">
      <xs:minInclusive                                         value="1"/>
      <xs:maxInclusive                                       value="999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Additional information regarding the attached document may be entered here.

source	`<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 base="xs:string">`
	`<xs:minLength value="1"/>`
	`<xs:maxLength value="35"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

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

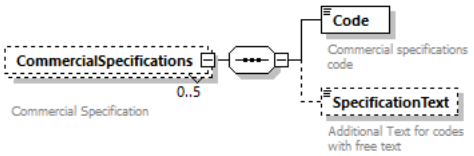
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Description of document type, when it is not in the UN/EDIFACT 1001 list included.

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

```
  </xs:simpleType>
</xs:element>
```

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

diagram



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

properties:
- minOcc 0
- maxOcc 5
- content complex

children: **Code** **SpecificationText**

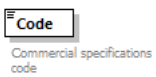
annotation: documentation
Commercial Specification

source

```
<xs:element name="CommercialSpecifications" minOccurs="0" maxOccurs="5">
  <xs:annotation>
    <xs:documentation>Commercial Specification</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Code">
        <xs:annotation>
          <xs:documentation>Commercial specifications
code</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:token"/>
        </xs:simpleType>
      </xs:element>
      <xs:element name="SpecificationText" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional Text for codes with free
text</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="350"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

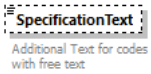
element **ConsignmentOrderMessage/COMS/COM/CommercialSpecifications/Code**

diagram

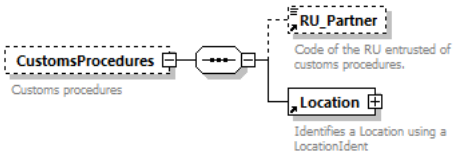


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
annotation	documentation Commercial specifications code
source	<xs:element name="Code"> <xs:annotation> <xs:documentation>Commercial specifications code</xs:documentation> </xs:annotation>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

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

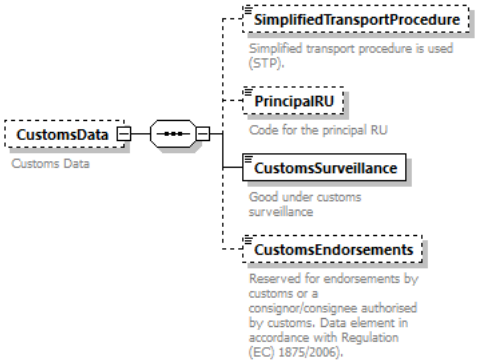
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Additional Text for codes with free text
source	<xs:element name="SpecificationText"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

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

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

properties	minOcc 0 maxOcc 1 content complex
children	**RU_Partner Location**
annotation	documentation Customs procedures
source	<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>

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**SimplifiedTransportProcedure PrincipalRU CustomsSurveillance CustomsEndorsements**
annotation	documentation Customs Data
source	<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>
```

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

diagram	SimplifiedTransportProcedure Simplified transport procedure is used (STP).
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Simplified transport procedure is used (STP).

source

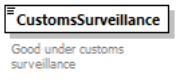
```
<xs:element          name="SimplifiedTransportProcedure"          minOccurs="0">
  <xs:annotation>
    <xs:documentation>Simplified      transport      procedure      is      used
(STP).</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                  base="xs:boolean"/>
  </xs:simpleType>
```

	</xs:element>

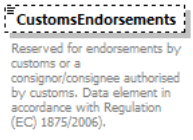
element **ConsignmentOrderMessage/COMS/COM/CustomsData/PrincipalRU**

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

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:boolean**
properties	content simple
annotation	documentation Good under customs surveillance
source	<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>

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

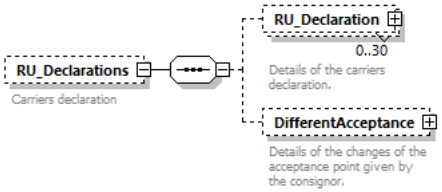
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Reserved for endorsements by customs or a consignor/consignee authorised by customs. Data element in accordance with Regulation (EC) 1875/2006).

source

```
<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>
```

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**RU_Declaration** **DifferentAcceptance**
annotation	documentation Carriers declaration

source

```
<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>
```

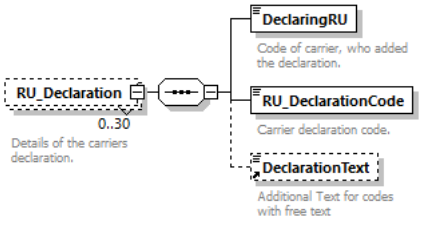
```
                <xs:documentation>Code of carrier, who added the
declaration.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element                              name="RU_DeclarationCode">
              <xs:annotation>
                <xs:documentation>Carrier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

```
                    </xs:enumeration>
                    <xs:enumeration                                    value="13">
                      <xs:annotation>
                        <xs:documentation>Code used for declarations, which are
no reservations. This code is not included in the official CIT code list and
is not to be printed on the paper consignment note.</xs:documentation>
                      </xs:annotation>
                    </xs:enumeration>
                  </xs:restriction>
                </xs:simpleType>
              </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:sequence>
    </xs:complexType>
</xs:element>
```

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

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 30 content complex
children	**DeclaringRU RU_DeclarationCode DeclarationText**
annotation	documentation Details of the carriers declaration.

source

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

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

```
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration                                    value="11">
            <xs:annotation>
              <xs:documentation>Examination not made because of a shortage
of       resources:       ...       (give       details)</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration                                    value="12">
            <xs:annotation>
              <xs:documentation>Other      reserves:      ...      (give
details)</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
          <xs:enumeration                                    value="13">
            <xs:annotation>
              <xs:documentation>Code used for declarations, which are no
reservations. This code is not included in the official CIT code list and is
not to be printed on the paper consignment note.</xs:documentation>
            </xs:annotation>
          </xs:enumeration>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element          ref="DeclarationText"          minOccurs="0"/>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

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

diagram	DeclaringRU Code of carrier, who added the declaration.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Code of carrier, who added the declaration.

source	`<xs:element name="DeclaringRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Code of carrier, who added the declaration.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element

ConsignmentOrderMessage/COMS/COM/RU_Declarations/RU_Declaration/RU_DeclarationCode

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

facets

Kind	Value	Annotation
enumeration	1	documentation Without packing
enumeration	2	documentation Unsatisfactory packaging: ...(give details)
enumeration	3	documentation Insufficient packaging: ... (give details)
enumeration	4.1	documentation Goods clearly in poor condition: ... (give details)
enumeration	4.2	documentation Goods damaged:(give details)
enumeration	4.3	documentation Goods wet: ... (give details)
enumeration	4.4	documentation Goods frozen: ... (give details)
enumeration	5	documentation Loaded by the consignor
enumeration	6	documentation Loaded by the carrier in inclement weather at the request of the consignor
enumeration	7	documentation Unloaded by the consignee
enumeration	8	documentation Unloaded by the carrier in ...
enumeration	9.1	documentation Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of inclement weather
enumeration	9.2	documentation Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of sealing of the wagon or ITU
enumeration	9.3	documentation Inclement weather, at the request of the consignee Impossible to make the examination in accordance with CIM Article 11 section 3, because of load in the wagon or ITU inaccessible
enumeration	10	documentation Request for examination in accordance with CIM Article 11 section 3 presented late by the consignor
enumeration	11	documentation Examination not made because of a shortage of resources: ... (give details)
enumeration	12	documentation Other reserves: ... (give details)
enumeration	13	documentation Code used for declarations, which are no reservations. This code is not included in the official CIT code list and is not to be printed on the paper consignment note.

annotation

documentation
Carrier declaration code.

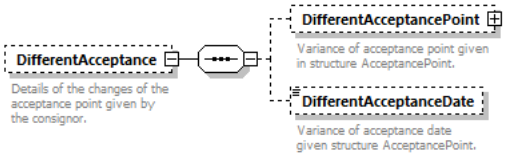
source

```
<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>
          <xs:documentation>Loaded by the carrier in inclement weather at the
request of the consignor </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="7">
        <xs:annotation>
          <xs:documentation>Unloaded by the consignee</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="8">
        <xs:annotation>
          <xs:documentation>Unloaded by the carrier in ...</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
```

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

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

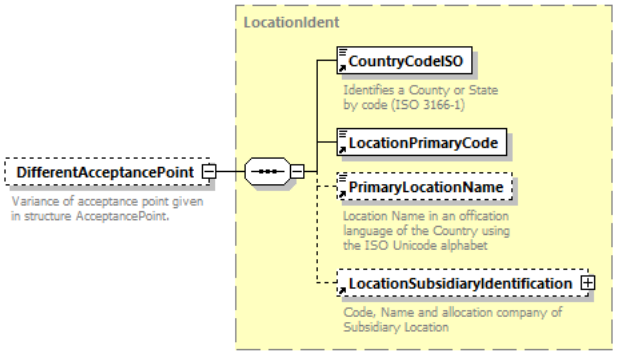
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**DifferentAcceptancePoint** **DifferentAcceptanceDate**
annotation	documentation Details of the changes of the acceptance point given by the consignor.

source

```
<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>
```

element
ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance/DifferentAcceptanceP

oint

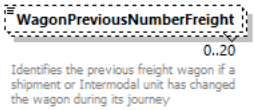
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification**
annotation	documentation Variance of acceptance point given in structure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

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

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

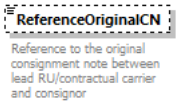
```
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 20 content simple
facets	Kind Value Annotation length 12
annotation	documentation Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey

source	`<xs:element name="WagonPreviousNumberFreight" minOccurs="0" maxOccurs="20">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the previous freight wagon if a shipment or Intermodal unit has changed the wagon during its journey</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="12"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 150
annotation	documentation Reference to the original consignment note between lead RU/contractual carrier and consignor

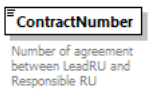
source	`<xs:element name="ReferenceOriginalCN" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Reference to the original consignment note between lead RU/contractual carrier and consignor</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`

```
    <xs:restriction                                    base="xs:string">
      <xs:minLength                                          value="1"/>
      <xs:maxLength                                        value="150"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ContainerHandlingFlag**

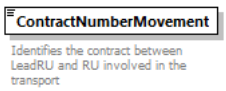
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	content simple
used by	element **LocationPrimaryInformation**
annotation	documentation This establishment is able to handle container traffic
source	`<xs:element name="ContainerHandlingFlag" type="xs:boolean">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

element **ContractNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	elements **ConsignmentOrderMessage/COMS/COM** **WIMO_Dataset/ConsignmentLevelData**
facets	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	`<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`

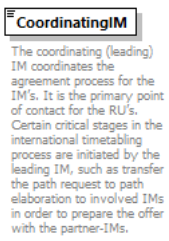
```
necessary)</xs:documentation>
        </xs:annotation>
      </xs:minLength>
      <xs:maxLength                                                value="6"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ContractNumberMovement**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**FreeText**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Identifies the contract between LeadRU and RU involved in the transport

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

element **CoordinatingIM**

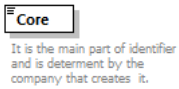
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
used by	elements **PathCanceledMessage** **PathConfirmedMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
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

```
<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>
```

element **Core**

diagram



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

type: restriction of **xs:string**

properties: content simple

used by: complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType**

facets

Kind	Value	Annotation
minLength	12	
maxLength	12	
whiteSpace	replace	
pattern	[\-*0-9A-Z]{12}	

annotation

documentation
It is the main part of identifier and is determent by the company that creates it.

source

```
<xs:element name="Core">
  <xs:annotation>
    <xs:documentation>It is the main part of identifier and is determent by the company that creates it.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction 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>
```

element **CountryCodeISO**

diagram

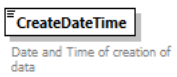
namespace: http://www.era.europa.eu/schemes/TAFTSI/3.1

type: extension of **CountryIdentISO**

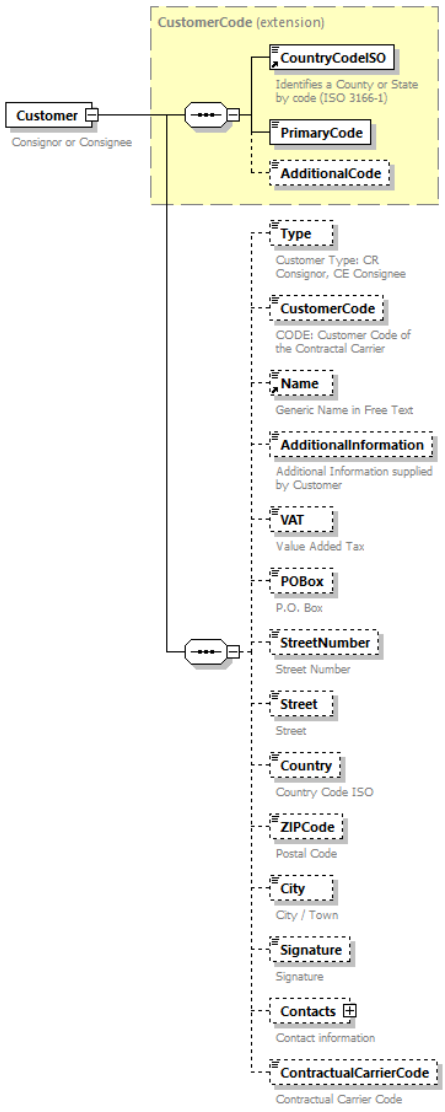
properties: content complex

used by	elements **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber** **RollingRoadUnit/RollingRoadUnitDetails/Haulier** **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	`<xs:element name="CountryCodeISO"><xs:annotation><xs:documentation>Identifies a County or State by code (ISO 3166-1)</xs:documentation></xs:annotation><xs:complexType><xs:simpleContent><xs:extension base="CountryIdentISO"/></xs:simpleContent></xs:complexType></xs:element>`

element **CreateDateTime**

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

element **Customer**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **CustomerCode**
properties	content complex
children	**CountryCodeISO PrimaryCode AdditionalCode Type CustomerCode Name AdditionalInformation VAT POBox StreetNumber Street Country ZIPCode City Signature Contacts ContractualCarrierCode**
used by	element **WIMO_Dataset/ConsignmentLevelData**
annotation	documentation Consignor or Consignee

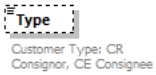
source	`<xs:element name="Customer">`
	`<xs:annotation>`
	`<xs:documentation>Consignor or Consignee</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:complexContent>`
	`<xs:extension base="CustomerCode">`
	`<xs:sequence>`
	`<xs:element name="Type" minOccurs="0">`

```
            <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 Contractal
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">
                <xs:minLength                                   value="1"/>
                <xs:maxLength                                   value="25"/>
              </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                              base="xs:string">
                <xs:minLength                                   value="1"/>
                <xs:maxLength                                   value="35"/>
              </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 base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="5"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="Street" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Street</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="Country" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Country Code ISO</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:length value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="ZIPCode" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Postal Code</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="9"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
<xs:element name="City" minOccurs="0">
  <xs:annotation>
    <xs:documentation>City / Town</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <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                                  base="xs:string">
                <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                            base="xs:string">
                      <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                                  base="xs:string">
                <xs:length                                           value="4"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
```

element **Customer/Type**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple

facets	Kind Value Annotation enumeration CR enumeration CE
annotation	documentation Customer Type: CR Consignor, CE Consignee
source	<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>

element **Customer/CustomerCode**

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

element **Customer/AdditionalInformation**

diagram	AdditionalInformation Additional Information supplied by Customer
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 45
annotation	documentation Additional Information supplied by Customer
source	<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>

element **Customer/VAT**

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

element **Customer/POBox**

diagram	

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

element **Customer/StreetNumber**

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

element **Customer/Street**

diagram	

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

element **Customer/Country**

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

element **Customer/ZIPCode**

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

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

element **Customer/City**

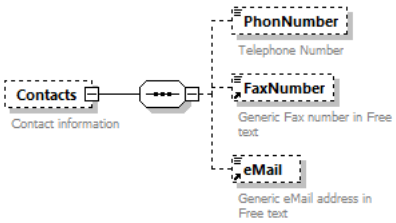
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation City / Town
source	<xs:element name="City" minOccurs="0"> <xs:annotation> <xs:documentation>City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

element **Customer/Signature**

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

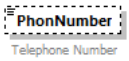
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Signature
source	<xs:element name="Signature" minOccurs="0"> <xs:annotation> <xs:documentation>Signature</xs:documentation> </xs:annotation> <xs:simpleType>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

element **Customer/Contacts**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**PhonNumber FaxNumber eMail**
annotation	documentation Contact information
source	<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 base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="30"/> </xs:restriction> </xs:simpleType> </xs:element>

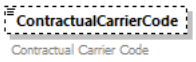
```
      <xs:element                ref="FaxNumber"          minOccurs="0"/>
      <xs:element                  ref="eMail"            minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Customer/Contacts/PhonNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 30
annotation	documentation Telephone Number

source	`<xs:element name="PhonNumber" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Telephone Number</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="30"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

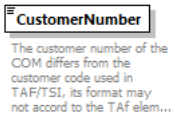
element **Customer/ContractualCarrierCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 4
annotation	documentation Contractual Carrier Code

source	`<xs:element name="ContractualCarrierCode" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Contractual Carrier Code</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="4"/>`

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

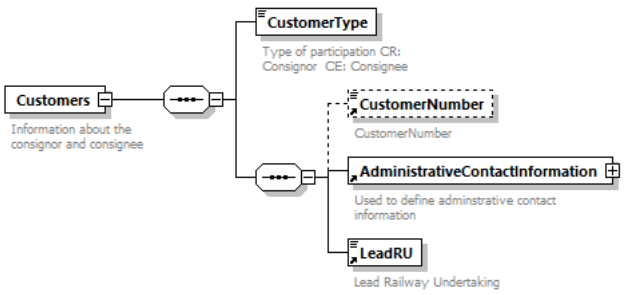
element **CustomerNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	elements **Customers** **LoadingFacility**
facets	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

```
<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                                        base="xs:string">
      <xs:minLength                                             value="1"/>
      <xs:maxLength                                            value="16"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Customers**

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

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

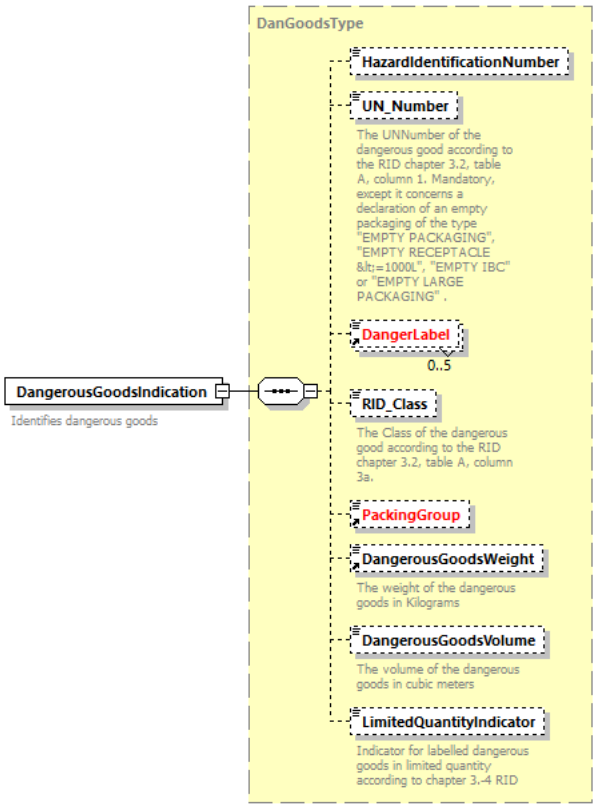
element **Customers/CustomerType**

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

element **DangerousGoodsIndication**

diagram

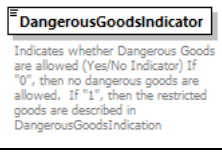


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**DanGoodsType**
properties	content complex
children	**HazardIdentificationNumber** **UN_Number** **DangerLabel** **RID_Class** **PackingGroup** **DangerousGoodsWeight** **DangerousGoodsVolume** **LimitedQuantityIndicator**
used by	elements **WIMO_Dataset/ConsignmentLevelData** **WagonOperationalData/DangerousGoodsDetails** **PlannedTrainData** **RID** **WagonExceptionMessage** **WagonExceptionReasonMessage**
annotation	documentation Identifies dangerous goods

source

```
<xs:element name="DangerousGoodsIndication" type="DanGoodsType">
  <xs:annotation>
    <xs:documentation>Identifies dangerous goods</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **DangerousGoodsIndicator**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	content simple
used by	element **TrainRunningData**
annotation	documentation Indicates whether Dangerous Goods are allowed (Yes/No Indicator) If "0", then no dangerous goods are allowed. If "1", then the restricted goods are described in DangerousGoodsIndication

source	`<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>`

element **DangerousGoodsVolume**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**VolumeValue**
properties	content simple
used by	element **SummaryOFGoodsWithSameRID**
annotation	documentation The volume of the dangerous goods in cubic meters

source	`<xs:element name="DangerousGoodsVolume" type="VolumeValue">`
	`<xs:annotation>`
	`<xs:documentation>The volume of the dangerous goods in cubic meters</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **DangerousGoodsWeight**

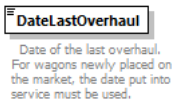
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**WeightValueKilo**
properties	content simple
used by	element **SummaryOFGoodsWithSameRID** complexType **DanGoodsType**

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

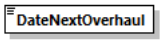
element **Date**

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

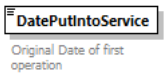
element **DateLastOverhaul**

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

element **DateNextOverhaul**

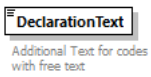
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:date**
properties	content simple
source	`<xs:element name="DateNextOverhaul" type="xs:date"/>`

element **DatePutIntoService**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:date**
properties	content simple
used by	element **RollingStockDataset/AdministrativeDataSet**
annotation	documentation Original Date of first operation

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

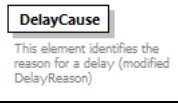
element **DeclarationText**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	elements **ConsignmentOrderMessage/COMS/COM/ConsignorDeclarations** **ConsignmentOrderMessage/COMS/COM/RU_Declarations/RU_Declaration**
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Additional Text for codes with free text

source	`<xs:element name="DeclarationText">`
	`  <xs:annotation>`
	`  <xs:documentation>Additional Text for codes with free text</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`

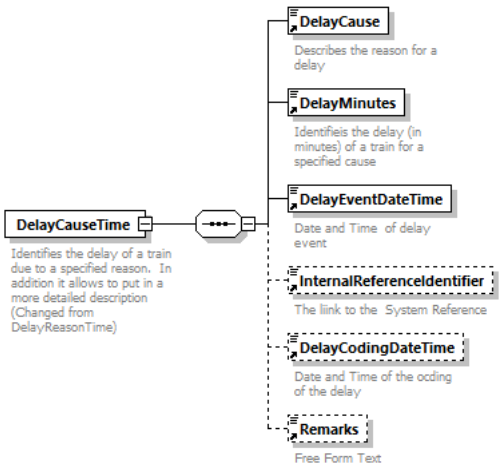
```
      <xs:maxLength                                          value="350"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **DelayCause**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**DelayCode**
used by	elements **DelayCauseTime** **TrainReadyMessage/TrainReadyStatus** **TrainReadyStatus**
annotation	documentation This element identifies the reason for a delay (modified DelayReason)

source	`<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>`

element **DelayCauseTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**DelayCause** **DelayMinutes** **DelayEventDateTime** **InternalReferenceIdentifier** **DelayCodingDateTime** **Remarks**
used by	element **DelayEventReport**
annotation	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)

source	`<xs:element name="DelayCauseTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the delay of a train due to a specified reason. In addition it allows to put in a more detailed description (Changed`

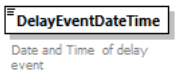
```
from                                    DelayReasonTime)</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                          ref="DelayCause">
        <xs:annotation>
          <xs:documentation>Describes      the      reason      for      a
delay</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element                                        ref="DelayMinutes"/>
      <xs:element                                   ref="DelayEventDateTime"/>
      <xs:element      ref="InternalReferenceIdentifier"      minOccurs="0">
        <xs:annotation>
          <xs:documentation>The      liink      to      the            System
Reference</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element          ref="DelayCodingDateTime"          minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date   and   Time   of   the   ocding   of   the
delay</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element               ref="Remarks"               minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **DelayCodingDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	element **DelayCauseTime**
annotation	documentation Date and Time of the coding of the delay

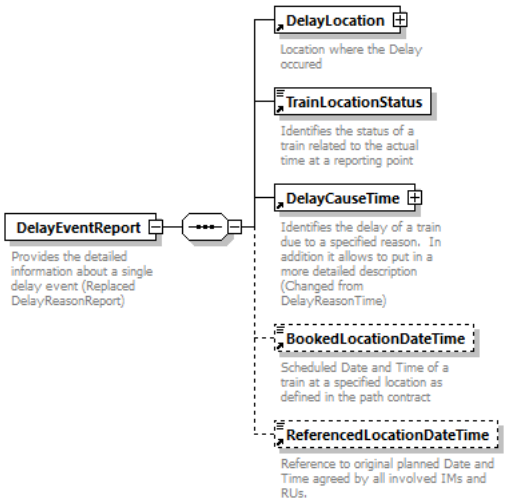
source	`<xs:element name="DelayCodingDateTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Date and Time of the coding of the delay</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **DelayEventDateTime**

diagram	

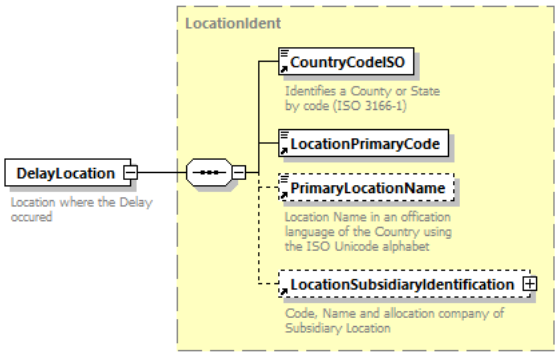
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	element **DelayCauseTime**
annotation	documentation Date and Time of delay event
source	<xs:element name="DelayEventDateTime" type="xs:dateTime"> <xs:annotation> <xs:documentation>Date and Time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

element **DelayEventReport**

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

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

element **DelayLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	element **DelayEventReport**
annotation	documentation Location where the Delay occured

source	`<xs:element name="DelayLocation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Location where the Delay occured</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

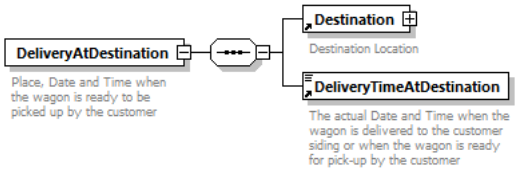
element **DelayMinutes**

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

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

element **DeliveryAtDestination**

diagram



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

properties: content complex

children: **Destination** **DeliveryTimeAtDestination**

used by: element **WagonDeliveryNoticeMessage**

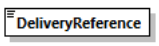
annotation: documentation
Place, Date and Time when the wagon is ready to be picked up by the customer

source

```
<xs:element name="DeliveryAtDestination">
  <xs:annotation>
    <xs:documentation>Place, Date and Time when the wagon is ready to be picked up by the customer</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Destination"/>
      <xs:element ref="DeliveryTimeAtDestination"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **DeliveryReference**

diagram



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

type: restriction of **xs:string**

properties: content simple

used by: elements **ITU_Details** **Wagons/WagonDetails**

facets

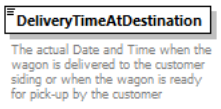
Kind	Value	Annotation
minLength	1	
maxLength	30	

source

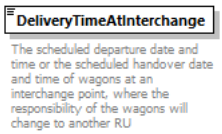
```
<xs:element name="DeliveryReference">
  <xs:annotation/>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="30"/>
      <xs:minLength value="1"/>
    </xs:restriction>
```

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

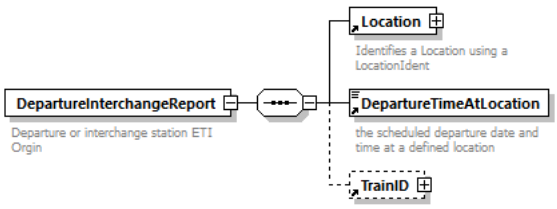
element **DeliveryTimeAtDestination**

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

element **DeliveryTimeAtInterchange**

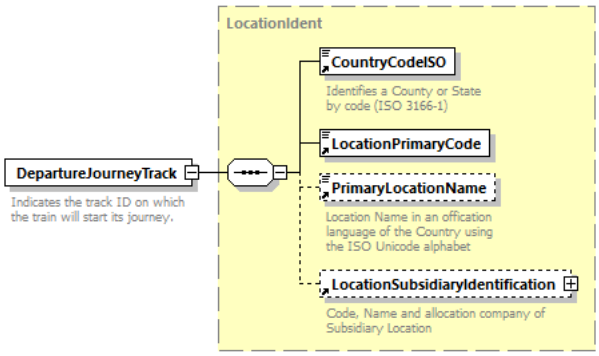
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	element **NextIntermediateDestination**
annotation	documentation The scheduled departure date and time or the scheduled handover date and time of wagons at an interchange point, where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

element **DepartureInterchangeReport**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Location** **DepartureTimeAtLocation** **TrainID**
used by	element **WagonETI_ETA_Message**
annotation	documentation Departure or interchange station ETI Orgin

source	`<xs:element name="DepartureInterchangeReport">`
	`<xs:annotation>`
	`<xs:documentation>Departure or interchange station ETI Orgin</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element ref="Location"/>`
	`<xs:element ref="DepartureTimeAtLocation"/>`
	`<xs:element ref="TrainID" minOccurs="0"/>`
	`</xs:sequence>`
	`</xs:complexType>`
	`</xs:element>`

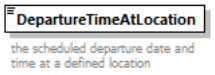
element **DepartureJourneyTrack**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Indicates the track ID on which the train will start its journey.

source	`<xs:element name="DepartureJourneyTrack" type="LocationIdent">`
	`<xs:annotation>`
	`<xs:documentation>Indicates the track ID on which the train will start`

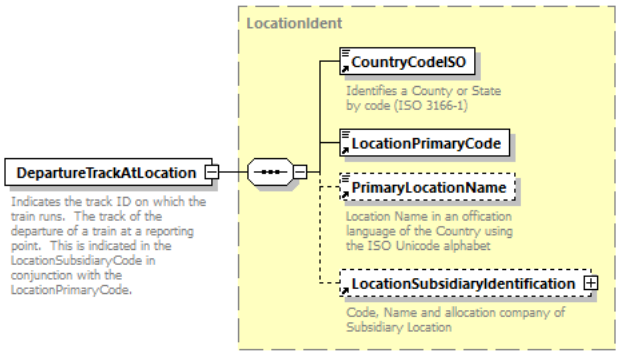
```
its                                                    journey.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **DepartureTimeAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	elements **DepartureInterchangeReport** **WagonAtDeparture** **WagonPickupAtOrigin** **YardDeparture**
annotation	documentation the scheduled departure date and time at a defined location

source	`<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>`

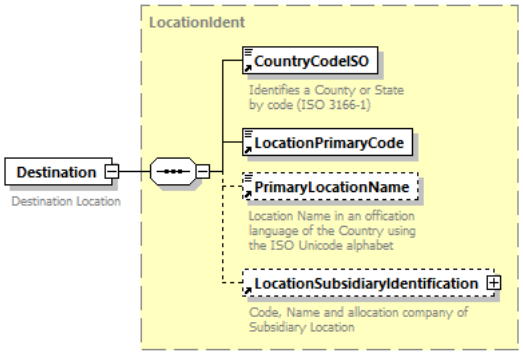
element **DepartureTrackAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Indicates the track ID on which the train runs. The track of the departure of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode.

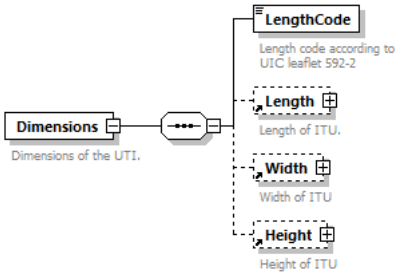
source	`<xs:element name="DepartureTrackAtLocation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates the track ID on which the train runs. The track of the departure of a train at a reporting point. This is indicated in the LocationSubsidiaryCode in conjunction with the LocationPrimaryCode.</xs:documentation>`
	`  </xs:annotation>`

	</xs:element>

element **Destination**

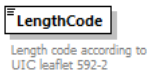
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **ArrivalAtDestination** **WIMO_Dataset/ConsignmentLevelData**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

element **Dimensions**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**LengthCode** **Length** **Width** **Height**
used by	element **ITU_Details**
annotation	documentation Dimensions of the UTI.
source	<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>
```

element **Dimensions/LengthCode**

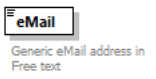
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	content simple
facets	Kind Value Annotation minInclusive 10 totalDigits 2
annotation	documentation Length code according to UIC leaflet 592-2 documentation CODE: UIC leaflet 592-2
source	<xs:element 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>

element **DwellTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:decimal**
properties	content simple
used by	element **TimingAtLocation**
facets	Kind Value Annotation fractionDigits 1
annotation	documentation The minimum duration of dwell time expressed in minutes

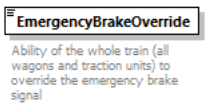
source	`<xs:element name="DwellTime">`
	`<xs:annotation>`
	`<xs:documentation>`The minimum duration of dwell time expressed in minutes`</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="xs:decimal">`
	`<xs:fractionDigits value="1"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

element **eMail**

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

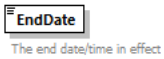
source	`<xs:element name="eMail" type="CommunicationRefID">`
	`<xs:annotation>`
	`<xs:documentation>`Generic eMail address in Free text`</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **EmergencyBrakeOverride**

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

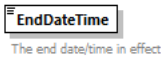
source	`<xs:element name="EmergencyBrakeOverride" type="xs:boolean">`
	`<xs:annotation>`
	`<xs:documentation>Ability of the whole train (all wagons and traction units) to override the emergency brake signal</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **EndDate**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:date**
properties	content simple
used by	complexType **ValidityPeriod**
annotation	documentation The end date/time in effect

source	`<xs:element name="EndDate" type="xs:date">`
	`<xs:annotation>`
	`<xs:documentation>The end date/time in effect</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

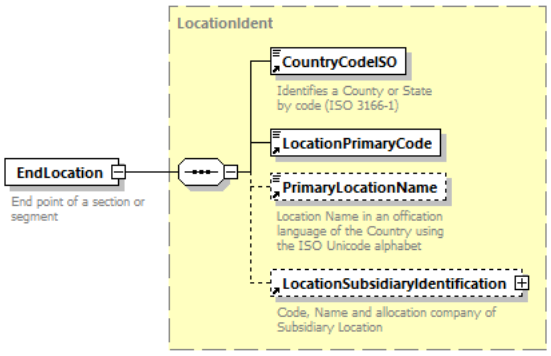
element **EndDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	elements **RequestedPeriod** **RequestedTimeframe** **ValidityPeriod**
annotation	documentation The end date/time in effect

source	`<xs:element name="EndDateTime" type="xs:dateTime">`
	`<xs:annotation>`
	`<xs:documentation>The end date/time in effect</xs:documentation>`

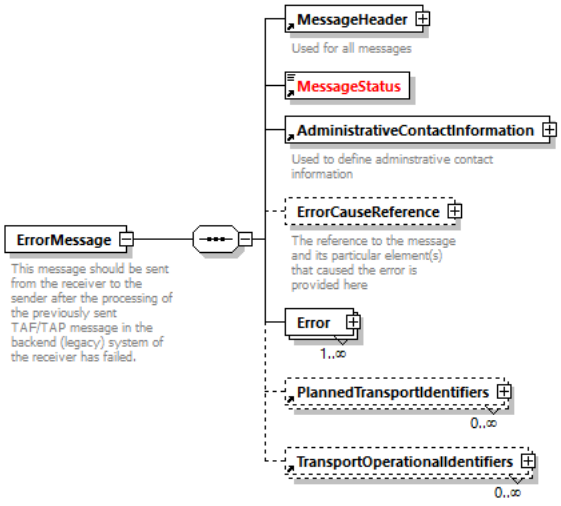
```
  </xs:annotation>
</xs:element>
```

element **EndLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation End point of a section or segment

source	`<xs:element name="EndLocation" type="LocationIdent">`
	`  <xs:annotation>`
	`  <xs:documentation>End point of a section or segment</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

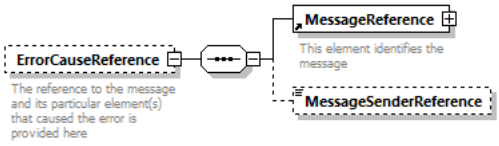
element **ErrorMessage**

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

annotation	documentation This message should be sent from the receiver to the sender after the processing of the previously sent TAF/TAP message in the backend (legacy) system of the receiver has failed.
source	<xs:element name="ErrorMessage"> <xs:annotation> <xs:documentation>This message should be sent from the receiver to the sender after the processing of the previously sent TAF/TAP message in the backend (legacy) system of the receiver has failed.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"/> <xs:element ref="AdministrativeContactInformation"/> <xs:element name="ErrorCauseReference" minOccurs="0"> <xs:annotation> <xs:documentation>The reference to the message and its particular element(s) that caused the error is provided here</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageReference"/> <xs:element name="MessageSenderReference" type="FreeText" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="Error" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="TagReference" type="xs:string" minOccurs="0"> <xs:annotation> <xs:documentation>This is a placeholder for XPath expression indicating the element of the orginal message which caused the error.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="TypeOfError"> <xs:annotation> <xs:documentation>It is an enumerated type to indicate if the error was caused due to a bussines rule violation (1 = FUNCTIONAL) or due to a system failure (2 = TECHNICAL) or both (0 = BOTH)</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element name="Severity"> <xs:annotation> <xs:documentation>1 = WARNING 2 = FATAL 3 = SEVER 4 = SEVER-FATAL The senders and receivers should agree about the severity levels and their interpretation: should the process stop, should the message be resent etc.</xs:documentation> </xs:annotation>

```
            <xs:simpleType>
              <xs:restriction                                  base="xs:integer">
                <xs:enumeration                                       value="1"/>
                <xs:enumeration                                       value="2"/>
                <xs:enumeration                                       value="3"/>
                <xs:enumeration                                       value="4"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element                                            name="ErrorCode">
            <xs:annotation>
              <xs:documentation>To be defined: code list from 1 to 9999.
Proposal from PathDossierErrorCode: "Standard values are between 5000 and 6000
(central maintained list). The values greater than 6000 can be used on national
level.                                                                 "</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction                                  base="xs:integer">
                <xs:minInclusive                                      value="1"/>
                <xs:maxInclusive                                   value="9999"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element                                       ref="FreeTextField"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element      ref="PlannedTransportIdentifiers"      minOccurs="0"
maxOccurs="unbounded"/>
    <xs:element    ref="TransportOperationalIdentifiers"    minOccurs="0"
maxOccurs="unbounded"/>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

element **ErrorMessage/ErrorCauseReference**

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

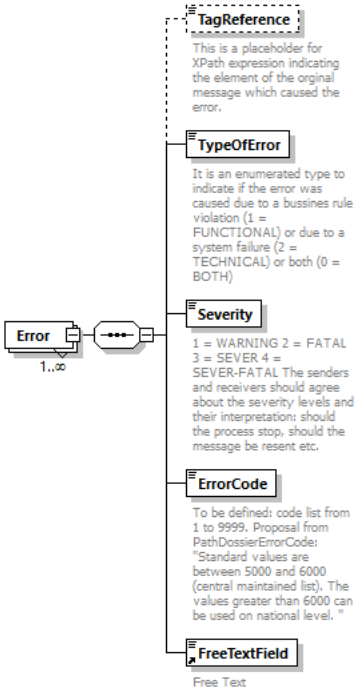
source	`<xs:element name="ErrorCauseReference" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>The reference to the message and its particular element(s) that caused the error is provided here</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`

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

element **ErrorMessage/ErrorCauseReference/MessageSenderReference**

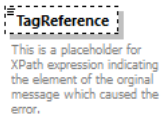
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**FreeText**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="MessageSenderReference" type="FreeText" minOccurs="0"/>`

element **ErrorMessage/Error**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 1 maxOcc unbounded content complex
children	**TagReference TypeOfError Severity ErrorCode FreeTextField**
source	`<xs:element name="Error" maxOccurs="unbounded">`

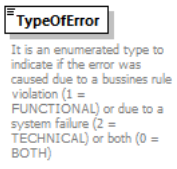
```
  <xs:complexType>
    <xs:sequence>
      <xs:element    name="TagReference"    type="xs:string"    minOccurs="0">
        <xs:annotation>
          <xs:documentation>This is a placeholder for XPath expression
indicating the element of the orginal message which caused the
error.</xs:documentation>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

element **ErrorMessage/Error/TagReference**

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

source	`<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>`

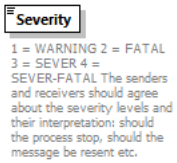
element **ErrorMessage/Error/TypeOfError**

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

source	`<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>

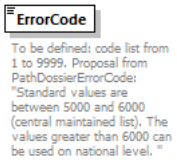
element **ErrorMessage/Error/Severity**

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

```
<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>
```

element **ErrorMessage/Error/ErrorCode**

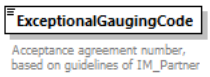
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation minInclusive 1

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

element **EstimatedEndDateTime**

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

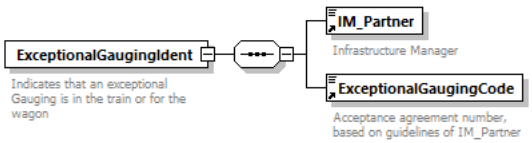
element **ExceptionalGaugingCode**

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

```
      <xs:maxLength                                                value="24"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ExceptionalGaugingIdent**

diagram



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

properties: content complex

children: **IM_Partner** **ExceptionalGaugingCode**

used by: elements **PlannedTrainData** **WagonOperationalData**

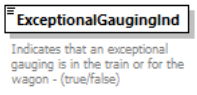
annotation: documentation
Indicates that an exceptional Gauging is in the train or for the wagon

source

```
<xs:element                                          name="ExceptionalGaugingIdent">
  <xs:annotation>
    <xs:documentation>Indicates that an exceptional Gauging is in the train
or                    for                    the                    wagon
      </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                              ref="IM_Partner"/>
      <xs:element                                     ref="ExceptionalGaugingCode"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ExceptionalGaugingInd**

diagram



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

type: **xs:boolean**

properties: content simple

used by: element **TrainRunningData**

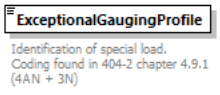
annotation: documentation
Indicates that an exceptional gauging is in the train or for the wagon - (true/false)

source

```
<xs:element          name="ExceptionalGaugingInd"          type="xs:boolean">
  <xs:annotation>
    <xs:documentation>Indicates that an exceptional gauging is in the train
or      for      the      wagon      -      (true/false)</xs:documentation>
  </xs:annotation>
```

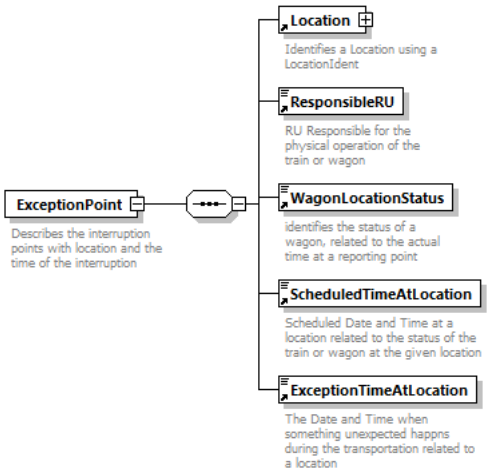
	`</xs:element>`

element **ExceptionalGaugingProfile**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	element **WagonOperationalData**
facets	Kind Value Annotation minLength 7 maxLength 7
annotation	documentation Identification of special load. Coding found in 404-2 chapter 4.9.1 (4AN + 3N)

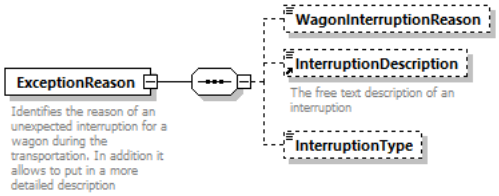
source	`<xs:element name="ExceptionalGaugingProfile">`
	`  <xs:annotation>`
	`  <xs:documentation>Identification of special load. Coding found in 404-2 chapter 4.9.1 (4AN + 3N)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="7"/>`
	`  <xs:maxLength value="7"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ExceptionPoint**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Location ResponsibleRU WagonLocationStatus ScheduledTimeAtLocation ExceptionTimeAtLocation**

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

element **ExceptionReason**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**WagonInterruptionReason** **InterruptionDescription** **InterruptionType**
used by	element **WagonExceptionReport**
annotation	documentation Identifies the reason of an unexpected interruption for a wagon during the transportation. In addition it allows to put in a more detailed description
source	<xs:element name="ExceptionReason"> <xs:annotation> <xs:documentation>Identifies the reason of an unexpected interruption for a wagon during the transportation. In addition it allows to put in a more detailed description</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="WagonInterruptionReason" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="wagon damaged"/> <xs:enumeration value="change of route"/> <xs:enumeration value="other"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="InterruptionDescription" minOccurs="0"/> <xs:element name="InterruptionType" minOccurs="0">

```
        <xs:simpleType>
          <xs:restriction                                    base="xs:token">
            <xs:length                                            value="1"/>
            <xs:enumeration                                        value="0">
              <xs:annotation>
                <xs:documentation>Damage does not cause an interruption of
transport                                                    run</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration                                        value="1">
              <xs:annotation>
                <xs:documentation>Damage causes an interruption of transport
run</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration                                        value="2">
              <xs:annotation>
                <xs:documentation>other    (no    damage)</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ExceptionReason/WagonInterruptionReason**

diagram	WagonInterruptionReason
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation enumeration — wagon damaged enumeration — change of route enumeration — other

source

```
<xs:element          name="WagonInterruptionReason"          minOccurs="0">
  <xs:simpleType>
    <xs:restriction                                    base="xs:token">
      <xs:enumeration              value="wagon                damaged"/>
      <xs:enumeration          value="change          of          route"/>
      <xs:enumeration                                    value="other"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ExceptionReason/InterruptionType**

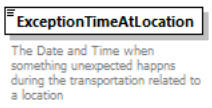
diagram	InterruptionType

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation length 1 enumeration 0 documentation: Damage does not cause an interruption of transport run enumeration 1 documentation: Damage causes an interruption of transport run enumeration 2 documentation: other (no damage)

source

```
<xs:element name="InterruptionType" minOccurs="0">
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:length value="1"/>
      <xs:enumeration value="0">
        <xs:annotation>
          <xs:documentation>Damage does not cause an interruption of transport run</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>Damage causes an interruption of transport run</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>other (no damage)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ExceptionTimeAtLocation**

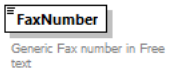
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	element **ExceptionPoint**
annotation	documentation The Date and Time when something unexpected happns during the transportation related to a location

source

```
<xs:element name="ExceptionTimeAtLocation" type="xs:dateTime">
  <xs:annotation>
    <xs:documentation>The Date and Time when something unexpected happns
```

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

element **FaxNumber**

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

element **FerryPermittedFlag**

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

element **FreeTextField**

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

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

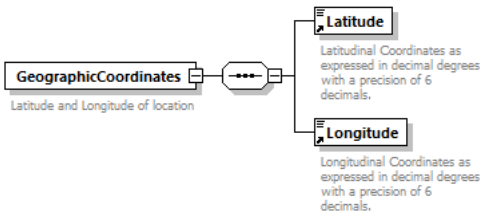
element **FreightFlag**

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

element **GeographicalCoordinates**

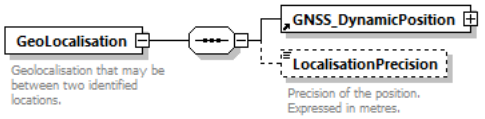
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:string**
properties	content simple
annotation	documentation Longitude and latitude as defined in UIC Leafle 920-2
source	<xs:element name="GeographicalCoordinates" type="xs:string"> <xs:annotation> <xs:documentation>Longitude and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

element **GeographicCoordinates**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Latitude** **Longitude**
used by	elements **GNSS_DynamicPosition** **LocationPrimaryInformation** **LocationSubsidiaryInformation**
annotation	documentation Latitude and Longitude of location

source	`<xs:element name="GeographicCoordinates">`
	`<xs:annotation>`
	`<xs:documentation>Latitude and Longitude of location</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element ref="Latitude"/>`
	`<xs:element ref="Longitude"/>`
	`</xs:sequence>`
	`</xs:complexType>`
	`</xs:element>`

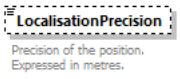
element **GeoLocalisation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**GNSS_DynamicPosition** **LocalisationPrecision**
used by	element **GeoLocalisationOnNetwork**
annotation	documentation Geolocalisation that may be between two identified locations.

source	`<xs:element name="GeoLocalisation">`
	`<xs:annotation>`
	`<xs:documentation>Geolocalisation that may be between two identified locations.</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element ref="GNSS_DynamicPosition"/>`
	`<xs:element name="LocalisationPrecision" type="xs:float" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>Precision of the position. Expressed in metres.</xs:documentation>`

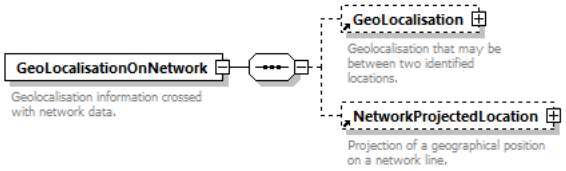
```
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **GeoLocalisation/LocalisationPrecision**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:float**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Precision of the position. Expressed in metres.

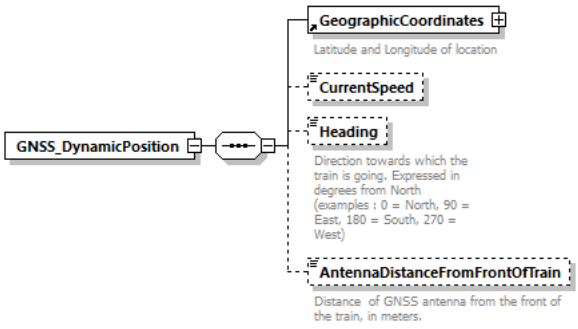
source	`<xs:element name="LocalisationPrecision" type="xs:float" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Precision of the position. Expressed in metres.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **GeoLocalisationOnNetwork**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**GeoLocalisation NetworkProjectedLocation**
used by	element **TrainLocationReport**
annotation	documentation Geolocalisation information crossed with network data.

source	`<xs:element name="GeoLocalisationOnNetwork">`
	`  <xs:annotation>`
	`  <xs:documentation>Geolocalisation information crossed with network data.`
	`</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="GeoLocalisation" minOccurs="0"/>`
	`  <xs:element ref="NetworkProjectedLocation" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

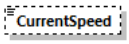
element **GNSS_DynamicPosition**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**GeographicCoordinates** **CurrentSpeed** **Heading** **AntennaDistanceFromFrontOfTrain**
used by	element **GeoLocalisation**

source

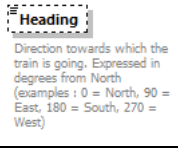
```
<xs:element                                          name="GNSS_DynamicPosition">
  <xs:complexType>
    <xs:sequence>
      <xs:element                                  ref="GeographicCoordinates"/>
      <xs:element     name="CurrentSpeed"     type="Speed"     minOccurs="0"/>
      <xs:element     name="Heading"     type="xs:integer"     minOccurs="0">
        <xs:annotation>
          <xs:documentation>Direction  towards  which  the  train  is  going.
Expressed in degrees from North (examples : 0 = North, 90 = East, 180 = South,
270                          =                          West)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element   name="AntennaDistanceFromFrontOfTrain"   type="xs:float"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Distance  of GNSS antenna from the front of the
train,                    in                    meters.</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **GNSS_DynamicPosition/CurrentSpeed**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Speed**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 001

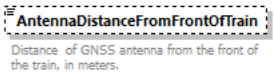
	maxInclusive 999
source	`<xs:element name="CurrentSpeed" type="Speed" minOccurs="0"/>`

element **GNSS_DynamicPosition/Heading**

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

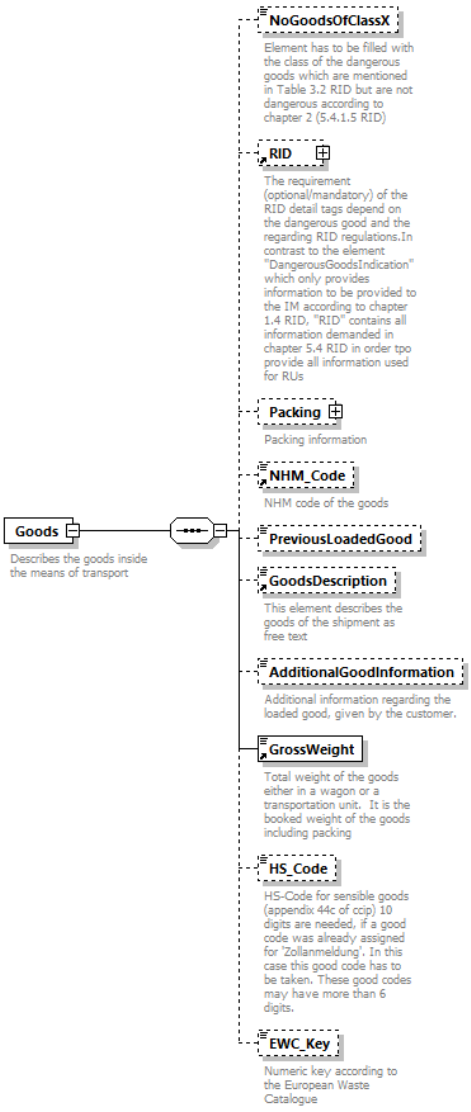
source	`<xs:element name="Heading" type="xs:integer" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Direction towards which the train is going. Expressed in degrees from North (examples : 0 = North, 90 = East, 180 = South, 270 = West)</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **GNSS_DynamicPosition/AntennaDistanceFromFrontOfTrain**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:float**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Distance of GNSS antenna from the front of the train, in meters.

source	`<xs:element name="AntennaDistanceFromFrontOfTrain" type="xs:float" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Distance of GNSS antenna from the front of the train, in meters.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Goods**

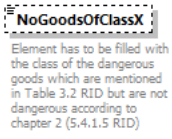
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	NoGoodsOfClassX RID Packing NHM_Code PreviousLoadedGood GoodsDescription AdditionalGoodInformation GrossWeight HS_Code EWC_Key
used by	elements WIMO_Dataset/ConsignmentLevelData ITU RollingRoadUnit Wagons
annotation	documentation Describes the goods inside the means of transport
source	<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 base="xs:string">
            <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
Recommandation No 21</xs:documentation>
                <xs:documentation>CODE: UN/ECE-Recommendation No.
21</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:string">
                  <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 base="xs:int">
                  <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:simpleType>
                <xs:restriction base="xs:string">
                  <xs:maxLength value="35"/>
                  <xs:minLength value="1"/>
                </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,
given            by            the            customer.</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                                        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                                  base="xs:string">
            <xs:minLength                                        value="6"/>
            <xs:maxLength                                     value="10"/>
            <xs:pattern                                 value="\d*[1-9]\d*"/>
          </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                                  base="xs:string">
            <xs:minLength                                        value="2"/>
            <xs:maxLength                                        value="6"/>
            <xs:pattern                                       value="\d*"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Goods/NoGoodsOfClassX**

diagram

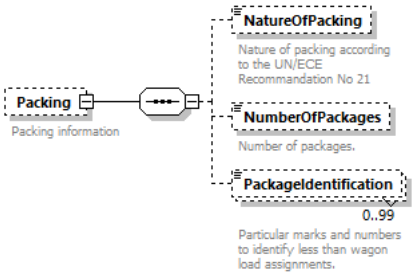


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 4
annotation	documentation Element has to be filled with the class of the dangerous goods which are mentioned in Table 3.2 RID but are not dangerous according to chapter 2 (5.4.1.5 RID)

source

```
<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 base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Goods/Packing**

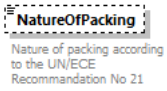
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**NatureOfPacking NumberOfPackages PackageIdentification**
annotation	documentation Packing information

source

```
<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: UN/ECE-Recommendation No.
```

```
21</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                    base="xs:string">
            <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                                      base="xs:int">
            <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:simpleType>
          <xs:restriction                                    base="xs:string">
            <xs:maxLength                                         value="35"/>
            <xs:minLength                                          value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Goods/Packing/NatureOfPacking**

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

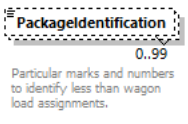
```
    <xs:documentation>Nature of packing according to the UN/ECE Recommandation
No                                                                  21</xs:documentation>
    <xs:documentation>CODE:  UN/ECE-Recommendation  No.  21</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                              base="xs:string">
      <xs:maxLength                                                    value="2"/>
      <xs:minLength                                                    value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Goods/Packing/NumberOfPackages**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Number of packages.

source	`<xs:element name="NumberOfPackages" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of packages.</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>`

element **Goods/Packing/PackageIdentification**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 99 content simple
facets	Kind Value Annotation minLength 1 maxLength 35

annotation	documentation Particular marks and numbers to identify less than wagon load assignments.
source	<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 base="xs:string"> <xs:maxLength value="35"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Goods/PreviousLoadedGood**

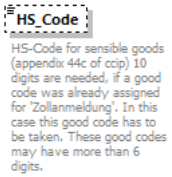
diagram	PreviousLoadedGood
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**NHMCodeType**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 6 pattern \d*[1-9]\d*
source	<xs:element name="PreviousLoadedGood" type="NHMCodeType" minOccurs="0"/>

element **Goods/AdditionalGoodInformation**

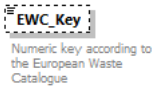
diagram	AdditionalGoodInformation Additional information regarding the loaded good, given by the customer.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation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

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

element **Goods/HS_Code**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 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	<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 base="xs:string"> <xs:minLength value="6"/> <xs:maxLength value="10"/> <xs:pattern value="\d*[1-9]\d*"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Goods/EWC_Key**

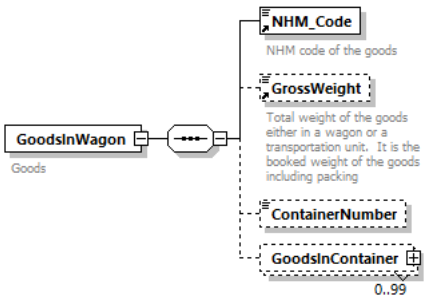
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation

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

element **GoodsDescription**

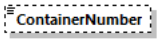
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**FreeText**
properties	content simple
used by	element **Goods**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation This element describes the goods of the shipment as free text
source	<xs:element name="GoodsDescription"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

element **GoodsInWagon**

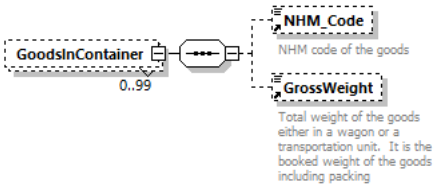
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**NHM_Code GrossWeight ContainerNumber GoodsInContainer**
used by	element **WagonInformation**
annotation	documentation Goods

source	`<xs:element name="GoodsInWagon">`
	`<xs:annotation>`
	`<xs:documentation>Goods</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element ref="NHM_Code"/>`
	`<xs:element ref="GrossWeight" minOccurs="0"/>`
	`<xs:element name="ContainerNumber" type="EquipmentNumberType" minOccurs="0"/>`
	`<xs:element name="GoodsInContainer" minOccurs="0" maxOccurs="99">`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element ref="NHM_Code" minOccurs="0"/>`
	`<xs:element ref="GrossWeight" minOccurs="0"/>`
	`</xs:sequence>`
	`</xs:complexType>`
	`</xs:element>`
	`</xs:sequence>`
	`</xs:complexType>`
	`</xs:element>`

element **GoodsInWagon/ContainerNumber**

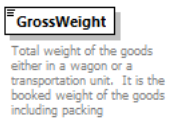
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**EquipmentNumberType**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 13
source	`<xs:element name="ContainerNumber" type="EquipmentNumberType" minOccurs="0"/>`

element **GoodsInWagon/GoodsInContainer**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 99 content complex
children	**NHM_Code** **GrossWeight**

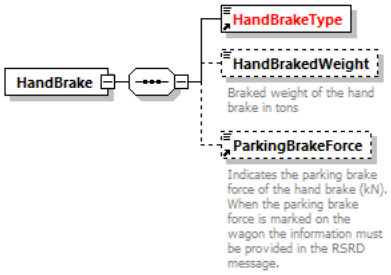
source	`<xs:element name="GoodsInContainer" minOccurs="0" maxOccurs="99">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="NHM_Code" minOccurs="0"/>`
	`  <xs:element ref="GrossWeight" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **GrossWeight**

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

source	`<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>`

element **HandBrake**

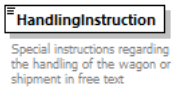
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**HandBrakeType** **HandBrakedWeight** **ParkingBrakeForce**
used by	element **RollingStockDataset/DesignDataSet**
source	<xs:element name="HandBrake"> <xs:complexType> <xs:sequence> <xs:element ref="HandBrakeType"/>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

element **HandBrake/HandBrakedWeight**

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

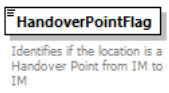
```
    <xs:documentation>Braked weight of the hand brake in tons</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:decimal">
      <xs:totalDigits value="4"/>
      <xs:fractionDigits value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **HandlingInstruction**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**FreeText**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Special instructions regarding the handling of the wagon or shipment in free text

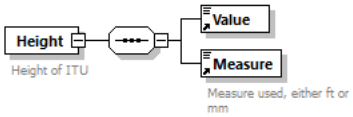
source	`<xs:element name="HandlingInstruction" type="FreeText">`
	`  <xs:annotation>`
	`  <xs:documentation>Special instructions regarding the handling of the wagon or shipment in free text</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **HandoverPointFlag**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
used by	element **LocationPrimaryInformation**
annotation	documentation Identifies if the location is a Handover Point from IM to IM

source	`<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>`

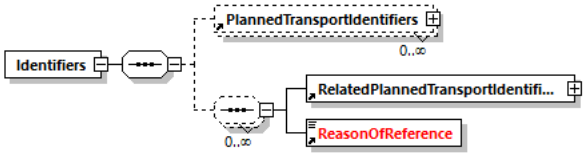
element **Height**

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

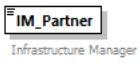
element **HighestPlannedSpeed**

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

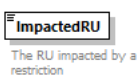
element **Identifiers**

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

element **IM_Partner**

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

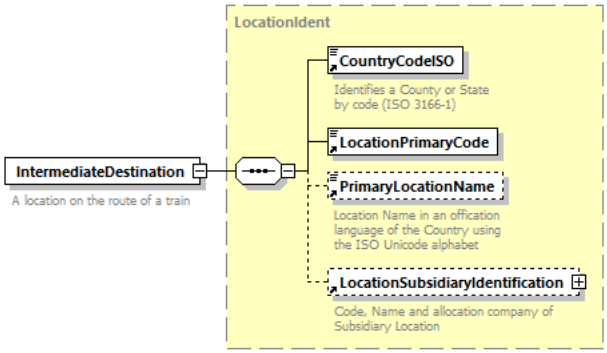
element **ImpactedRU**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation The RU impacted by a restriction

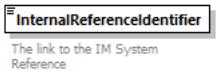
source	`<xs:element name="ImpactedRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>The RU impacted by a restriction</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **IntermediateDestination**

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

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

element **InternalReferenceIdentifier**

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

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

element **InterruptionDateTime**

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

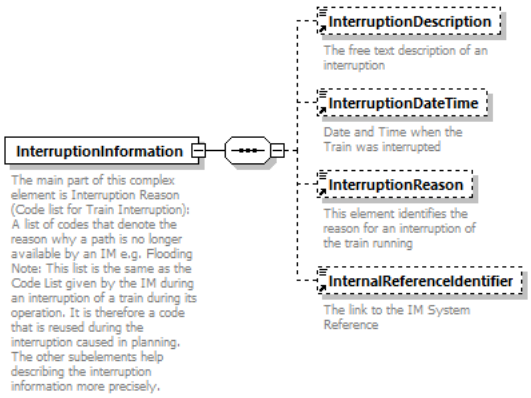
element **InterruptionDescription**

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

```
interruption</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **InterruptionInformation**

diagram

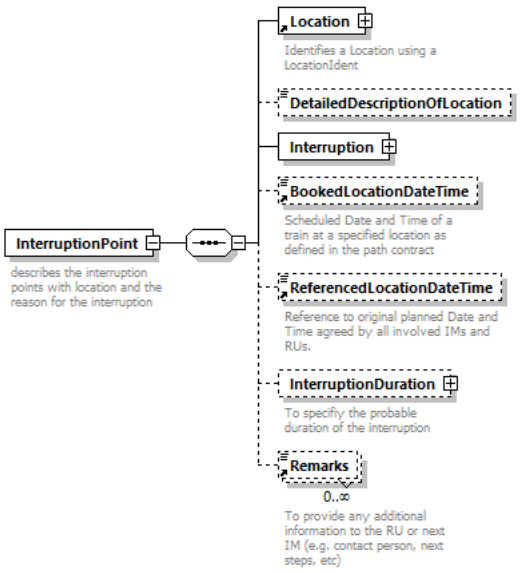


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**InterruptionDescription** **InterruptionDateTime** **InterruptionReason** **InternalReferenceIdentifier**
used by	element **PathNotAvailableMessage**
annotation	documentation The main part of this complex element 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.

source

```
<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>
```

element **InterruptionPoint**

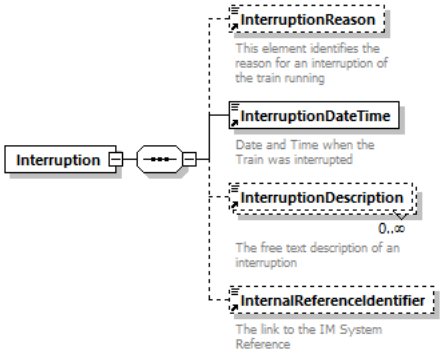
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Location** **DetailedDescriptionOfLocation** **Interruption** **BookedLocationDateTime** **ReferencedLocationDateTime** **InterruptionDuration** **Remarks**
used by	element **TrainRunningInterruptionMessage**
annotation	documentation describes the interruption points with location and the reason for the interruption
source	<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 ref="BookedLocationDateTime" minOccurs="0"> <xs:annotation> <xs:documentation>Scheduled Date and Time of a train at a specified location as defined in the path contract</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="ReferencedLocationDateTime" minOccurs="0"/>

```
      <xs:element          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: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>
```

element **InterruptionPoint/DetailedDescriptionOfLocation**

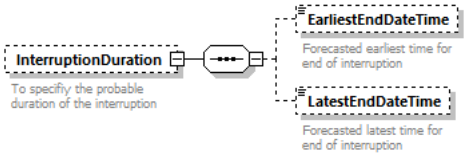
diagram	DetailedDescriptionOfLocation
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**FreeText**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 255
source	`<xs:element name="DetailedDescriptionOfLocation" type="FreeText" minOccurs="0"/>`

element **InterruptionPoint/Interruption**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**InterruptionReason** **InterruptionDateTime** **InterruptionDescription** **InternalReferenceIdentifier**

source	`<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>`

element **InterruptionPoint/InterruptionDuration**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**EarliestEndDateTime** **LatestEndDateTime**
annotation	documentation To specifiy the probable duration of the interruption

source	`<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: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>
```

element **InterruptionPoint/InterruptionDuration/EarliestEndDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Forecasted earliest time for end of interruption

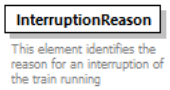
source	`<xs:element name="EarliestEndDateTime" type="xs:dateTime" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Forecasted earliest time for end of interruption</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **InterruptionPoint/InterruptionDuration/LatestEndDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Forecasted latest time for end of interruption

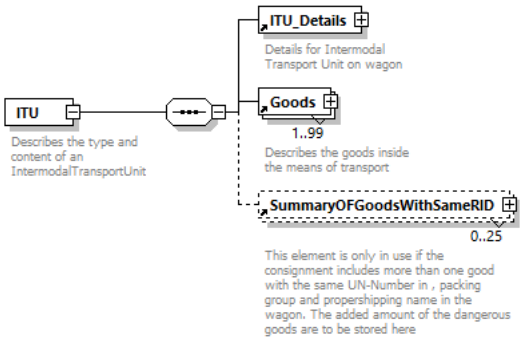
source	`<xs:element name="LatestEndDateTime" type="xs:dateTime" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Forecasted latest time for end of interruption</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **InterruptionReason**

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

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

element **ITU**

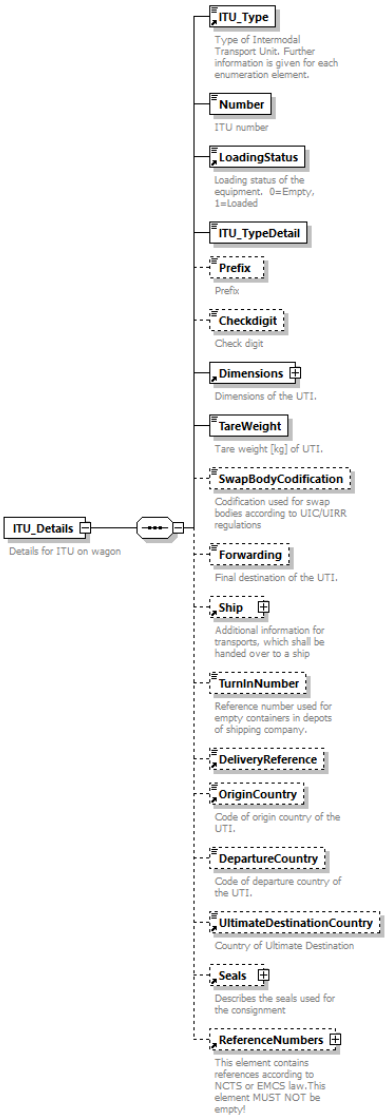
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**ITU_Details** **Goods** **SummaryOFGoodsWithSameRID**
used by	element **Wagons**
annotation	documentation Describes the type and content of an IntermodalTransportUnit

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

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

element **ITU_Details**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**ITU_Type Number LoadingStatus ITU_TypeDetail Prefix Checkdigit Dimensions TareWeight SwapBodyCodification Forwarding Ship TurnInNumber DeliveryReference OriginCountry DepartureCountry UltimateDestinationCountry Seals ReferenceNumbers**
used by	element **ITU**
annotation	documentation Details for ITU on wagon

source

```
<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"/>
            <xs:maxLength                                      value="5"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element              name="Checkdigit"              minOccurs="0">
        <xs:annotation>
          <xs:documentation>Check                  digit</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                  base="xs:int">
            <xs:totalDigits                                    value="1"/>
          </xs:restriction>
```

```
        </xs:simpleType>
      </xs:element>
      <xs:element                                          ref="Dimensions"/>
      <xs:element          name="TareWeight"          type="WeightValueKilo">
        <xs:annotation>
          <xs:documentation>Tare  weight  [kg]  of  UTI.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element         name="SwapBodyCodification"          minOccurs="0">
        <xs:annotation>
          <xs:documentation>Codification used for swap bodies according to
UIC/UIRR                  regulations                  </xs:documentation>
          <xs:documentation>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
depots           of           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>
      <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>
```

element **ITU_Details/Number**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **EquipmentNumberType**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 13
annotation	documentation ITU number

source	`<xs:element name="Number">`
	`  <xs:annotation>`
	`  <xs:documentation>ITU number</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="EquipmentNumberType"/>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ITU_Details/ITU_TypeDetail**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	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	<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>

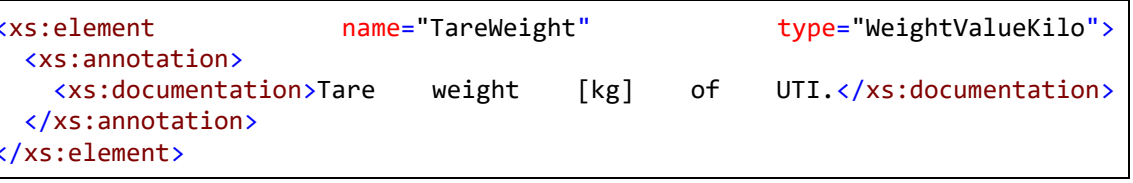
element **ITU_Details/Prefix**

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

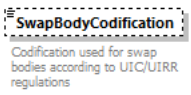
element **ITU_Details/Checkdigit**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation totalDigits 1
annotation	documentation Check digit
source	

element **ITU_Details/TareWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**WeightValueKilo**
properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Tare weight [kg] of UTI.
source	

element **ITU_Details/SwapBodyCodification**

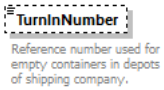
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**

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

element **ITU_Details/Forwarding**

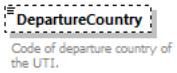
diagram	Forwarding Final destination of the UTI.
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 80
annotation	documentation Final destination of the UTI.
source	<xs:element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

element **ITU_Details/TurnInNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 30
annotation	documentation Reference number used for empty containers in depots of shipping company.

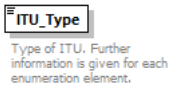
source	`<xs:element name="TurnInNumber" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Reference number used for empty containers in depots of shipping company.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="30"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ITU_Details/DepartureCountry**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CountryIdentISO**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Code of departure country of the UTI. documentation CODE: ISO-3166-2

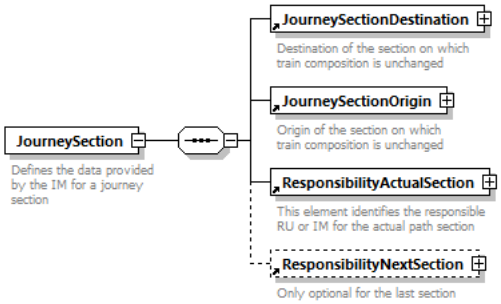
source	`<xs:element name="DepartureCountry" type="CountryIdentISO" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Code of departure country of the UTI.</xs:documentation>`
	`  <xs:documentation>CODE: ISO-3166-2</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ITU_Type**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **EquipmentTypeType**
properties	content simple
used by	element **ITU_Details**
facets	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	`<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>`

element **JourneySection**

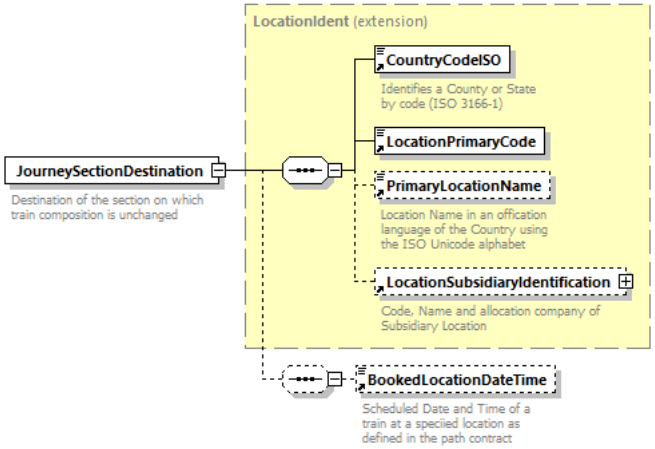
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**JourneySectionDestination** **JourneySectionOrigin** **ResponsibilityActualSection** **ResponsibilityNextSection**
used by	element **TrainCompositionJourneySection**
annotation	documentation Defines the data provided by the IM for a journey section

source	`<xs:element name="JourneySection">`
	`<xs:annotation>`
	`<xs:documentation>Defines the data provided by the IM for a journey section</xs:documentation>`
	`</xs:annotation>`

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

element **JourneySectionDestination**

diagram



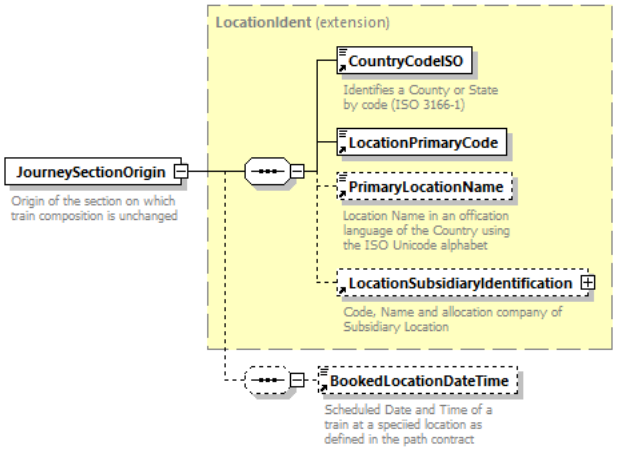
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **BookedLocationDateTime**
used by	element **JourneySection**
annotation	documentation Destination of the section on which train composition is unchanged

source

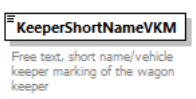
```
<xs:element                                   name="JourneySectionDestination">
  <xs:annotation>
    <xs:documentation>Destination of the section on which train composition
is                                                    unchanged</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:complexContent>
      <xs:extension                                          base="LocationIdent">
        <xs:sequence                                              minOccurs="0">
          <xs:element       ref="BookedLocationDateTime"       minOccurs="0"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
```

	</xs:element>

element **JourneySectionOrigin**

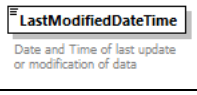
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **BookedLocationDateTime**
used by	element **JourneySection**
annotation	documentation Origin of the section on which train composition is unchanged
source	<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>

element **KeeperShortNameVKM**

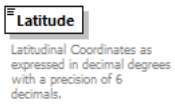
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**

properties	content simple
used by	elements RollingStockDataset/AdministrativeDataSet RollingStockDatasetMessage/RefusedWagonNumbers
facets	Kind Value Annotation maxLength 10
annotation	documentation Free text, short name/vehicle keeper marking of the wagon keeper
source	<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>

element **LastModifiedDateTime**

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

element **Latitude**

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

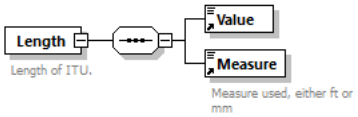
```
    <xs:documentation>Latitudinal Coordinates as expressed in decimal degrees with a precision of 6 decimals.</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **LeadRU**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
used by	elements **Customers** **PathCanceledMessage** **PathConfirmedMessage** **PathDetailsMessage** **PathDetailsRefusedMessage** **PathNotAvailableMessage** **PathRequestMessage**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Lead Railway Undertaking

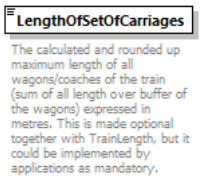
source	`<xs:element name="LeadRU" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Lead Railway Undertaking</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Length**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Value** **Measure**
used by	elements **Dimensions** **TractionDetails** complexType **DimensionValue**
annotation	documentation Length of ITU.

source	`<xs:element name="Length">`
	`  <xs:annotation>`
	`  <xs:documentation>Length of ITU.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="Value"/>`
	`  <xs:element ref="Measure"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **LengthOfSetOfCarriages**

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

source	`<xs:element name="LengthOfSetOfCarriages" type="Numeric4-4">`
	`<xs:annotation>`
	`<xs:documentation>The calculated and rounded up maximum length of all wagons/coaches of the train (sum of all length over buffer of the wagons) expressed in metres. This is made optional together with TrainLength, but it could be implemented by applications as mandatory.</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **LengthOverBuffers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	elements **RollingStockDataset/DesignDataSet** **WagonTechData**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999999
annotation	documentation Length over buffers is expressed in cm.

source	`<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">`

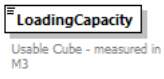
```
      <xs:minInclusive                                    value="1"/>
      <xs:maxInclusive                                  value="999999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **LoadArea**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:decimal**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation totalDigits 5 fractionDigits 1
annotation	documentation Payload Area - measured in M2

source	`<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>`

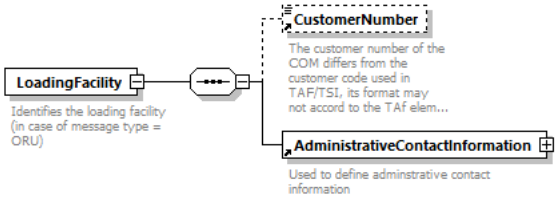
element **LoadingCapacity**

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

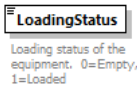
source	`<xs:element name="LoadingCapacity">`
	`<xs:annotation>`
	`<xs:documentation>Usable Cube - measured in M3</xs:documentation>`
	`</xs:annotation>`

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

element **LoadingFacility**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**CustomerNumber** **AdministrativeContactInformation**
used by	elements **ConsignmentOrderMessage/COMS/COM/AcceptancePoint** **ConsignmentOrderMessage/COMS/COM/DeliveryPoint**
annotation	documentation Identifies the loading facility (in case of message type = ORU)
source	<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>

element **LoadingStatus**

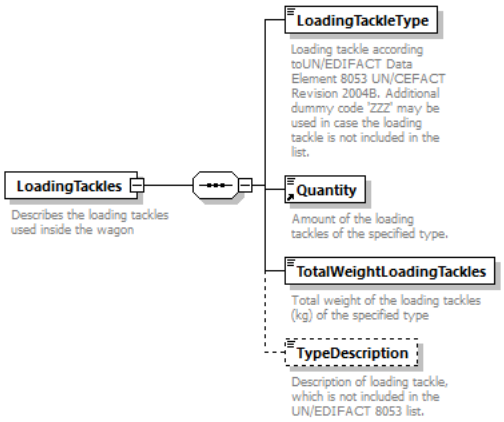
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	elements **ITU_Details** **RollingRoadUnit/RollingRoadUnitDetails** **Wagons/WagonDetails** **WagonInformation**
facets	Kind Value Annotation enumeration 0 enumeration 1
annotation	documentation Loading status of the equipment. 0=Empty, 1=Loaded

source

```
<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>
```

element **LoadingTackles**

diagram



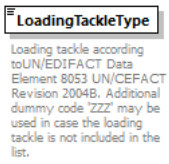
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**LoadingTackleType Quantity TotalWeightLoadingTackles TypeDescription**
used by	element **Wagons**
annotation	documentation Describes the loading tackles used inside the wagon

source

```
<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   toUN/EDIFACT   Data
Element 8053 UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used
in case the loading tackle is not included in the list. </xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                        base="xs:string"/>
        </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 base="xs:string">
            <xs:maxLength value="35"/>
            <xs:minLength value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **LoadingTackles/LoadingTackleType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
annotation	documentation Loading tackle according toUN/EDIFACT Data Element 8053 UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used in case the loading tackle is not included in the list.

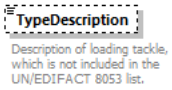
source	`<xs:element name="LoadingTackleType">`
	`  <xs:annotation>`
	`  <xs:documentation>Loading tackle according toUN/EDIFACT Data Element 8053 UN/CEFACT Revision 2004B. Additional dummy code 'ZZZ' may be used in case the loading tackle is not included in the list. </xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string"/>`
	`  </xs:simpleType>`
	`</xs:element>`

element **LoadingTackles/TotalWeightLoadingTackles**

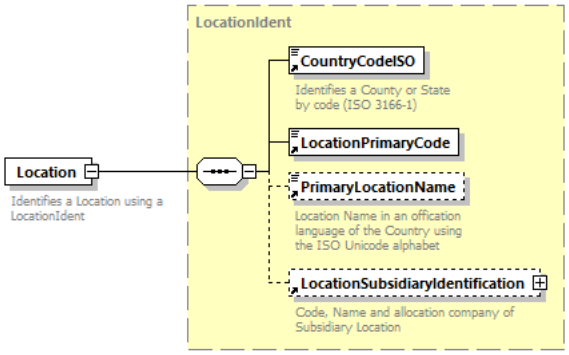
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**WeightValueKilo**

properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation Total weight of the loading tackles (kg) of the specified type
source	<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>

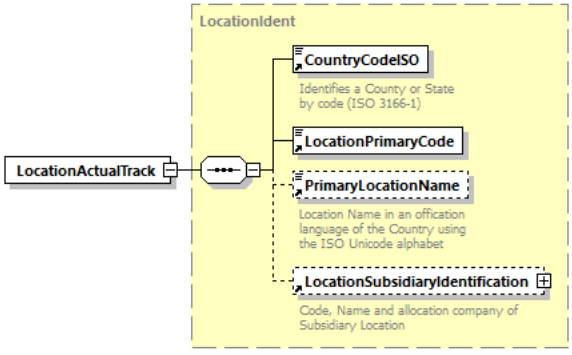
element **LoadingTackles/TypeDescription**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Description of loading tackle, which is not included in the UN/EDIFACT 8053 list.
source	<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 base="xs:string"> <xs:maxLength value="35"/> <xs:minLength value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Location**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **ArrivalInterchangeReport** **ConsignmentOrderMessage/COMS/COM/CustomsProcedures** **DepartureInterchangeReport** **ExceptionPoint** **InterruptionPoint** **LocationModified** **ProductionStation** **SpecialTreatments** **TrainForecastAtReportingLocationMessage** **TrainLocationReport** **WagonAtDeparture** **WagonEventInformation** **WagonPickupAtOrigin** **YardArrival** **YardDeparture**
annotation	documentation Identifies a Location using a LocationIdent
source	`<xs:element name="Location" type="LocationIdent"><xs:annotation><xs:documentation>Identifies a Location using a LocationIdent</xs:documentation></xs:annotation></xs:element>`

element **LocationActualTrack**

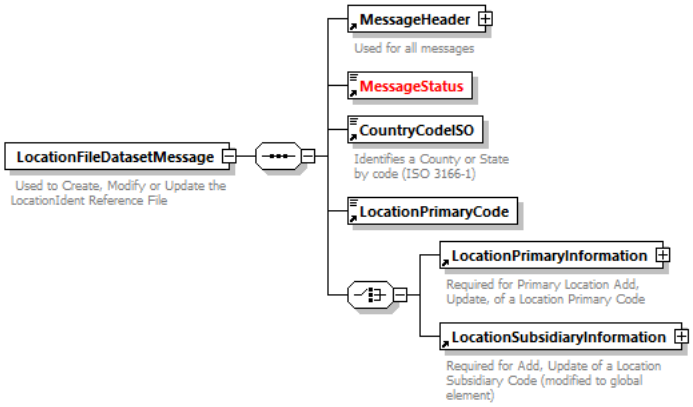
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	element **ChangeofTrackMessage**
source	`<xs:element name="LocationActualTrack" type="LocationIdent"/>`

element **LocationDateTime**

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

element **LocationFileDatasetMessage**

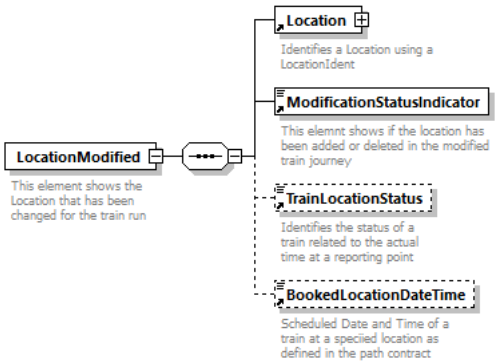
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **MessageStatus** **CountryCodeISO** **LocationPrimaryCode** **LocationPrimaryInformation** **LocationSubsidiaryInformation**
annotation	documentation Used to Create, Modify or Update the LocationIdent Reference File

source	`<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>
```

element **LocationModified**

diagram

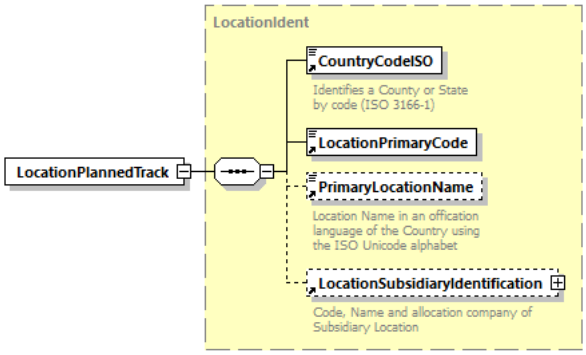


namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Location** **ModificationStatusIndicator** **TrainLocationStatus** **BookedLocationDateTime**
used by	element **TrainJourneyModification**
annotation	documentation This element shows the Location that has been changed for the train run

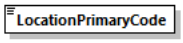
source

```
<xs:element                                                name="LocationModified">
  <xs:annotation>
    <xs:documentation>This element shows the Location that has been changed
for          the          train          run          </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                              ref="Location"/>
      <xs:element                                  ref="ModificationStatusIndicator"/>
      <xs:element          ref="TrainLocationStatus"          minOccurs="0"/>
      <xs:element        ref="BookedLocationDateTime"         minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

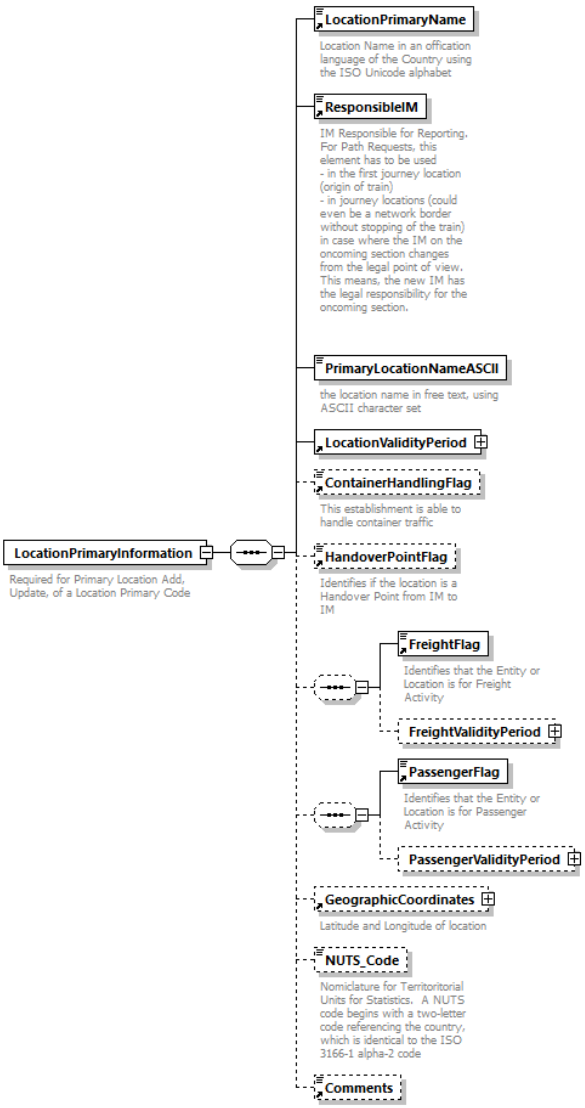
element **LocationPlannedTrack**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	element **ChangeofTrackMessage**
source	`<xs:element name="LocationPlannedTrack" type="LocationIdent"/>`

element **LocationPrimaryCode**

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

element **LocationPrimaryInformation**

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

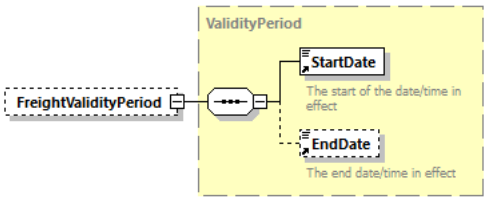
```
        <xs:annotation>
          <xs:documentation>the location name in free text, using ASCII
character                                                    set</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                      base="xs:string">
            <xs:minLength                                            value="1"/>
            <xs:maxLength                                          value="255"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element                                 ref="LocationValidityPeriod"/>
      <xs:element          ref="ContainerHandlingFlag"          minOccurs="0"/>
      <xs:element            ref="HandoverPointFlag"            minOccurs="0"/>
      <xs:sequence                                               minOccurs="0">
        <xs:element                                          ref="FreightFlag"/>
        <xs:element     name="FreightValidityPeriod"     type="ValidityPeriod"
minOccurs="0"/>
      </xs:sequence>
      <xs:sequence                                               minOccurs="0">
        <xs:element                                         ref="PassengerFlag"/>
        <xs:element    name="PassengerValidityPeriod"    type="ValidityPeriod"
minOccurs="0"/>
      </xs:sequence>
      <xs:element          ref="GeographicCoordinates"          minOccurs="0"/>
      <xs:element                name="NUTS_Code"               minOccurs="0">
        <xs:annotation>
          <xs:documentation>Nomiclature for Territoritorial 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                                      base="xs:string">
            <xs:minLength                                            value="1"/>
            <xs:maxLength                                          value="50"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element                ref="Comments"                minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **LocationPrimaryInformation/PrimaryLocationNameASCII**

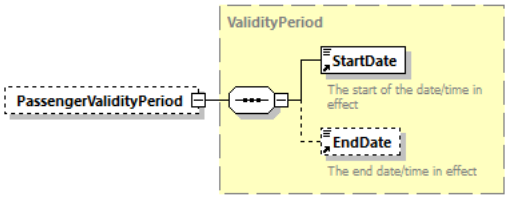
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255

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

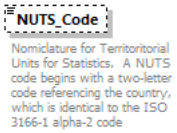
element **LocationPrimaryInformation/FreightValidityPeriod**

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

element **LocationPrimaryInformation/PassengerValidityPeriod**

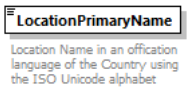
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**ValidityPeriod**
properties	minOcc 0 maxOcc 1 content complex
children	**StartDate** **EndDate**
source	<xs:element name="PassengerValidityPeriod" type="ValidityPeriod" minOccurs="0"/>

element **LocationPrimaryInformation/NUTS_Code**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 50
annotation	documentation Nomiclature for Territoritorial 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

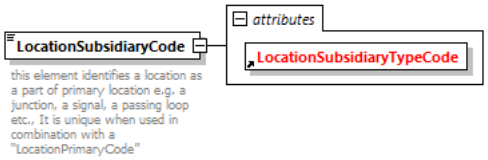
source	`<xs:element name="NUTS_Code" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>Nomiclature for Territoritorial Units for Statistics. A NUTS code begins with a two-letter code referencing the country, which is identical to the ISO 3166-1 alpha-2 code</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="xs:string">`
	`<xs:minLength value="1"/>`
	`<xs:maxLength value="50"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

element **LocationPrimaryName**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
used by	element **LocationPrimaryInformation**
annotation	documentation Location Name in an offication language of the Country using the ISO Unicode alphabet

source	`<xs:element name="LocationPrimaryName">`
	`<xs:annotation>`
	`<xs:documentation>Location Name in an offication language of the Country using the ISO Unicode alphabet</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

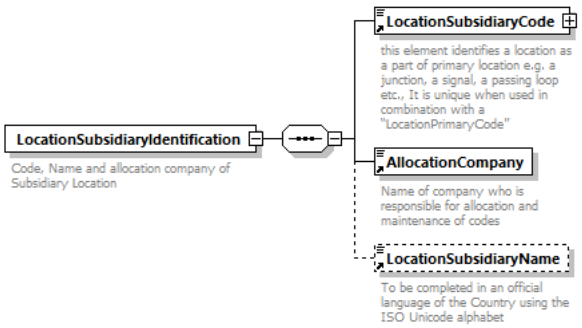
element **LocationSubsidiaryCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **String1-10**
properties	content complex
used by	elements **LocationSubsidiaryIdentification** **LocationSubsidiaryInformation**
facets	Kind Value Annotation minLength 1 maxLength 10
attributes	Name Type Use Default Fixed Annotation LocationSubsidiaryTypeCode required
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

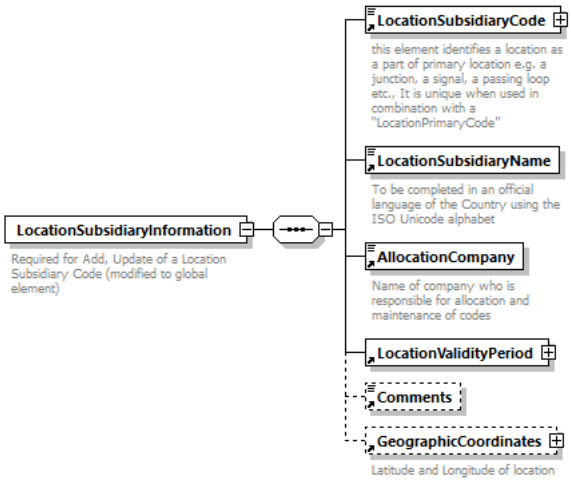
```
<xs:element name="LocationSubsidiaryCode">
  <xs:annotation>
    <xs:documentation>this element identifies a location as a part of primary location e.g. a junction, a signal, a passing loop etc., It is unique when used in combination with a "LocationPrimaryCode"</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="String1-10">
        <xs:attribute ref="LocationSubsidiaryTypeCode" use="required"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

element **LocationSubsidiaryIdentification**

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

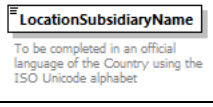
annotation	documentation Code, Name and allocation company of Subsidiary Location
source	<xs:element name="LocationSubsidiaryIdentification"> <xs:annotation> <xs:documentation>Code, Name and allocation company of Subsidiary Location</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> 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

element **LocationSubsidiaryInformation**

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

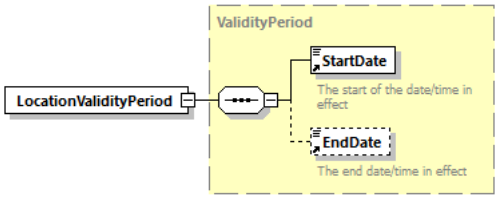
```
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **LocationSubsidiaryName**

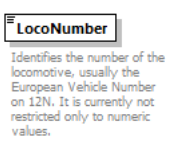
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**FreeText**
properties	content simple
used by	elements **LocationSubsidiaryIdentification** **LocationSubsidiaryInformation**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation To be completed in an official language of the Country using the ISO Unicode alphabet

source	`<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>`

element **LocationValidityPeriod**

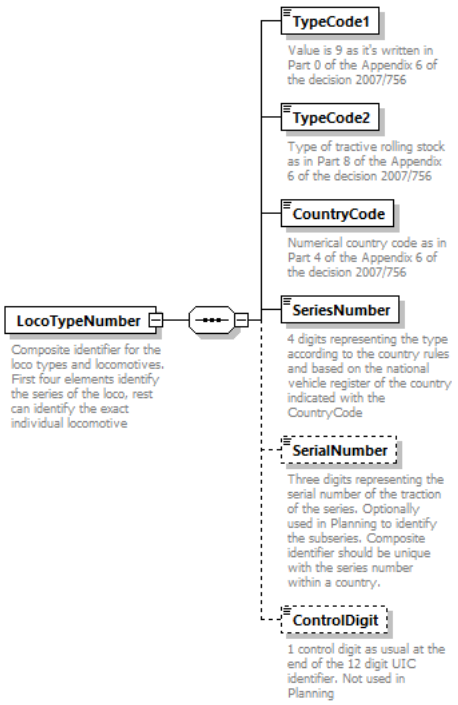
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**ValidityPeriod**
properties	content complex
children	**StartDate** **EndDate**
used by	elements **LocationPrimaryInformation** **LocationSubsidiaryInformation**
source	`<xs:element name="LocationValidityPeriod" type="ValidityPeriod"/>`

element **LocoNumber**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	element **TrainCompositionJourneySection/LocoIdent**
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	<xs:element name="LocoNumber"> <xs:annotation> <xs:documentation>Identifies the number of the locomotive, usually the European Vehicle Number on 12N. It is currently not restricted only to numeric values.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:maxLength value="12"/> <xs:minLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element>

element **LocoTypeNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**TypeCode1 TypeCode2 CountryCode SeriesNumber SerialNumber ControlDigit**

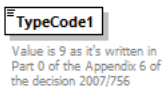
used by	elements **TrainCompositionJourneySection/LocoIdent** **TractionDetails**
annotation	documentation Composite identifier for the loco types and locomotives. First four elements identify the series of the loco, rest can identify the exact individual locomotive

source

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

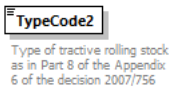
```
        <xs:annotation>
          <xs:documentation>4 digits representing the type according to the country rules and based on the national vehicle register of the country indicated with the CountryCode</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction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

element **LocoTypeNumber/TypeCode1**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind / Value / Annotation minLength 1 maxLength 1 whiteSpace replace pattern [9]
annotation	documentation Value is 9 as it's written in Part 0 of the Appendix 6 of the decision 2007/756

source	`<xs:element name="TypeCode1">`
	`<xs:annotation>`
	`<xs:documentation>Value is 9 as it's written in Part 0 of the Appendix 6 of the decision 2007/756</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="xs:string">`
	`<xs:minLength value="1"/>`
	`<xs:whiteSpace value="replace"/>`
	`<xs:maxLength value="1"/>`
	`<xs:pattern value="[9]"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

element **LocoTypeNumber/TypeCode2**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind / Value / Annotation minLength 1 maxLength 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	`<xs:element name="TypeCode2">`
	`<xs:annotation>`
	`<xs:documentation>Type of tractive rolling stock as in Part 8 of the Appendix 6 of the decision 2007/756</xs:documentation>`
	`</xs:annotation>`
	`<!--In PCS the following types are differentiated: Eletric, Diesel, Steam,`

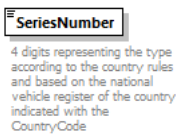
```
Hybrid:-->
  <xs:simpleType>
    <xs:restriction                                    base="xs:string">
      <xs:minLength                                          value="1"/>
      <xs:whiteSpace                                   value="replace"/>
      <xs:maxLength                             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

element **LocoTypeNumber/CountryCode**

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

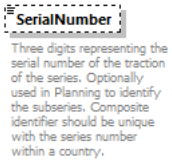
source	`<xs:element name="CountryCode">`
	`<xs:annotation>`
	`<xs:documentation>Numerical country code as in Part 4 of the Appendix 6 of the decision 2007/756</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="xs:string">`
	`<xs:minLength value="2"/>`
	`<xs:whiteSpace value="replace"/>`
	`<xs:maxLength value="2"/>`
	`<xs:pattern value="[0-9]{2}"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

element **LocoTypeNumber/SeriesNumber**

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

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

element **LocoTypeNumber/SerialNumber**

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

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

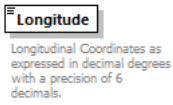
element **LocoTypeNumber/ControlDigit**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minLength 1 maxLength 1 whiteSpace replace pattern [0-9]
annotation	documentation 1 control digit as usual at the end of the 12 digit UIC identifier. Not used in Planning

source

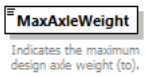
```
<xs:element                name="ControlDigit"                minOccurs="0">
  <xs:annotation>
    <xs:documentation>1 control digit as usual at the end of the 12 digit UIC
identifier.       Not       used       in       Planning</xs:documentation>
  </xs:annotation>
  <!--Not necessary for Planning. Composite identifier should be unique with
the        series        number        inside        one        country:-->
  <xs:simpleType>
    <xs:restriction                                   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:element>
```

element **Longitude**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:float**

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

element **MaxAxleWeight**

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

element **MaxDesignSpeed**

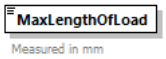
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1

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

element **MaxGrossWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**WeightValueKilo**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	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	<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>

element **MaxLengthOfLoad**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1

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

element **MaxTemp**

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

element **Measure**

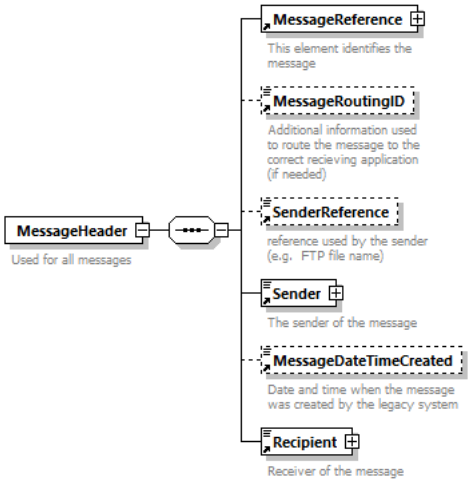
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
used by	elements **Height Length Width**

facets	Kind Value Annotation enumeration ft enumeration mm
annotation	documentation Measure used, either ft or mm
source	<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>

element **MessageDateTimeCreated**

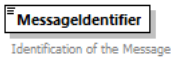
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	element **MessageHeader**
annotation	documentation Date and time when the message was created by the legacy system
source	<xs:element name="MessageDateTimeCreated" type="xs:dateTime">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

element **MessageHeader**

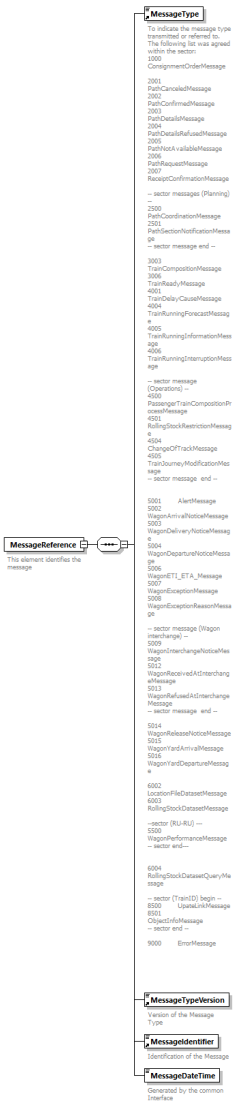
diagram	

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

element **MessageIdentifier**

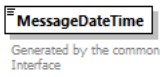
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	FreeText
properties	content simple
used by	element MessageReference
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Identification of the Message
source	<xs:element name="MessageIdentifier" type="FreeText">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

element **MessageReference**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageType** **MessageTypeVersion** **MessageIdentifier** **MessageDateTime**
used by	elements **ErrorMessage/ErrorCauseReference** **MessageHeader**
annotation	documentation This element identifies the message
source	<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

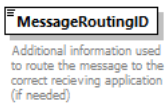
```
Interface</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **MessageReference/MessageDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
annotation	documentation Generated by the common Interface

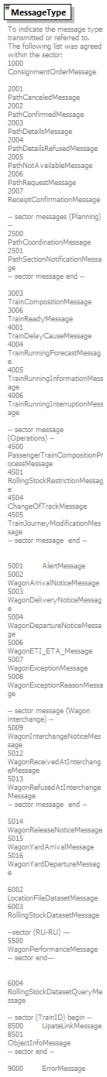
source	`<xs:element name="MessageDateTime" type="xs:dateTime">`
	`<xs:annotation>`
	`<xs:documentation>Generated by the common Interface</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **MessageRoutingID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric2-2**
properties	content simple
used by	element **MessageHeader**
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
annotation	documentation Additional information used to route the message to the correct recieving application (if needed)

source	`<xs:element name="MessageRoutingID" type="Numeric2-2">`
	`<xs:annotation>`
	`<xs:documentation>Additional information used to route the message to the correct recieving application (if needed)</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **MessageType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	element **MessageReference**
facets	Kind Value Annotation 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

-- sector message (Wagon interchange) --
5009 WagonInterchangeNoticeMessage
5012 WagonReceivedAtInterchangeMessage
5013 WagonRefusedAtInterchangeMessage
-- sector message end --

5014 WagonReleaseNoticeMessage
5015 WagonYardArrivalMessage
5016 WagonYardDepartureMessage

6002 LocationFileDatasetMessage
6003 RollingStockDatasetMessage

--sector (RU-RU) ---
5500 WagonPerformanceMessage
-- sector end---


6004 RollingStockDatasetQueryMessage

-- sector (TrainID) begin --
8500 UpateLinkMessage
8501 ObjectInfoMessage
-- sector end --

9000 ErrorMessage
```

source

```
<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

--        sector        message        (Wagon        interchange)        --
5009                                       WagonInterchangeNoticeMessage
5012                                   WagonReceivedAtInterchangeMessage
5013                                    WagonRefusedAtInterchangeMessage
--          sector          message                    end          --

5014                                           WagonReleaseNoticeMessage
5015                                             WagonYardArrivalMessage
5016                                           WagonYardDepartureMessage

6002                                          LocationFileDatasetMessage
6003                                          RollingStockDatasetMessage

--sector                          (RU-RU)                           ---
5500                                             WagonPerformanceMessage
--                            sector                            end---


6004                                      RollingStockDatasetQueryMessage

--            sector            (TrainID)            begin            --
```

```
8500                                                    UpateLinkMessage
8501                                                    ObjectInfoMessage
--                      sector                  end                     --

9000                                                    ErrorMessage


                    </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>
```

element **MessageTypeVersion**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	element **MessageReference**
facets	Kind Value Annotation maxLength 25
annotation	documentation Version of the Message Type

source	`<xs:element name="MessageTypeVersion">`
	`<xs:annotation>`
	`<xs:documentation>Version of the Message Type</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="xs:string">`
	`<xs:maxLength value="25"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

element **MinBrakedWeightPercent**

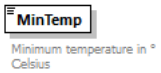
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **PlannedTrainTechnicalData**

facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Minimum percentage of braking claimed by IM for safety reasons.
source	<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>

element **MinCurveRadius**

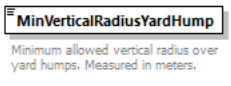
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Measured in Metres
source	<xs:element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

element **MinTemp**

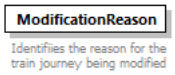
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**

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

element **MinVerticalRadiusYardHump**

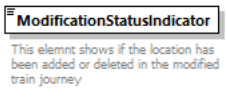
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Minimum allowed vertical radius over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

element **ModificationReason**

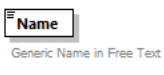
diagram	

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

element **ModificationStatusIndicator**

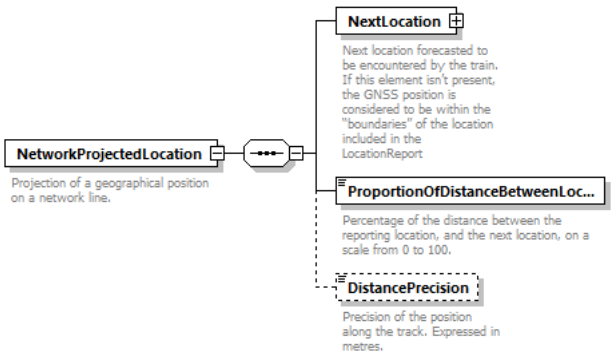
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **LocationModified**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99
annotation	documentation This elemnt shows if the location has been added or deleted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

element **Name**

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

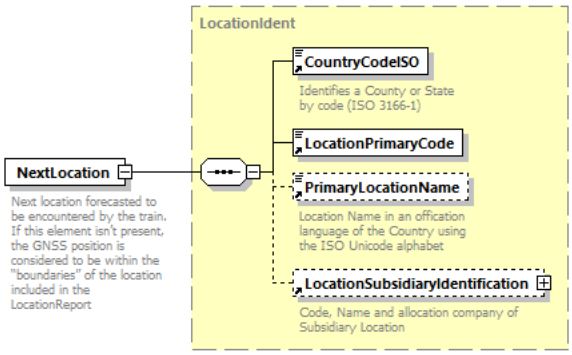
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Generic Name in Free Text
source	<xs:element name="Name" type="FreeText"> <xs:annotation> <xs:documentation>Generic Name in Free Text</xs:documentation> </xs:annotation> </xs:element>

element **NetworkProjectedLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	NextLocation ProportionOfDistanceBetweenLocations DistancePrecision
used by	element GeoLocalisationOnNetwork
annotation	documentation Projection of a geographical position on a network line.
source	<xs:element name="NetworkProjectedLocation"> <xs:annotation> <xs:documentation>Projection of a geographical position on a network line. </xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="NextLocation" type="LocationIdent"> <xs:annotation> <xs:documentation>Next location forecasted to be encountered by the train. If this element isn't present, the GNSS position is considered to be within the "boundaries" of the location included in the LocationReport</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ProportionOfDistanceBetweenLocations" type="Percentage"> <xs:annotation> <xs:documentation>Percentage of the distance between the reporting location, and the next location, on a scale from 0 to 100. </xs:documentation> </xs:annotation> </xs:element> <xs:element name="DistancePrecision" type="xs:float" minOccurs="0">

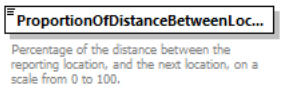
```
        <xs:annotation>
          <xs:documentation>Precision of the position along the track. Expressed in metres.</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **NetworkProjectedLocation/NextLocation**

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

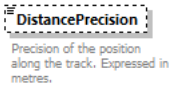
source	`<xs:element name="NextLocation" type="LocationIdent">`
	`<xs:annotation>`
	`<xs:documentation>Next location forecasted to be encountered by the train. If this element isn't present, the GNSS position is considered to be within the "boundaries" of the location included in the LocationReport</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **NetworkProjectedLocation/ProportionOfDistanceBetweenLocations**

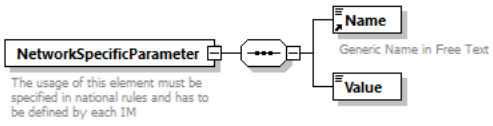
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Percentage**
properties	content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 100

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

element **NetworkProjectedLocation/DistancePrecision**

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

element **NetworkSpecificParameter**

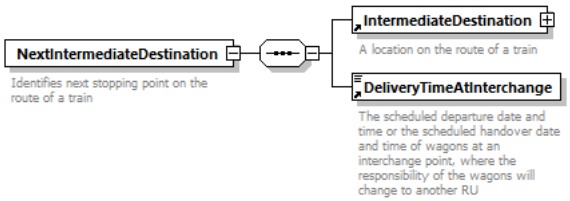
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Name Value**
used by	elements **AffectedSection PathDetailsMessage PathRequestMessage PlannedJourneyLocation**
annotation	documentation The usage of this element must be specified in national rules and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

	</xs:element>

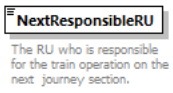
element **NetworkSpecificParameter/Value**

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

element **NextIntermediateDestination**

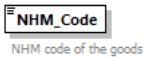
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**IntermediateDestination** **DeliveryTimeAtInterchange**
used by	element **WIMO_Dataset/ConsignmentLevelData**
annotation	documentation Identifies next stopping point on the route of a train
source	<xs:element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

element **NextResponsibleRU**

diagram	

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

element **NHM_Code**

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

element **Noise**

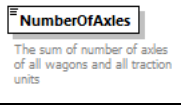
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 999

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

element **NoiseByPassLimit**

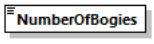
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 999
annotation	documentation Noise limit on reference track
source	<xs:element name="NoiseByPassLimit"> <xs:annotation>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

element **NumberOfAxles**

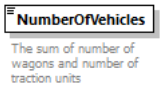
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **TrainRunningTechData**
facets	Kind Value Annotation minInclusive 0000

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

element **NumberOfBogies**

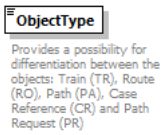
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1 maxInclusive 9
source	<xs:element name="NumberOfBogies"> <xs:simpleType> <xs:restriction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

element **NumberOfVehicles**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **TrainRunningTechData**
facets	Kind Value Annotation minInclusive 0000 maxInclusive 9999

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

element **ObjectType**

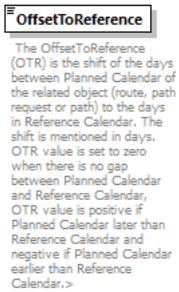
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType**
facets	Kind / Value / Annotation minLength 2 maxLength 2 pattern [0-9A-Z]{2} enumeration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

```
      <xs:enumeration                                    value="PR"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Offset**

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

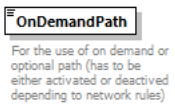
element **OffsetToReference**

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

source

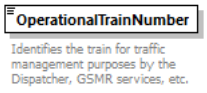
```
<xs:element          name="OffsetToReference"          type="xs:integer">
  <xs:annotation>
    <xs:documentation> The OffsetToReference (OTR) is the shift of the days
between Planned Calendar of the related object (route, path request or path)
to the days in Reference Calendar. The shift is mentioned in days. OTR value
is set to zero when there is no gap between Planned Calendar and Reference
Calendar, OTR value is positive if Planned Calendar later than Reference
Calendar and negative if Planned Calendar earlier than Reference
Calendar.></xs:documentation>
  </xs:annotation>
</xs:element>
```

element **OnDemandPath**

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

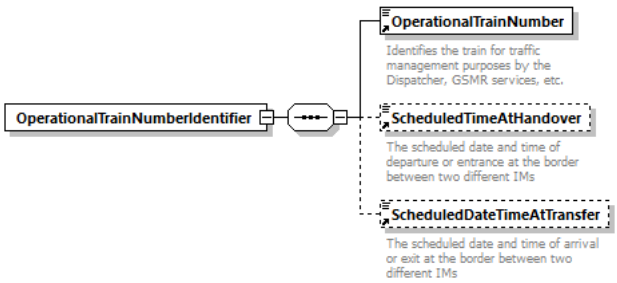
source	`<xs:element name="OnDemandPath" type="xs:boolean">`
	`<xs:annotation>`
	`<xs:documentation>For the use of on demand or optional path (has to be either activated or deactived depending to network rules)</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **OperationalTrainNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**String1-8**
properties	content simple
used by	elements **OperationalTrainNumberIdentifier** **PlannedJourneyLocation**
facets	Kind Value Annotation minLength 1 maxLength 8
annotation	documentation Identifies the train for traffic management purposes by the Dispatcher, 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**

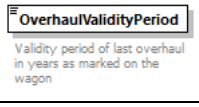
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**OperationalTrainNumber** **ScheduledTimeAtHandover** **ScheduledDateTimeAtTransfer**
used by	elements **AffectedSection** **ChangeofTrackMessage** **ReferenceOTN** **TrainAtLocation** **TrainCompositionMessage** **TrainDelayCauseMessage** **TrainJourneyModificationMessage** **TrainReadyMessage** **TrainRunningForecastMessage** **TrainRunningInformationMessage** **TrainRunningInterruptionMessage**
source	<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>

element **OriginCountry**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **CountryIdentISO**
properties	content simple
used by	elements **ITU_Details** **Wagons/WagonDetails**
facets	Kind Value Annotation minLength 2 maxLength 2 pattern [A-Z][A-Z]
annotation	documentation Code of origin country of the UTI. documentation CODE: ISO-3166-2
source	<xs:element name="OriginCountry"> <xs:annotation> <xs:documentation>Code of origin country of the UTI.</xs:documentation> <xs:documentation>CODE: ISO-3166-2</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="CountryIdentISO">

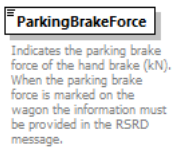
```
      <xs:pattern                                          value="[A-Z][A-Z]"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **OverhaulValidityPeriod**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1 maxExclusive 20
annotation	documentation Validity period of last overhaul in years as marked on the wagon

source	`<xs:element name="OverhaulValidityPeriod">`
	`  <xs:annotation>`
	`  <xs:documentation>Validity period of last overhaul in years as marked on the wagon</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxExclusive value="20"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **ParkingBrakeForce**

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

source

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

element **PassengerFlag**

diagram

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

type: **xs:boolean**

properties: content simple

used by: element **LocationPrimaryInformation**

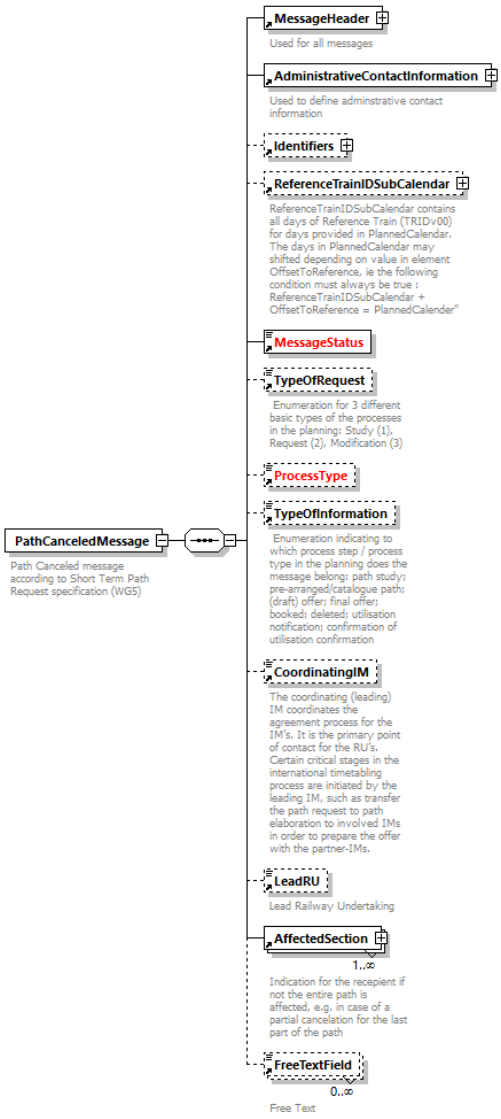
annotation: documentation
Identifies that the Entity or Location is for Passenger Activity

source

```
<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>
```

element **PathCanceledMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **TypeOfRequest** **ProcessType** **TypeOfInformation** **CoordinatingIM** **LeadRU** **AffectedSection** **FreeTextField**
annotation	documentation Path Canceled message according to Short Term Path Request specification (WG5)

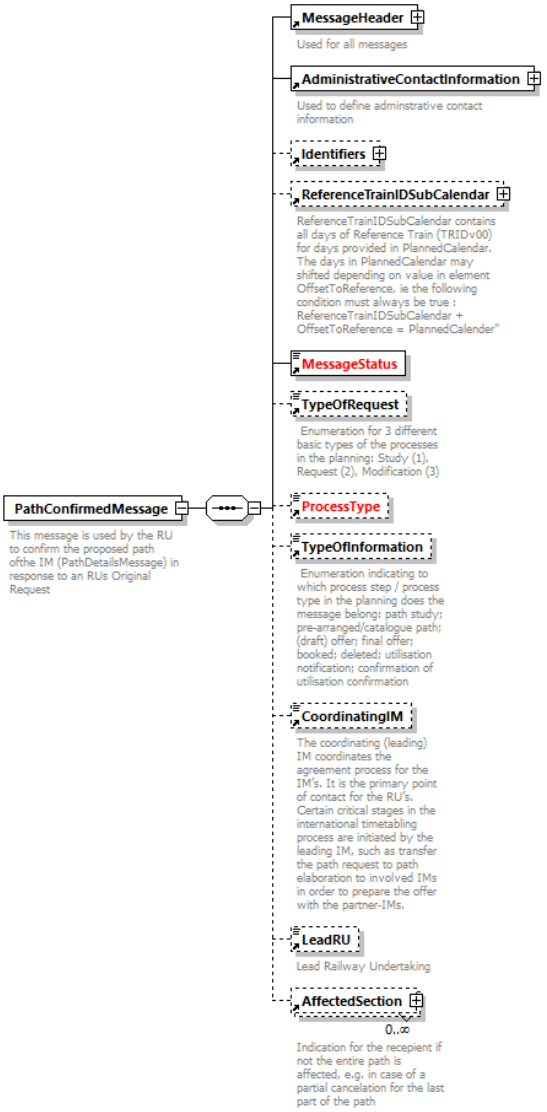
source

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

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

element **PathConfirmedMessage**

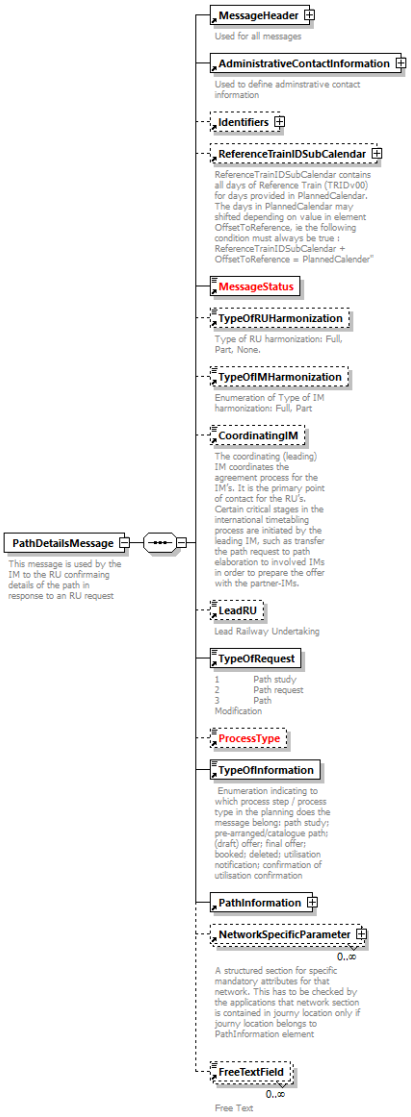
diagram



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

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

element **PathDetailsMessage**

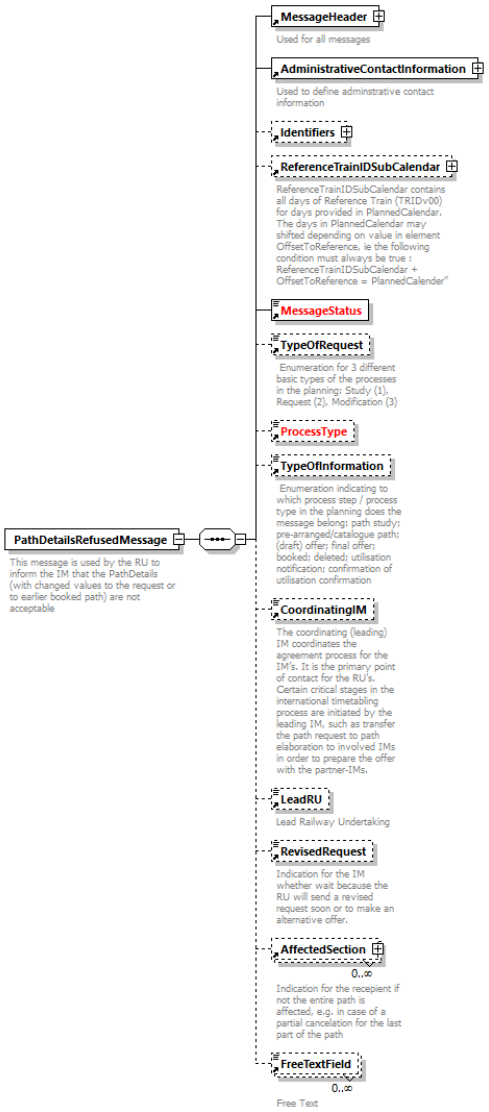
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **TypeOfRUHarmonization** **TypeOfIMHarmonization** **CoordinatingIM** **LeadRU** **TypeOfRequest** **ProcessType** **TypeOfInformation** **PathInformation** **NetworkSpecificParameter** **FreeTextField**
annotation	documentation This message is used by the IM to the RU confirmaing details of the path in response to an RU request

source

```
<xs:element                                          name="PathDetailsMessage">
  <xs:annotation>
    <xs:documentation>This message is used by the IM to the RU confirmaing
details of the path in response to an RU request</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                          ref="MessageHeader"/>
      <xs:element                          ref="AdministrativeContactInformation"/>
      <xs:element                   ref="Identifiers"                minOccurs="0"/>
      <xs:element          ref="ReferenceTrainIDSubCalendar"         minOccurs="0"/>
      <xs:element                                          ref="MessageStatus"/>
```

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

element **PathDetailsRefusedMessage**

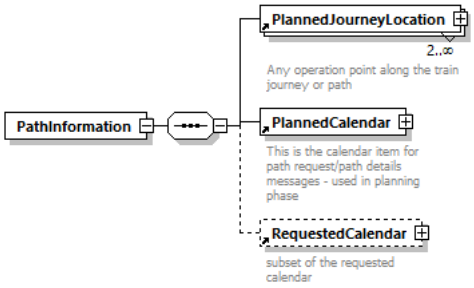
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **TypeOfRequest** **ProcessType** **TypeOfInformation** **CoordinatingIM** **LeadRU** **RevisedRequest** **AffectedSection** **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

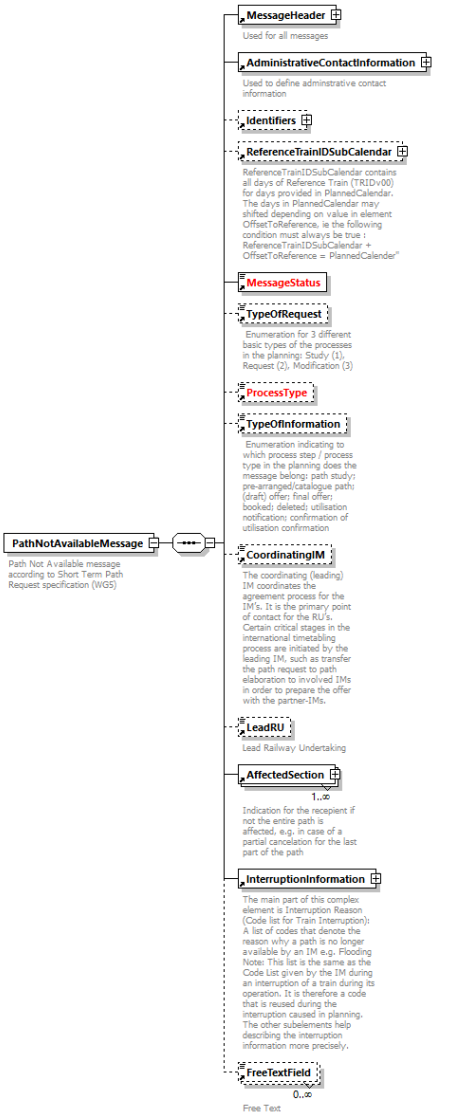
```
<xs:element name="PathDetailsRefusedMessage">
  <xs:annotation>
    <xs:documentation>This message is used by the RU to inform the IM that the PathDetails (with changed values to the request or to earlier booked path) are not acceptable</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="AdministrativeContactInformation"/>
      <xs:element ref="Identifiers" minOccurs="0"/>
```

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

element **PathInformation**

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

element **PathNotAvailableMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **TypeOfRequest** **ProcessType** **TypeOfInformation** **CoordinatingIM** **LeadRU** **AffectedSection** **InterruptionInformation** **FreeTextField**
annotation	documentation Path Not Available message according to Short Term Path Request specification (WG5)

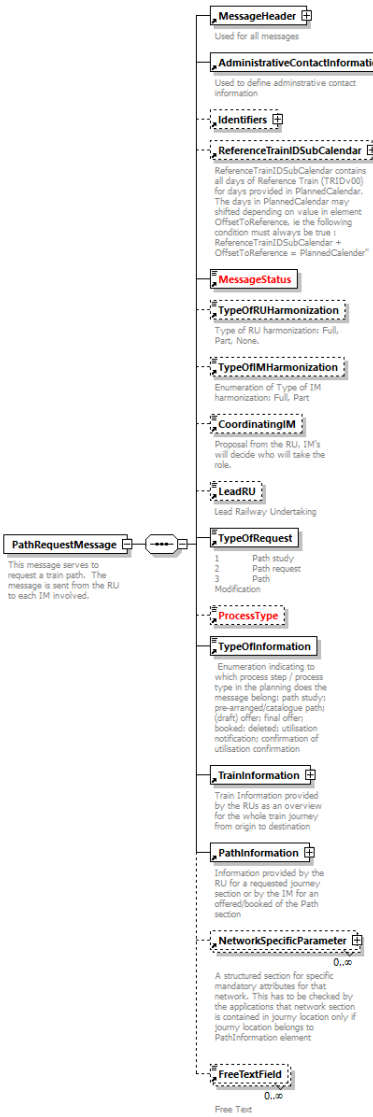
source

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

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

element **PathRequestMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **AdministrativeContactInformation** **Identifiers** **ReferenceTrainIDSubCalendar** **MessageStatus** **TypeOfRUHarmonization** **TypeOfIMHarmonization** **CoordinatingIM** **LeadRU** **TypeOfRequest** **ProcessType** **TypeOfInformation** **TrainInformation** **PathInformation** **NetworkSpecificParameter** **FreeTextField**

annotation	documentation This message serves to request a train path. The message is sent from the RU to each IM involved.

source

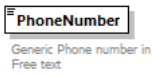
```
<xs:element                                                    name="PathRequestMessage">
  <xs:annotation>
    <xs:documentation>This message serves to request a train path.  The
message is sent from the RU to each IM involved.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>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

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

element **PermittedTolerance**

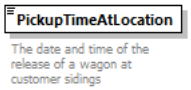
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 0 maxInclusive 99
annotation	documentation Permitted tolerance after date of overhaul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

element **PhoneNumber**

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

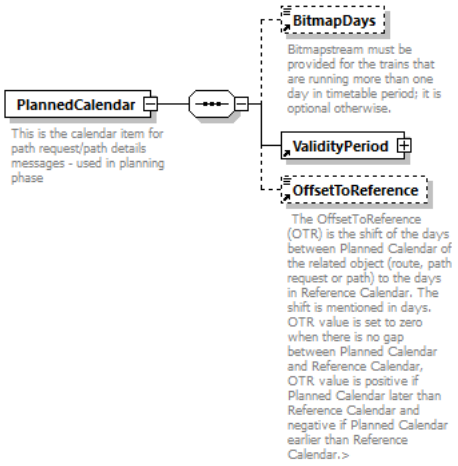
	`</xs:element>`

element **PickupTimeAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
annotation	documentation The date and time of the release of a wagon at customer sidings

source	`<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>`

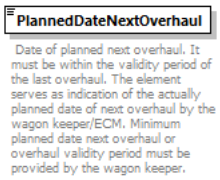
element **PlannedCalendar**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**BitmapDays ValidityPeriod OffsetToReference**
used by	elements **AffectedSection PathInformation TrainInformation**
annotation	documentation This is the calendar item for path request/path details messages - used in planning phase

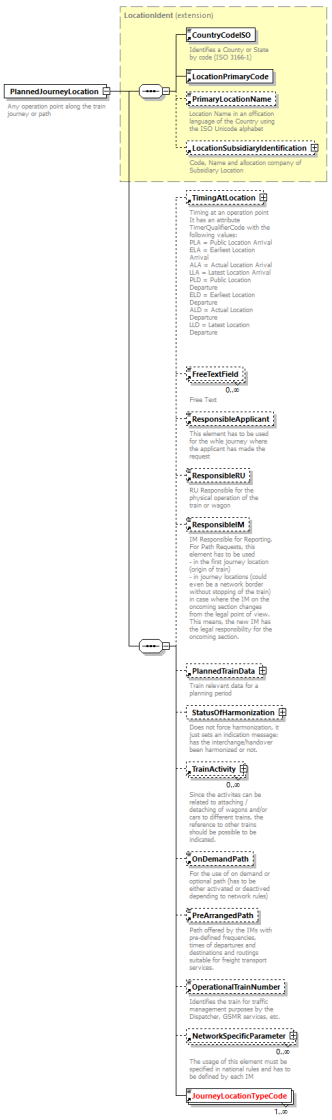
source	`<xs:element name="PlannedCalendar">`
	`  <xs:annotation>`
	`  <xs:documentation>This is the calendar item for path request/path details messages - used in planning phase</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="BitmapDays" minOccurs="0"/>`

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

element **PlannedDateNextOverhaul**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:date**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
annotation	documentation Date of 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	<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>

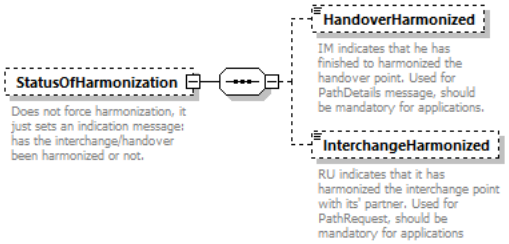
element **PlannedJourneyLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification** **TimingAtLocation** **FreeTextField** **ResponsibleApplicant** **ResponsibleRU** **ResponsibleIM** **PlannedTrainData** **StatusOfHarmonization** **TrainActivity** **OnDemandPath** **PreArrangedPath** **OperationalTrainNumber** **NetworkSpecificParameter** **JourneyLocationTypeCode**
used by	elements **PathInformation** **TrainInformation**
annotation	documentation Any operation point along the train journey or path

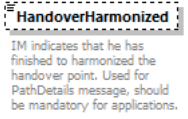
source	`<xs:element name="PlannedJourneyLocation">`
	`<xs:annotation>`
	`<xs:documentation>Any operation point along the train journey or path</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:complexContent>`

```
      <xs:extension                                    base="LocationIdent">
        <xs:sequence                                          minOccurs="1">
          <xs:element          ref="TimingAtLocation"          minOccurs="0"/>
          <xs:element            ref="FreeTextField"            minOccurs="0"
maxOccurs="unbounded"/>
          <xs:element        ref="ResponsibleApplicant"        minOccurs="0"/>
          <xs:element           ref="ResponsibleRU"            minOccurs="0"/>
          <xs:element           ref="ResponsibleIM"            minOccurs="0"/>
          <xs:element          ref="PlannedTrainData"          minOccurs="0"/>
          <xs:element       name="StatusOfHarmonization"       minOccurs="0">
            <xs:annotation>
              <xs:documentation>Does not force harmonization, it just sets an
indication message: has the interchange/handover been harmonized or
not.</xs:documentation>
            </xs:annotation>
            <xs: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:element       ref="JourneyLocationTypeCode"       minOccurs="1"
maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
```

element **PlannedJourneyLocation/StatusOfHarmonization**

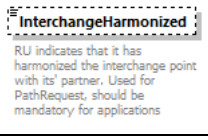
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**HandoverHarmonized** **InterchangeHarmonized**
annotation	documentation Does not force harmonization, it just sets an indication message: has the interchange/handover been harmonized or not.
source	`<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>`

element **PlannedJourneyLocation/StatusOfHarmonization/HandoverHarmonized**

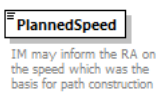
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	minOcc 0 maxOcc 1

	content simple
annotation	documentation IM indicates that he has finished to harmonized the handover point. Used for PathDetails message, should be mandatory for applications.
source	<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>

element **PlannedJourneyLocation/StatusOfHarmonization/InterchangeHarmonized**

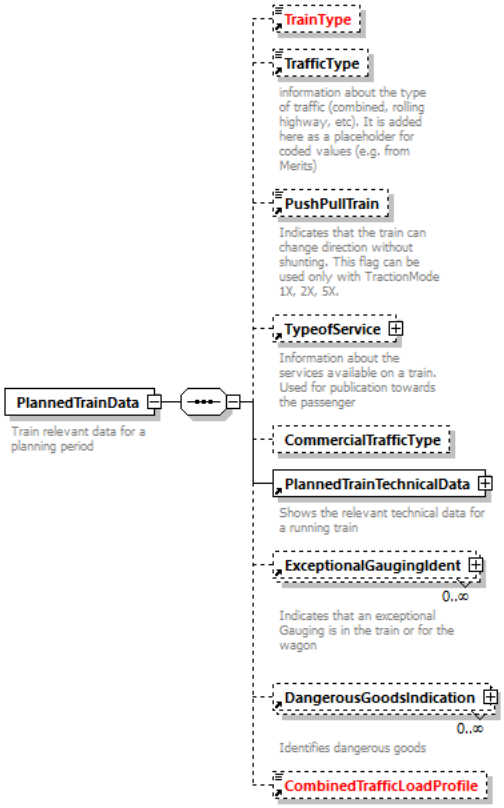
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation RU indicates that it has harmonized the interchange point with its' partner. Used for PathRequest, should be mandatory for applications
source	<xs:element 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>

element **PlannedSpeed**

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

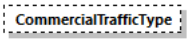
	for path construction</xs:documentation> </xs:annotation> </xs:element>

element **PlannedTrainData**

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

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

element **PlannedTrainData/CommercialTrafficType**

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

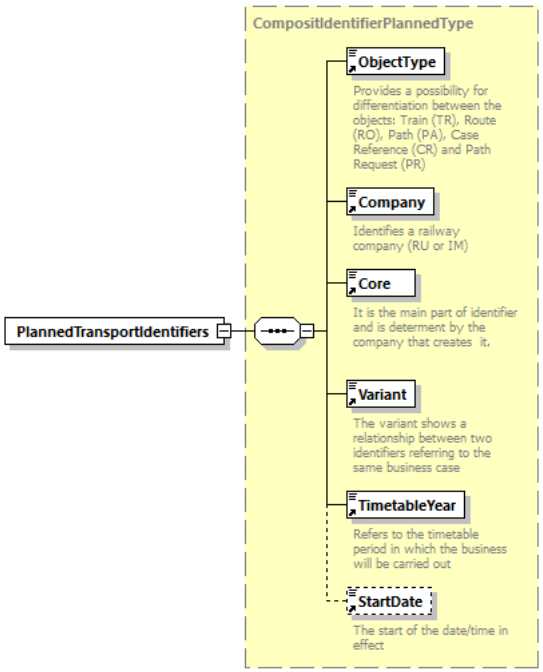
element **PlannedTrainTechnicalData**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**TrainWeight TrainLength WeightOfSetOfCarriages LengthOfSetOfCarriages TractionDetails TrainMaxSpeed HighestPlannedSpeed PlannedSpeed Coasting MaxAxleWeight RouteClass BrakeType EmergencyBrakeOverride BrakingRatio MinBrakedWeightPercent BrakeWeight TrainCC_System TrainRadioSystem TiltingFunction**
used by	element **PlannedTrainData**
annotation	documentation Shows the relevant technical data for a running train
source	<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="PlannedSpeed"              minOccurs="0"/>
      <xs:element                 ref="Coasting"                minOccurs="0"/>
      <xs:element              ref="MaxAxleWeight"              minOccurs="0"/>
      <xs:element                ref="RouteClass"                minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indication of the route class (based on CEN EN
15528: line categories for managing the interface between load limits of
vehicels                on                infrastructure).</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element                 ref="BrakeType"                 minOccurs="0"/>
      <xs:element         ref="EmergencyBrakeOverride"         minOccurs="0"/>
      <xs:element               ref="BrakingRatio"              minOccurs="0"/>
      <xs:element         ref="MinBrakedWeightPercent"         minOccurs="0"/>
      <xs:element               ref="BrakeWeight"               minOccurs="0"/>
      <xs:element ref="TrainCC_System" minOccurs="0" maxOccurs="unbounded"/>
      <xs:element            ref="TrainRadioSystem"            minOccurs="0"/>
      <xs:element              ref="TiltingFunction"            minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indicates   if   a   train   uses   a   tilting
system</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **PlannedTransportIdentifiers**

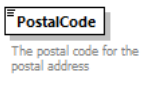
diagram



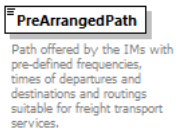
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

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

element **PostalCode**

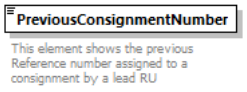
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 10
annotation	documentation The postal code for the postal address
source	`<xs:element name="PostalCode"><xs:annotation><xs:documentation>The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

element **PreArrangedPath**

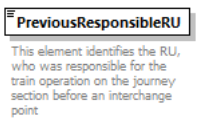
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	element **PlannedJourneyLocation**
facets	Kind Value Annotation minLength 1 maxLength 9

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

element **PreviousConsignmentNumber**

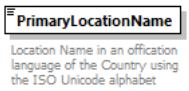
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**ConsignmentIdent**
properties	content complex
used by	element **WIMO_Dataset/ConsignmentLevelData**
annotation	documentation This element shows the previous Reference number assigned to a consignment by a lead RU
source	<xs:element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

element **PreviousResponsibleRU**

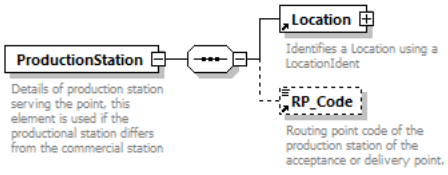
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
used by	elements **ConsignmentOrderMessage/COMS/COM/AcceptancePoint** **WIMO_Dataset/ConsignmentLevelData**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}

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

element **PrimaryLocationName**

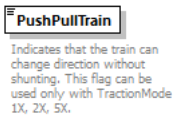
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**FreeText**
properties	content simple
used by	complexType **LocationIdent**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Location Name in an offication language of the Country using the ISO Unicode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

element **ProductionStation**

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

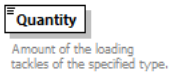
```
    <xs:documentation>Details of production station serving the point, this element is used if the productional station differs from the commercial station</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                    ref="Location"/>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

element **PushPullTrain**

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

source	`<xs:element name="PushPullTrain" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates that the train can change direction without shunting. This flag can be used only with TractionMode 1X, 2X, 5X.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **Quantity**

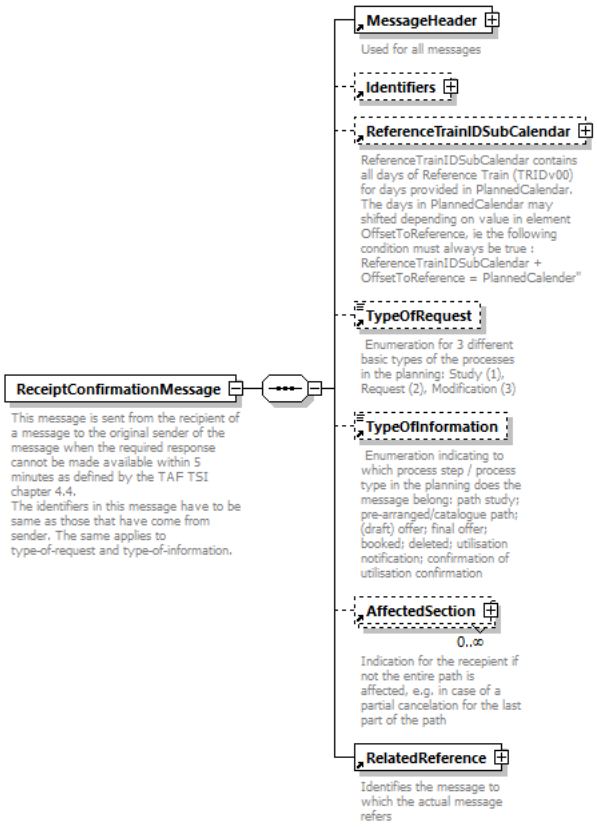
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	content simple
used by	elements **ConsignmentOrderMessage/COMS/COM/AttachedDocuments** **LoadingTackles**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Amount of the loading tackles of the specified type.

source	`<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>
```

element **ReceiptConfirmationMessage**

diagram



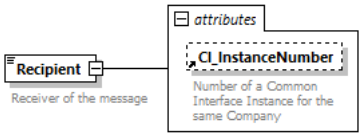
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **Identifiers** **ReferenceTrainIDSubCalendar** **TypeOfRequest** **TypeOfInformation** **AffectedSection** **RelatedReference**
annotation	documentation This message is sent from the recipient 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.

source

```
<xs:element                                       name="ReceiptConfirmationMessage">
  <xs:annotation>
    <xs:documentation>This message is sent from the recipient of a message to
the original sender of the message when the required response cannot be made
available within 5 minutes as defined by the TAF TSI chapter 4.4.
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-
```

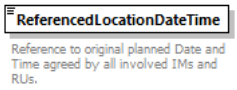
```
information.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                    ref="MessageHeader"/>
      <xs:element              ref="Identifiers"              minOccurs="0"/>
      <xs:element      ref="ReferenceTrainIDSubCalendar"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

element **Recipient**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **CompanyCode**
properties	content complex
used by	element **MessageHeader**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
attributes	Name Type Use Default Fixed Annotation CI_InstanceNumber **Numeric2-2** documentation Number of a Common Interface Instance for the same Company
annotation	documentation Receiver of the message
source	see below

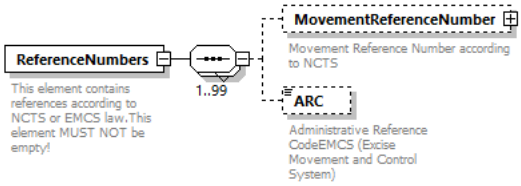
```
<xs:element                                                name="Recipient">
  <xs:annotation>
    <xs:documentation>Receiver of the message</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension                                        base="CompanyCode">
        <xs:attribute                                ref="CI_InstanceNumber"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

element **ReferencedLocationDateTime**

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

source	`<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>`

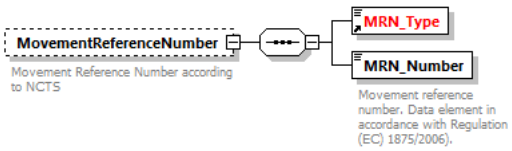
element **ReferenceNumbers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MovementReferenceNumber ARC**
used by	elements **ITU_Details Wagons/WagonDetails**
annotation	documentation This element contains references according to NCTS or EMCS law.This element MUST NOT be empty!

source	`<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 maxOccurs="99">`
	`<xs:element name="MovementReferenceNumber" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>Movement Reference Number according to NCTS</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element ref="MRN_Type"/>`
	`<xs:element name="MRN_Number">`
	`<xs:annotation>`
	`<xs:documentation>Movement reference number. Data element in accordance with Regulation (EC) 1875/2006).</xs:documentation>`

```
            </xs:annotation>
            <xs: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>
    <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                                    base="xs:string">
          <xs:length                                           value="21"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

element **ReferenceNumbers/MovementReferenceNumber**

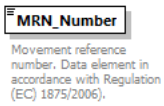
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**MRN_Type** **MRN_Number**
annotation	documentation Movement Reference Number according to NCTS

source

```
<xs:element          name="MovementReferenceNumber"          minOccurs="0">
  <xs:annotation>
    <xs:documentation>Movement     Reference     Number     according     to
NCTS</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                              ref="MRN_Type"/>
      <xs:element                                            name="MRN_Number">
        <xs:annotation>
          <xs:documentation>Movement  reference  number.  Data  element  in
accordance    with    Regulation    (EC)    1875/2006).</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
```

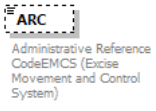
```
          <xs:restriction                                    base="xs:string">
            <xs:minLength                                          value="1"/>
            <xs:maxLength                                         value="21"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ReferenceNumbers/MovementReferenceNumber/MRN_Number**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 21
annotation	documentation Movement reference number. Data element in accordance with Regulation (EC) 1875/2006).

source	`<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 base="xs:string">`
	`<xs:minLength value="1"/>`
	`<xs:maxLength value="21"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

element **ReferenceNumbers/ARC**

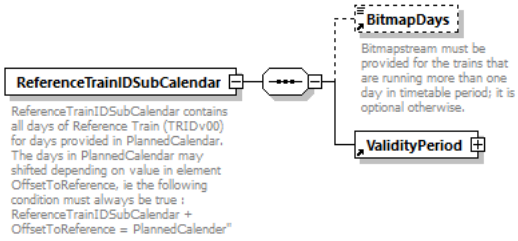
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation length 21
annotation	documentation Administrative Reference CodeEMCS (Excise Movement and Control System) documentation

	CODE: EU (EC) No 684/2009
source	<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 base="xs:string"> <xs:length value="21"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ReferenceOTN**

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

element **ReferenceTrainIDSubCalendar**

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

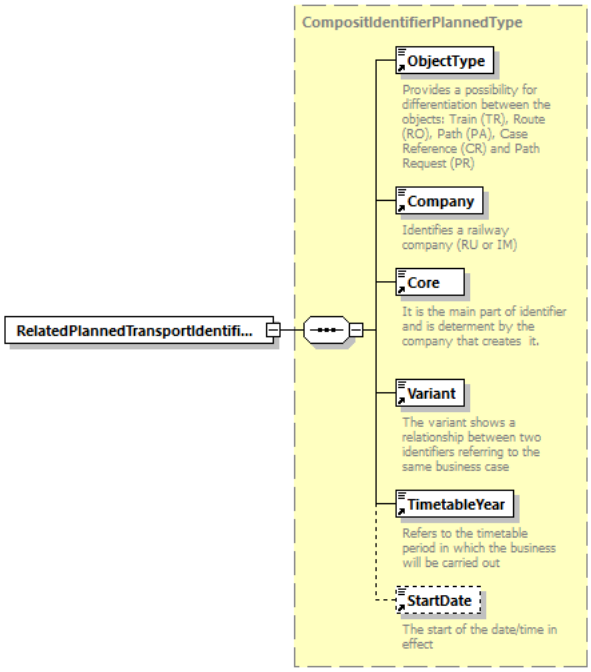
source

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

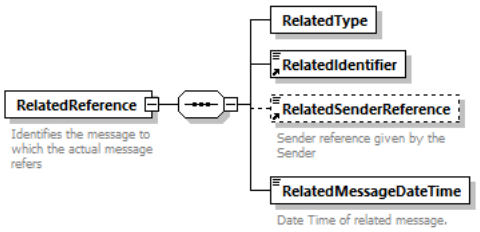
element **RelatedIdentifier**

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

element **RelatedPlannedTransportIdentifiers**

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

element **RelatedReference**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**RelatedType RelatedIdentifier RelatedSenderReference RelatedMessageDateTime**
used by	elements **ReceiptConfirmationMessage WagonDepartureNoticeMessage WagonDeviationMessage WagonETI_ETA_Message**
annotation	documentation Identifies the message to which the actual message refers
source	`<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>
```

element **RelatedReference/RelatedType**

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

element **RelatedReference/RelatedMessageDateTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
annotation	documentation Date Time of related message.

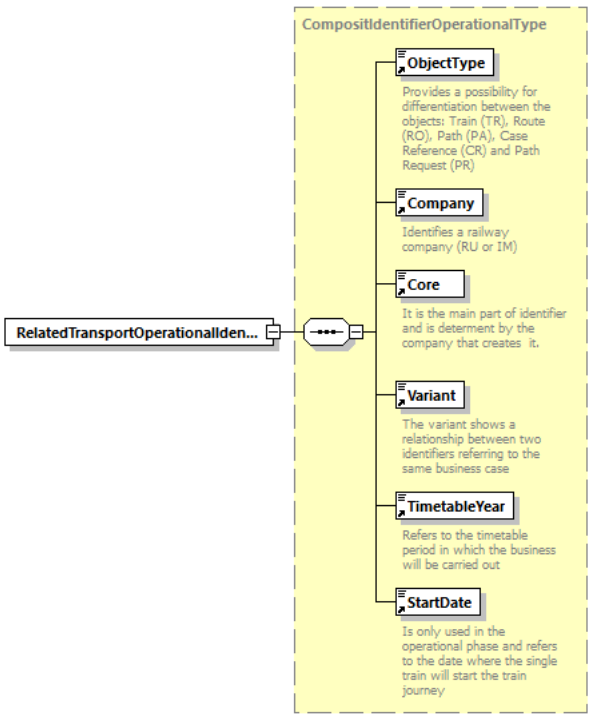
source	`<xs:element name="RelatedMessageDateTime" type="xs:dateTime">`
	`<xs:annotation>`
	`<xs:documentation>Date Time of related message. </xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **RelatedSenderReference**

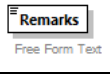
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**FreeText**
properties	content simple
used by	element **RelatedReference**

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

element **RelatedTransportOperationalIdentifiers**

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

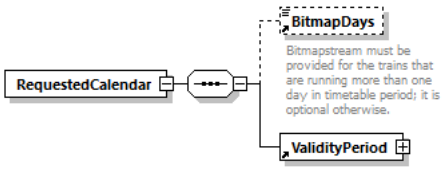
element **Remarks**

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

properties	content simple
used by	elements **DelayCauseTime InterruptionPoint TrainJourneyModificationMessage**
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Free Form Text

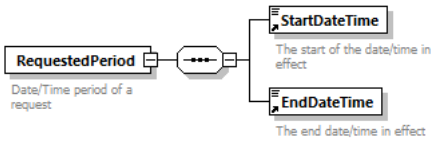
source	`<xs:element name="Remarks" type="FreeText">`
	`<xs:annotation>`
	`<xs:documentation>Free Form Text</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **RequestedCalendar**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**BitmapDays ValidityPeriod**
used by	element **PathInformation**

source	`<xs:element name="RequestedCalendar">`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element ref="BitmapDays" minOccurs="0"/>`
	`<xs:element ref="ValidityPeriod"/>`
	`</xs:sequence>`
	`</xs:complexType>`
	`</xs:element>`

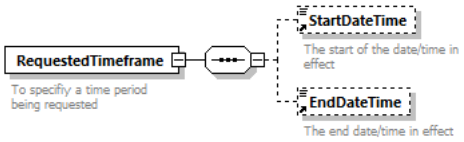
element **RequestedPeriod**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**StartDateTime EndDateTime**
annotation	documentation Date/Time period of a request

source	`<xs:element name="RequestedPeriod">`
	`<xs:annotation>`
	`<xs:documentation>Date/Time period of a request</xs:documentation>`

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

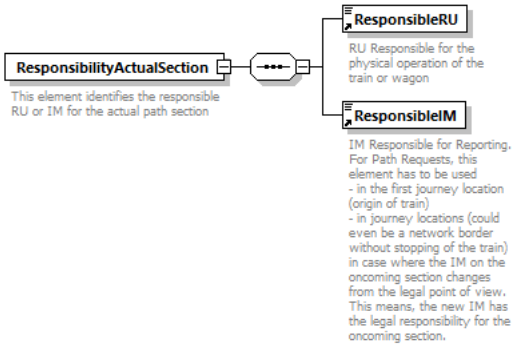
element **RequestedTimeframe**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**StartDateTime** **EndDateTime**
annotation	documentation To specifiy a time period being requested

source

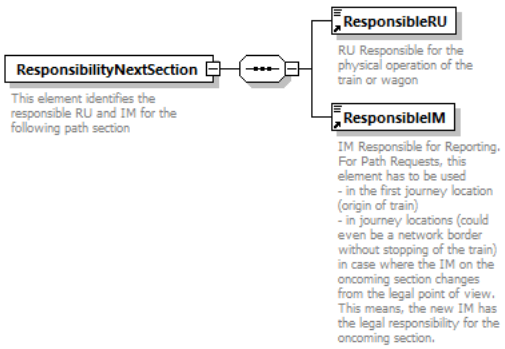
```
<xs:element                                   name="RequestedTimeframe">
  <xs:annotation>
    <xs:documentation>To      specifiy      a      time      period      being
requested</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element            ref="StartDateTime"            minOccurs="0"/>
      <xs:element             ref="EndDateTime"             minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **ResponsibilityActualSection**

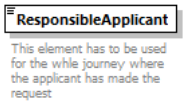
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**ResponsibleRU** **ResponsibleIM**

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

element **ResponsibilityNextSection**

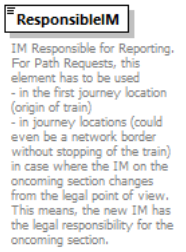
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**ResponsibleRU** **ResponsibleIM**
used by	element **JourneySection**
annotation	documentation This element identifies the responsible RU and IM for the following path section
source	<xs:element name="ResponsibilityNextSection"> <xs:annotation> <xs:documentation>This element identifies the responsible RU and IM for the following path section</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="ResponsibleRU"/> <xs:element ref="ResponsibleIM"/> </xs:sequence> </xs:complexType> </xs:element>

element **ResponsibleApplicant**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **CompanyCode**
properties	content simple
used by	element **PlannedJourneyLocation**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation This element has to be used for the whle journey where the applicant has made the request

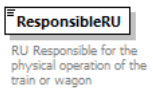
source	`<xs:element name="ResponsibleApplicant">`
	`<xs:annotation>`
	`<xs:documentation>This element has to be used for the whle journey where the applicant has made the request</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="CompanyCode"/>`
	`</xs:simpleType>`
	`</xs:element>`

element **ResponsibleIM**

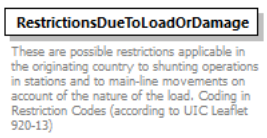
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
used by	elements **LocationPrimaryInformation** **PlannedJourneyLocation** **ResponsibilityActualSection** **ResponsibilityNextSection**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	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.
source	<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> </xs:element>

element **ResponsibleRU**

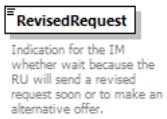
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
used by	elements **ConsignmentOrderMessage/COMS/COM/AcceptancePoint** **ExceptionPoint** **PlannedJourneyLocation** **ResponsibilityActualSection** **ResponsibilityNextSection** **TrainDelayCauseMessage**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

element **RestrictionsDueToLoadOrDamage**

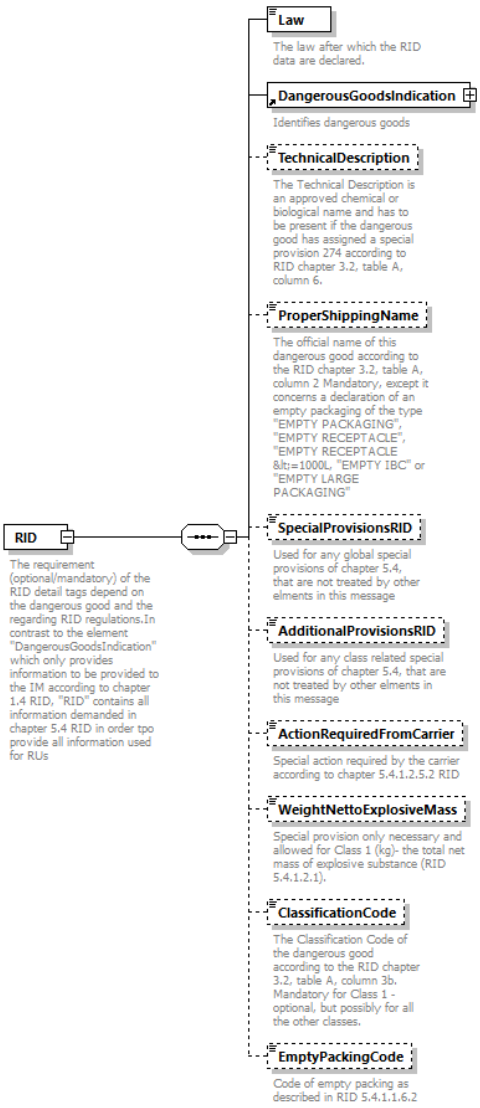
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**RestrictionCodes**
used by	element **WagonOperationalData**
annotation	documentation These are possible restrictions applicable in the originating country to shunting operations in stations and to main-

	line movements on account of the nature of the load. Coding in Restriction Codes (according to UIC Leaflet 920-13)
source	<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>

element **RevisedRequest**

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

element **RID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Law** **DangerousGoodsIndication** **TechnicalDescription** **ProperShippingName** **SpecialProvisionsRID** **AdditionalProvisionsRID** **ActionRequiredFromCarrier** **WeightNettoExplosiveMass** **ClassificationCode** **EmptyPackingCode**
used by	element **Goods**
annotation	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 tpo provide all information used for RUs

source	`<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 tpo provide all information used for RUs`</xs:documentation>`

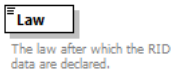
```
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                                name="Law">
        <xs:annotation>
          <xs:documentation>The law after which the RID data are
declared.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <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>
          <xs:restriction                                 base="xs:string">
            <xs:minLength                                       value="1"/>
            <xs:maxLength                                     value="350"/>
          </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 elments in this message</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="AdditionalProvisionsRID"       minOccurs="0">
        <xs:annotation>
          <xs:documentation>Used for any class related special provisions of
chapter  5.4,  that  are  not  treated  by  other  elments  in  this
message</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="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                                    base="xs:string">
            <xs:minLength                                          value="1"/>
            <xs:maxLength                                        value="350"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element       name="WeightNettoExplosiveMass"       minOccurs="0">
        <xs:annotation>
          <xs:documentation>Special provision only necessary and allowed for
Class  1  (kg)-  the  total  net  mass  of  explosive  substance  (RID
5.4.1.2.1).</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                   base="xs:decimal">
            <xs:minInclusive                                       value="0"/>
            <xs:fractionDigits                                     value="1"/>
            <xs:totalDigits                                        value="8"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element          name="ClassificationCode"          minOccurs="0">
        <xs:annotation>
          <xs:documentation>The  Classification  Code  of  the  dangerous  good
according to the RID chapter 3.2, table A, column 3b. Mandatory for Class 1 -
optional,  but  possibly  for  all  the  other  classes.</xs:documentation>
          <xs:documentation>CODE:  OTIF  RID-Specification</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                    base="xs:string">
            <xs:minLength                                          value="1"/>
            <xs:maxLength                                           value="4">
              <xs:annotation>
                <xs:documentation>present       only       with       class
1</xs:documentation>
              </xs:annotation>
            </xs:maxLength>
          </xs:restriction>
        </xs:simpleType>
```

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

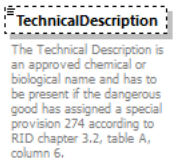
```
                <xs:documentation>EMPTY    PORTABLE    TANK</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration                                          value="11">
              <xs:annotation>
                <xs:documentation>EMPTY    BATTERY-VEHICLE</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>
            <xs:enumeration                                          value="18">
              <xs:annotation>
                <xs:documentation>EMPTY</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RID/Law**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	content simple
facets	Kind Value Annotation enumeration 2013 enumeration 2015 enumeration 2017 enumeration 2019
annotation	documentation The law after which the RID data are declared.

source	`<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>`

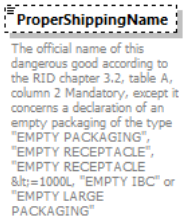
element **RID/TechnicalDescription**

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

source	`<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>
```

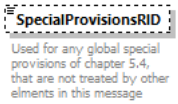
element **RID/ProperShippingName**

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

source

```
<xs:element              name="ProperShippingName"              minOccurs="0">
  <xs:annotation>
    <xs:documentation>The official name of this dangerous good according to
the RID chapter 3.2, table A, column 2 Mandatory, except it concerns a
declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY
RECEPTACLE", "EMPTY RECEPTACLE &lt;=1000L, "EMPTY IBC" or "EMPTY LARGE
PACKAGING"</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                    base="xs:string">
      <xs:minLength                                          value="1"/>
      <xs:maxLength                                        value="350"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RID/SpecialProvisionsRID**

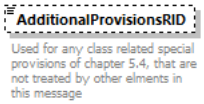
diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Used for any global special provisions of chapter 5.4, that are not treated by other elments in this message

source

```
<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 elments in this message</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>
```

element **RID/AdditionalProvisionsRID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 350
annotation	documentation Used for any class related special provisions of chapter 5.4, that are not treated by other elments in this message

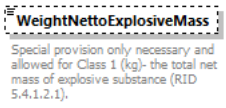
source

```
<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 elments in this message</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>
```

element **RID/ActionRequiredFromCarrier**

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

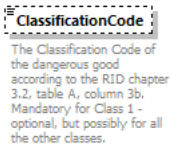
element **RID/WeightNettoExplosiveMass**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:decimal**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation 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	<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>
```

element **RID/ClassificationCode**

diagram



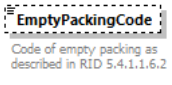
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minLength 1 maxLength 4 — documentation: present only with class 1
annotation	documentation The Classification Code of the dangerous good 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

```
<xs:element              name="ClassificationCode"              minOccurs="0">
  <xs:annotation>
    <xs:documentation>The Classification Code of the dangerous good according
to the RID chapter 3.2, table A, column 3b. Mandatory for Class 1 - optional,
but    possibly    for    all    the    other    classes.</xs:documentation>
    <xs:documentation>CODE:    OTIF    RID-Specification</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                          base="xs:string">
      <xs:minLength                                             value="1"/>
      <xs:maxLength                                              value="4">
        <xs:annotation>
          <xs:documentation>present  only  with  class  1</xs:documentation>
        </xs:annotation>
      </xs:maxLength>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RID/EmptyPackingCode**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**

properties	minOcc 0 maxOcc 1 content simple

facets

Kind	Value	Annotation
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

documentation
Code of empty packing as described in RID 5.4.1.1.6.2
documentation
CODE: OTIF RID-Specification, element EMPTY has been added as 'dummy' until the code list has been finished and approved.

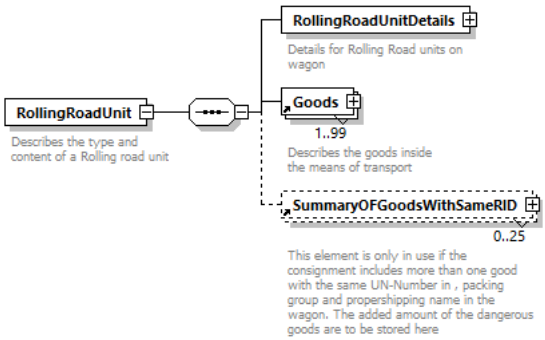
source

```
<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>
            <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>
      <xs:enumeration                                          value="18">
        <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/3.1
properties	content complex
children	**RollingRoadUnitDetails** **Goods** **SummaryOFGoodsWithSameRID**
used by	element **Wagons**
annotation	documentation Describes the type and content of a Rolling road unit

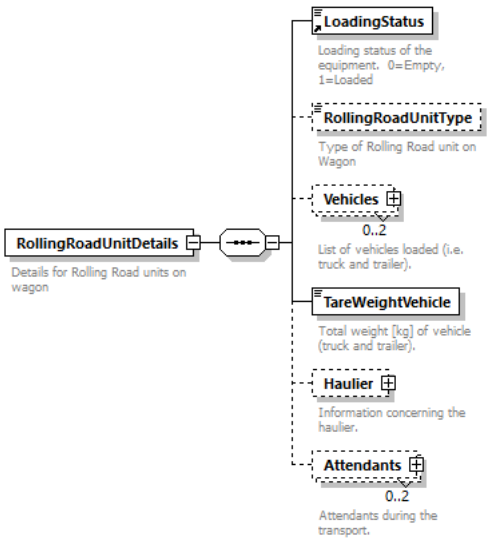
source	`<xs:element name="RollingRoadUnit">`
	`  <xs:annotation>`
	`  <xs:documentation>Describes the type and content of a Rolling road unit</xs:documentation>`
	`  </xs:annotation>`

```
  <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: <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                                base="xs:string">
                  <xs:minLength                                      value="1"/>
                  <xs:maxLength                                      value="3"/>
                  <xs:enumeration                                   value="HGZ">
                    <xs:annotation>
                      <xs:documentation>articulated lorry</xs:documentation>
                    </xs:annotation>
                  </xs:enumeration>
                  <xs:enumeration                                    value="SAL">
                    <xs:annotation>
                      <xs:documentation>semi-trailer</xs:documentation>
                    </xs:annotation>
                  </xs:enumeration>
                  <xs:enumeration                                     value="MW">
                    <xs:annotation>
                      <xs:documentation>motor     vehicle</xs:documentation>
                    </xs:annotation>
                  </xs:enumeration>
                  <xs:enumeration                                    value="ANH">
                    <xs:annotation>
                      <xs:documentation>trailer</xs:documentation>
                    </xs:annotation>
                  </xs:enumeration>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element    name="Vehicles"    minOccurs="0"    maxOccurs="2">
              <xs:annotation>
                <xs:documentation>List of vehicles loaded (i.e. truck and
trailer).</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element                                  name="NumberPlate">
                    <xs:annotation>
```

```
                    <xs:documentation>Number plate of the
vehicle.</xs:documentation>
                    <xs:documentation>READ: <br/> -
Consignee</xs:documentation>
                    <xs:documentation>WRITE: <br/> -
Consignor</xs:documentation>
                    <xs:documentation>AMEND: <br/> - Contractual carrier
<br/> - Successive carrier<br/> (With the agreement of the
consignor)</xs:documentation>
                  </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: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>
          </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:element name="Attendants" minOccurs="0" maxOccurs="2">
            <xs:annotation>
              <xs:documentation>Attendants during the
transport.</xs:documentation>
            </xs:annotation>
            <xs:complexType>
              <xs:sequence>
                <xs:element name="LastName">
                  <xs:annotation>
                    <xs:documentation>Last name of
attendant.</xs:documentation>
                    <xs:documentation>READ: <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                    base="xs:string">
                      <xs:minLength                          value="1"/>
                      <xs:maxLength                        value="25"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:element>
                <xs:element        name="FirstName"        minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Optional first name of the
attendant.</xs:documentation>
                    <xs:documentation>READ:           <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                    base="xs:string">
                      <xs:minLength                          value="1"/>
                      <xs:maxLength                        value="15"/>
                    </xs:restriction>
                  </xs:simpleType>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element                ref="Goods"                maxOccurs="99">
      <xs:annotation/>
    </xs:element>
    <xs:element       ref="SummaryOFGoodsWithSameRID"       minOccurs="0"
maxOccurs="25"/>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**LoadingStatus RollingRoadUnitType Vehicles TareWeightVehicle Haulier Attendants**
annotation	documentation Details for Rolling Road units on wagon

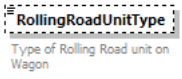
source

```
<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:   <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                                  base="xs:string">
            <xs:minLength                                        value="1"/>
            <xs:maxLength                                        value="3"/>
            <xs:enumeration                                     value="HGZ">
              <xs:annotation>
                <xs:documentation>articulated       lorry</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration                                     value="SAL">
              <xs:annotation>
                <xs:documentation>semi-trailer</xs:documentation>
              </xs:annotation>
```

```
            </xs:enumeration>
            <xs:enumeration                                    value="MW">
              <xs:annotation>
                <xs:documentation>motor           vehicle</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
            <xs:enumeration                                    value="ANH">
              <xs:annotation>
                <xs:documentation>trailer</xs:documentation>
              </xs:annotation>
            </xs:enumeration>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element      name="Vehicles"      minOccurs="0"      maxOccurs="2">
        <xs:annotation>
          <xs:documentation>List   of   vehicles   loaded   (i.e.   truck   and
trailer).</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element                                  name="NumberPlate">
              <xs:annotation>
                <xs:documentation>Number         plate         of         the
vehicle.</xs:documentation>
                <xs:documentation>READ: <br/> - Consignee</xs:documentation>
                <xs:documentation>WRITE: <br/> - Consignor</xs:documentation>
                <xs:documentation>AMEND: <br/> - Contractual carrier <br/> -
Successive     carrier<br/>     (With     the     agreement     of     the
consignor)</xs:documentation>
              </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: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>
      </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:element     name="Attendants"     minOccurs="0"     maxOccurs="2">
        <xs:annotation>
          <xs:documentation>Attendants               during               the
transport.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element                                        name="LastName">
              <xs:annotation>
                <xs:documentation>Last name of attendant.</xs:documentation>
                <xs:documentation>READ: <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                                base="xs:string">
                  <xs:minLength                                      value="1"/>
                  <xs:maxLength                                    value="25"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element            name="FirstName"            minOccurs="0">
              <xs:annotation>
                <xs:documentation>Optional     first     name     of     the
attendant.</xs:documentation>
                <xs:documentation>READ: <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                                base="xs:string">
                  <xs:minLength                                      value="1"/>
                  <xs:maxLength                                    value="15"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails/RollingRoadUnitType**

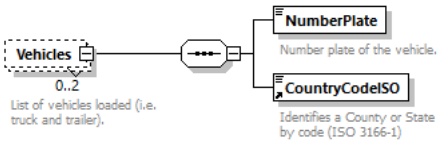
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple default HGZ
facets	Kind / Value / Annotation minLength 1 maxLength 3 enumeration HGZ documentation articulated lorry enumeration SAL documentation semi-trailer 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 consignor)

source

```
<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 base="xs:string">
      <xs:minLength value="1"/>
      <xs:maxLength value="3"/>
      <xs:enumeration value="HGZ">
        <xs:annotation>
          <xs:documentation>articulated lorry</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="SAL">
        <xs:annotation>
          <xs:documentation>semi-trailer</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="MW">
        <xs:annotation>
          <xs:documentation>motor vehicle</xs:documentation>
        </xs:annotation>
```

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

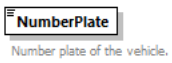
element **RollingRoadUnit/RollingRoadUnitDetails/Vehicles**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 2 content complex
children	**NumberPlate CountryCodeISO**
annotation	documentation List of vehicles loaded (i.e. truck and trailer).

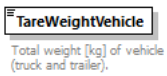
source

```
<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/>  -
Successive     carrier<br/>     (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:complexType>
</xs:element>
```

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

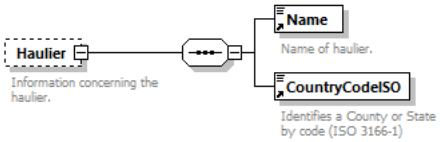
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 10
annotation	documentation Number plate of the vehicle. documentation READ: - Consignee documentation WRITE: - Consignor documentation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

element **RollingRoadUnit/RollingRoadUnitDetails/TareWeightVehicle**

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

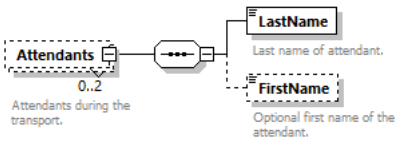
	`</xs:element>`

element **RollingRoadUnit/RollingRoadUnitDetails/Haulier**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**Name CountryCodeISO**
annotation	documentation Information concerning the haulier.

source	`<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>`

element **RollingRoadUnit/RollingRoadUnitDetails/Attendants**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 2 content complex
children	**LastName FirstName**
annotation	documentation Attendants during the transport.

source	`<xs:element name="Attendants" minOccurs="0" maxOccurs="2">`
	`<xs:annotation>`
	`<xs:documentation>Attendants during the transport.</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element name="LastName">`

```
        <xs:annotation>
          <xs:documentation>Last name of attendant.</xs:documentation>
          <xs:documentation>READ: <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 base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="25"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="FirstName" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Optional first name of the attendant.</xs:documentation>
          <xs:documentation>READ: <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 base="xs:string">
            <xs:minLength value="1"/>
            <xs:maxLength value="15"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails/Attendants/LastName**

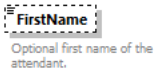
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 25
annotation	documentation Last name of attendant. documentation READ: - Consignee documentation WRITE: - Consignor documentation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

source

```
<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                                          base="xs:string">
      <xs:minLength                                               value="1"/>
      <xs:maxLength                                              value="25"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingRoadUnit/RollingRoadUnitDetails/Attendants/FirstName**

diagram



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

type: restriction of **xs:string**

properties

minOcc	0
maxOcc	1
content	simple

facets

Kind	Value	Annotation
minLength	1	
maxLength	15	

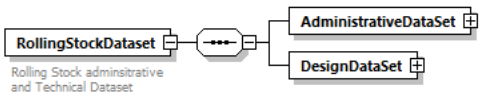
annotation

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

```
<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                                          base="xs:string">
      <xs:minLength                                               value="1"/>
      <xs:maxLength                                              value="15"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingStockDataset**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**AdministrativeDataSet** **DesignDataSet**
used by	elements **RollingStockDatasetMessage** **WIMO_Dataset**
annotation	documentation Rolling Stock adminsitrative and Technical Dataset
source	<xs:element name="RollingStockDataset"> <xs:annotation> <xs:documentation>Rolling Stock adminsitrative and Technical Dataset</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="AdministrativeDataSet"> <xs:complexType> <xs:sequence> <xs:element ref="WagonNumberFreight"/> <xs:element name="PreviousWagonNumberFreight" type="WagonIdent" minOccurs="0"> <xs:annotation> <xs:documentation>For identification of a wagon after renumbering</xs:documentation> </xs:annotation> </xs:element> <xs:element name="RegistrationCountry" type="CountryIdentISO"> <xs:annotation> <xs:documentation>ISO country code of registration country</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DatePutIntoService"> <xs:annotation> <xs:documentation>Date of first operation</xs:documentation> </xs:annotation> </xs:element> <xs:element name="AuthorisationValidUntil" type="xs:date" minOccurs="0"> <xs:annotation> <xs:documentation>End date for restricted authorisation (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 - if the transport is planned between UK and France and should
use Eurotunnel infrastructure.</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element name="QuieterRoutesExemptionCountry"
type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded">
                <xs:annotation>
                  <xs:documentation>ISO code of country where the wagon has an
exemption in accordance with TSI Noise to run on quieter routes although it
is not TSI noise compliant</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element ref="KeeperShortNameVKM">
                <xs:annotation>
                  <xs:documentation>Vehicle Keeper Marking of the wagon keeper
as listed in VKM register (http://www.era.europa.eu/Document-
Register/Pages/list-VKM.aspx, column B - without special
characters)</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element name="ECM">
                <xs:annotation>
                  <xs:documentation> Full name of the assigned Entity in Charge
of Maintenance</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                  <xs:restriction 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: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               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" 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):

01 = National
02 = Bi-/Multilateral (with agreement or authorisation grid)

03 = RIV
05 = TEN

06 = TEN-GE

07 = TEN-CW

08 = TEN RIV</xs:documentation>
            </xs:annotation>
          </xs:element>
          <xs:element name="GCUWagon" type="xs:boolean">
            <xs:annotation>
              <xs:documentation>Indication if wagon is operated under the
```

```
GCU                                                    contract</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <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                          base="xs:string">
                  <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                          base="xs:string">
                  <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    type    depends    on    the    manufacturer.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                          base="xs:string">
                  <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                    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
pitches                        in                        mm</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element       name="InnerWheelbase"       type="Numeric1-5">
                <xs:annotation>
                  <xs:documentation>Maximum  distance  between  two  adjacent
axles                        in                        mm</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element          ref="CouplingType"          minOccurs="0"/>
              <xs:element           name="BufferType"           minOccurs="0">
                <xs:annotation>
                  <xs:documentation> Classification of buffer. The following
values are mostly used in the sector.: A, AX, B, C, CX, L0 (130), L0 (150),
L2    (130),    L2    (150),    L4    (130),    L4    (150)</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                  <xs:restriction                           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>
                  </xs:annotation>
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element  name="ProductUNCode"  type="Numeric4-4">
                        <xs:annotation>
                          <xs:documentation>UN code of product if product
specific                    load                    table</xs:documentation>
                        </xs:annotation>
                      </xs:element>
                      <xs:element                    name="ProductRIDName">
                        <xs:annotation>
                          <xs:documentation> RID product name as written on
the                    folding                    panel</xs:documentation>
                        </xs:annotation>
                        <xs:simpleType>
                          <xs:restriction                base="xs:string">
                            <xs:maxLength                    value="256"/>
                          </xs:restriction>
                        </xs:simpleType>
                      </xs:element>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element name="LoadTableCountry" type="CountryIdentISO"
minOccurs="0"                                          maxOccurs="unbounded">
                  <xs:annotation>
                    <xs:documentation>ISO country code of countries for
additional                  load                  tables</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element     name="SpeedCategory"     type="Numeric1-5"
maxOccurs="unbounded">
                  <xs:annotation>
                    <xs:documentation>Numeric speed in load table, without
speed              empty              in              km/h</xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element      ref="LoadTableStars"      minOccurs="0">
                  <xs:annotation>
                    <xs:documentation>Number of load table stars. Currently
recognized                                                    values/codes:
1 = Authorised to run loaded in trains up to 100 km/h with a brake that does
not    meet    all    the    requirements    for    100    km/h    conditions
2 = Authorised to run loaded in trains up to 120 km/h with a brake that does
not    meet    all    the    requirements    for    120    km/h    conditions
3 = Authorised to run loaded in trains up to 120 km/h with a brake that does
not meet all the requirements for 120 km/h conditions. Wagon is fitted with
an         automatic         load-proportional         braking         system.
 </xs:documentation>
                  </xs:annotation>
                </xs:element>
                <xs:element                      name="RouteClassPayloads"
maxOccurs="unbounded">
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element                        ref="RouteClass"/>
```

```
                        <xs:element name="MaxPayload" maxOccurs="unbounded">
                          <xs:annotation>
                            <xs:documentation>Maximum payload in tonns 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"
type="DerailmentDetectionDevice"                                    minOccurs="0"/>
            <xs:element           name="BrakeBlock"            minOccurs="0">
              <xs:annotation>
                <xs:documentation>Characteristics          of          brake
blocks</xs:documentation>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element      name="BrakeBlockName"      minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Name   of   the   brake   block   type,
including         the         length         in         mm</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction                        base="xs:string">
                        <xs:maxLength                            value="256"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                  <xs:element           name="CompositeBrakeBlockRetrofitted"
type="xs:boolean"                                                   minOccurs="0">
                    <xs:annotation>
                      <xs:documentation> Indication if composite brake blocks
are      retrofitted      or      originally      equipped</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element      name="CompositeBrakeBlockInstallationDate"
type="xs:date"                                                      minOccurs="0">
                    <xs:annotation>
                      <xs:documentation>Date   of   composite   brake   block
```

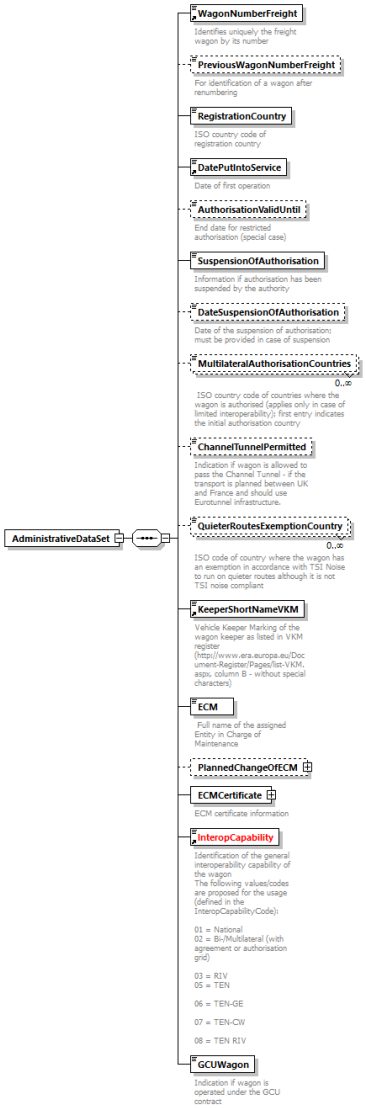
```
installation, for originally equipped wagon = date put into service</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element name="WagonTelematics" type="WagonTelematics" minOccurs="0">
              <xs:annotation>
                <xs:documentation xml:lang="en">Information about telematics devices mounted on the wagon.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="MaxLengthOfLoad" minOccurs="0">
              <xs:annotation>
                <xs:documentation> Maximum length of the load measured in mm </xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="LoadArea" minOccurs="0"/>
            <xs:element name="HeightOfLoadingPlaneUnladen" type="Numeric1-5" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Height of the loading plane when wagon is empty measured in mm</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="RemovableAccessories" minOccurs="0" maxOccurs="unbounded">
              <xs:complexType>
                <xs:sequence>
                  <xs:element ref="TypeOfRemovableAccessories">
                    <xs:annotation>
                      <xs:documentation>Specification of removable accessory. TypeOfRemovableAccessories code list is used. Values refer to UIC Leaflet 920-13:
01 = Removable stanchion
02 = Removable side flap of flat wagon
03 = Removable end flap of flat wagon
04 = Removable side rail
05 = Removable intermediate upright for securing the load
06 = Stanchion chain
07 = Removable handle and wheel for winch on car-carrying wagon
08 = Swivelling bolster (with stanchions)
09 = Coupling rod (rigid coupling)
10 = Ice bunker
11 = Ice bunker screen
12 = Ice bunker frame
13 = Trestle or bar with hooks for hanging meat
14 = Movable cross-member of wagon with low loading plane
15 = Removable support
16 = Mooring cross-member on wagon for special loads
17 = Movable floor panel on wagon for special loads
18 = Scotch
19 = Skid bar with or without shoes on car-carrying wagon
20 = Mooring strap on car-carrying wagon
21 = Beam for movable ramp on car-carrying wagon
```

```
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>
            <xs:element ref="LoadingCapacity" minOccurs="0"/>
            <xs:element ref="MaxGrossWeight">
              <xs:annotation>
                <xs:documentation>Weight of max Gross Load Weight plus the
tare weight of the equipment in kg</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="VapourReturnSystem" type="xs:boolean"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Indication if tank wagon is equipped with a
vapour return system</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element ref="FerryPermittedFlag" minOccurs="0">
              <xs:annotation>
                <xs:documentation> Indication if wagon is permitted to be used
on ferries</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element name="FerryRampAngle" minOccurs="0">
              <xs:annotation>
                <xs:documentation>Maximum allowed angle of the ferry ramp (in
grades: °)</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction base="xs:decimal">
                  <xs:totalDigits value="3"/>
                  <xs:fractionDigits value="2"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element name="TemperatureRange" minOccurs="0">
              <xs:complexType>
                <xs:sequence>
                  <xs:annotation>
```

```
                    <xs:documentation>Temperature Range</xs:documentation>
                  </xs:annotation>
                  <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                                  ref="DateLastOverhaul">
              <xs:annotation>
                <xs:documentation>Date of the last overhaul, if yet no
overhaul date of putting into service</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element                          ref="OverhaulValidityPeriod"/>
            <xs:element                             ref="PermittedTolerance"/>
            <xs:element     ref="PlannedDateNextOverhaul"     minOccurs="0"/>
            <xs:element    name="DateOfNextTankInspection"    type="xs:date"
minOccurs="0">
              <xs:annotation>
                <xs:documentation>Date of the next tank inspection, applies
only for tank wagons</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDataset/AdministrativeDataSet**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**WagonNumberFreight** **PreviousWagonNumberFreight** **RegistrationCountry** **DatePutIntoService** **AuthorisationValidUntil** **SuspensionOfAuthorisation** **DateSuspensionOfAuthorisation** **MultilateralAuthorisationCountries** **ChannelTunnelPermitted** **QuieterRoutesExemptionCountry** **KeeperShortNameVKM** **ECM** **PlannedChangeOfECM** **ECMCertificate** **InteropCapability** **GCUWagon**

source

```
<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>
```

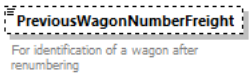
```
          <xs:documentation>ISO country code of registration country</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="DatePutIntoService">
        <xs:annotation>
          <xs:documentation>Date of first operation</xs:documentation>
        </xs:annotation>
      </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 - if the transport is planned between UK and France and should use Eurotunnel infrastructure.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="QuieterRoutesExemptionCountry" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>ISO code of country where the wagon has an exemption in accordance with TSI Noise to run on quieter routes although it is not TSI noise compliant</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="KeeperShortNameVKM">
        <xs:annotation>
          <xs:documentation>Vehicle Keeper Marking of the wagon keeper as listed in VKM register (http://www.era.europa.eu/Document-Register/Pages/list-VKM.aspx, column B - without special
```

```
characters)</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element                                                    name="ECM">
        <xs:annotation>
          <xs:documentation> Full name of the assigned Entity in Charge of
Maintenance</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                      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: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                    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"
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):

01                                =                                National
02   =   Bi-/Multilateral   (with   agreement   or   authorisation   grid)

03                                  =                                  RIV
05                                  =                                  TEN

06                                 =                                TEN-GE

07                                 =                                TEN-CW

08               =               TEN               RIV</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element             name="GCUWagon"             type="xs:boolean">
        <xs:annotation>
          <xs:documentation>Indication if wagon is operated under the GCU
contract</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDataset/AdministrativeDataSet/PreviousWagonNumberFreight**

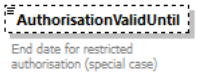
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**WagonIdent**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 12 pattern [0-9]{12}
annotation	documentation For identification of a wagon after renumbering

source	`<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>`

element **RollingStockDataset/AdministrativeDataSet/RegistrationCountry**

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

element **RollingStockDataset/AdministrativeDataSet/AuthorisationValidUntil**

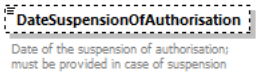
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation End date for restricted authorisation (special case)
source	`<xs:element name="AuthorisationValidUntil" type="xs:date" minOccurs="0"><xs:annotation><xs:documentation>End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

element **RollingStockDataset/AdministrativeDataSet/SuspensionOfAuthorisation**

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

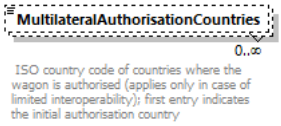
```
    <xs:documentation>Information if authorisation has been suspended by the authority</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **RollingStockDataset/AdministrativeDataSet/DateSuspensionOfAuthorisation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date of the suspension of authorisation; must be provided in case of suspension

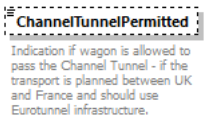
source	`<xs:element name="DateSuspensionOfAuthorisation" type="xs:date" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Date of the suspension of authorisation; must be provided in case of suspension</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/MultilateralAuthorisationCountries**

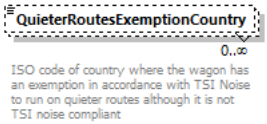
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CountryIdentISO**
properties	minOcc 0 maxOcc unbounded content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO country code of countries where the wagon is authorised (applies only in case of limited interoperability); first entry indicates the initial authorisation country

source	`<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>`

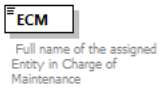
element **RollingStockDataset/AdministrativeDataSet/ChannelTunnelPermitted**

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

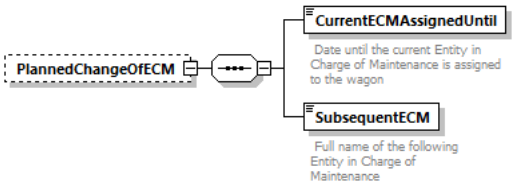
element **RollingStockDataset/AdministrativeDataSet/QuieterRoutesExemptionCountry**

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

element **RollingStockDataset/AdministrativeDataSet/ECM**

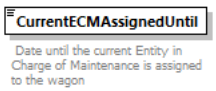
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Full name of the assigned Entity in Charge of Maintenance
source	<xs:element name="ECM"> <xs:annotation> <xs:documentation>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

element **RollingStockDataset/AdministrativeDataSet/PlannedChangeOfECM**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**CurrentECMAssignedUntil SubsequentECM**
source	<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">

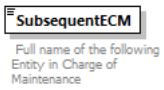
```
            <xs:maxLength                                    value="256"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDataset/AdministrativeDataSet/PlannedChangeOfECM/CurrentECMAssignedUntil**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:date**
properties	content simple
annotation	documentation Date until the current Entity in Charge of Maintenance is assigned to the wagon

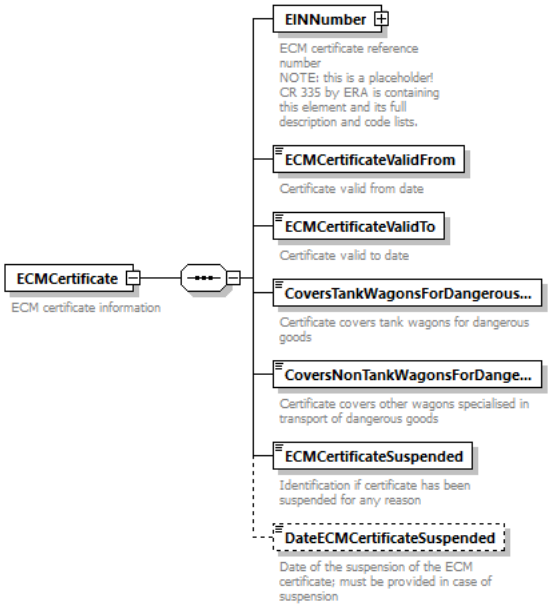
source	`<xs:element name="CurrentECMAssignedUntil" type="xs:date">`
	`  <xs:annotation>`
	`  <xs:documentation> Date until the current Entity in Charge of Maintenance is assigned to the wagon</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/AdministrativeDataSet/PlannedChangeOfECM/SubsequentECM**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Full name of the following Entity in Charge of Maintenance

source	`<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>`

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate**

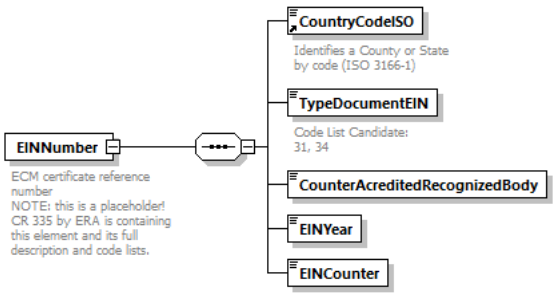
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	EINNumber ECMCertificateValidFrom ECMCertificateValidTo CoversTankWagonsForDangerousGoods CoversNonTankWagonsForDangerousGoods ECMCertificateSuspended DateECMCertificateSuspended
annotation	documentation ECM certificate information

source

```
<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,                                                          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                           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"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date  of  the  suspension  of  the  ECM  certificate;
must    be    provided    in    case    of    suspension</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

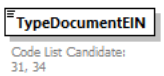
element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**CountryCodeISO TypeDocumentEIN CounterAcreditedRecognizedBody EINYear EINCounter**
annotation	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.

source

```
<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                                  base="xs:integer">
            <xs:minInclusive                                     value="0"/>
            <xs:maxInclusive                                  value="9999"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric2-2**

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

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

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

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

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

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

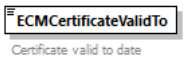
diagram	EINCounter
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple

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

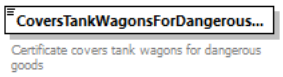
element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/ECMCertificateValidFrom**

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

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

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

element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/CoversTankWagonsForDangerousGoods**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	content simple
annotation	documentation Certificate covers tank wagons for dangerous goods
source	<xs:element name="CoversTankWagonsForDangerousGoods" type="xs:boolean"> <xs:annotation> <xs:documentation>Certificate covers tank wagons for dangerous goods</xs:documentation> </xs:annotation> </xs:element>

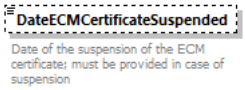
element **RollingStockDataset/AdministrativeDataSet/ECMCertificate/CoversNonTankWagonsForDangerousGoods**

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

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

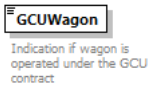
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	content simple
annotation	documentation Identification if certificate has been suspended for any reason
source	<xs:element name="ECMCertificateSuspended" type="xs:boolean"> <xs:annotation> <xs:documentation>Identification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

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date of the suspension of the ECM certificate; must be provided in case of suspension

source	`<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>`

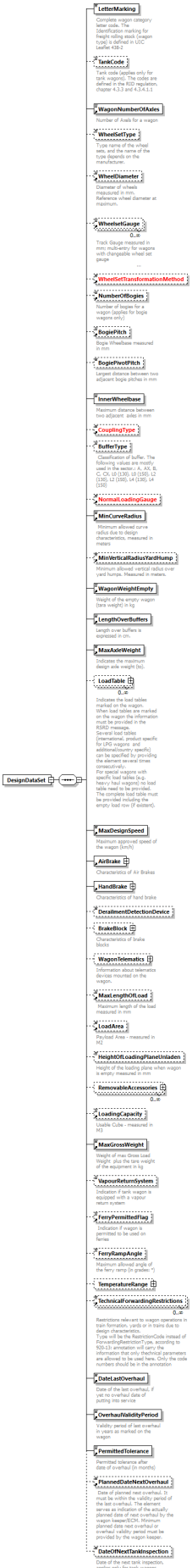
element **RollingStockDataset/AdministrativeDataSet/GCUWagon**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	content simple
annotation	documentation Indication if wagon is operated under the GCU contract

source	`<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>`

element **RollingStockDataset/DesignDataSet**

diagram


LetterMarking
Complete wagon category letter code. The identification marking for freight rolling stock (wagon type) is defined in UIC Leaflet 438-2
TankCode
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
WagonNumberOfAxles
Number of Axels for a wagon
WheelSetType
Type name of the wheel sets, and the name of the type depends on the manufacturer.
WheelDiameter
Diameter of wheels measured in mm. Reference wheel diameter at maximum.
WheelsetGauge
0..∞
Track Gauge measured in mm; multi-entry for wagons with changeable wheel set gauge
WheelSetTransformationMethod
NumberOfBogies
Number of bogies for a wagon (applies for bogie wagons only)
BogiePitch
Bogie Wheelbase measured in mm
BogiePivotPitch
Largest distance between two adjacent bogie pitches in mm
InnerWheelbase
Maximum distance between two adjacent axles in mm
CouplingType
BufferType
Classification of buffer. The following values are mostly used in the sector: A, AX, B, C, CX, 10 (130), 10 (150), 12 (130), 12 (150), 14 (130), 14 (150)
NormalLoadingGauge
MinCurveRadius
Minimum allowed curve radius due to design characteristics, measured in meters
MinVerticalRadiusYardHump
Minimum allowed vertical radius over yard humps. Measured in meters.
WagonWeightEmpty
Weight of the empty wagon (tara weight) in kg
LengthOverBuffers
Length over buffers is expressed in cm.
MaxAxleWeight
Indicates the maximum design axle weight (to).
LoadTable
0..∞
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).
DesignDataSet
MaxDesignSpeed
Maximum approved speed of the wagon (km/h)
AirBrake
Characteristics of Air Brakes
HandBrake
Characteristics of hand brake
DerailmentDetectionDevice
BrakeBlock
Characteristics of brake blocks
WagonTelematics
Information about telematics devices mounted on the wagon.
MaxLengthOfLoad
Maximum length of the load measured in mm
LoadArea
Payload Area - measured in M2
HeightOfLoadingPlaneUnladen
Height of the loading plane when wagon is empty measured in mm
RemovableAccessories
0..∞
LoadingCapacity
Usable Cube - measured in M3
MaxGrossWeight
Weight of mass Gross Load Weight plus the tare weight of the equipment in kg
VapourReturnSystem
Indication if tank wagon is equipped with a vapour return system
FerryPermittedFlag
Indication if wagon is permitted to be used on ferries
FerryRampAngle
Maximum allowed angle of the ferry ramp (in grades: °)
TemperatureRange
TechnicalForwardingRestrictions
0..∞
Restrictions relevant to wagon operations in train formation, yards or in trains due to design characteristics. Type will be the RestrictionCode instead of ForwardingRestriction?type, according to 920-13; annotation will carry the information that only technical parameters are allowed to be used here. Only the code numbers should be in the annotation
DateLastOverhaul
Date of the last overhaul, if yet no overhaul date of putting into service
OverhaulValidityPeriod
Validity period of last overhaul in years as marked on the wagon
PermittedTolerance
Permitted tolerance after date of overhaul (in months)
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 of overhaul or overhaul validity period must be provided by the wagon keeper.
DateOfNextTankInspection
Date of the next tank inspection, applies only for tank wagons

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LetterMarking TankCode WagonNumberOfAxles WheelSetType WheelDiameter WheelsetGauge WheelSetTransformationMethod NumberOfBogies BogiePitch BogiePivotPitch InnerWheelbase CouplingType BufferType NormalLoadingGauge MinCurveRadius MinVerticalRadiusYardHump WagonWeightEmpty LengthOverBuffers MaxAxleWeight LoadTable MaxDesignSpeed AirBrake HandBrake DerailmentDetectionDevice BrakeBlock WagonTelematics MaxLengthOfLoad LoadArea HeightOfLoadingPlaneUnladen RemovableAccessories LoadingCapacity MaxGrossWeight VapourReturnSystem FerryPermittedFlag FerryRampAngle TemperatureRange TechnicalForwardingRestrictions DateLastOverhaul OverhaulValidityPeriod PermittedTolerance PlannedDateNextOverhaul DateOfNextTankInspection
source	<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 base="xs:string"> <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 base="xs:string"> <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 type depends on the manufacturer.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <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 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
pitches in mm</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="InnerWheelbase" type="Numeric1-5">
        <xs:annotation>
          <xs:documentation>Maximum distance between two adjacent axles in
mm</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="CouplingType" minOccurs="0"/>
      <xs:element name="BufferType" minOccurs="0">
        <xs:annotation>
          <xs:documentation> Classification of buffer. The following values
are mostly used in the sector.: A, AX, B, C, CX, L0 (130), L0 (150), L2 (130),
L2 (150), L4 (130), L4 (150)</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction 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>
              </xs:annotation>
              <xs:complexType>
                <xs:sequence>
                  <xs:element     name="ProductUNCode"     type="Numeric4-4">
                    <xs:annotation>
                      <xs:documentation>UN  code  of  product  if  product
specific                  load                  table</xs:documentation>
                    </xs:annotation>
                  </xs:element>
                  <xs:element                          name="ProductRIDName">
                    <xs:annotation>
                      <xs:documentation> RID product name as written on the
folding                                                panel</xs:documentation>
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction                    base="xs:string">
                        <xs:maxLength                        value="256"/>
                      </xs:restriction>
                    </xs:simpleType>
                  </xs:element>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
            <xs:element    name="LoadTableCountry"    type="CountryIdentISO"
minOccurs="0"                                          maxOccurs="unbounded">
              <xs:annotation>
                <xs:documentation>ISO  country  code  of  countries  for
additional                  load                  tables</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element        name="SpeedCategory"        type="Numeric1-5"
maxOccurs="unbounded">
              <xs:annotation>
                <xs:documentation>Numeric speed in load table, without speed
empty                         in                        km/h</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element          ref="LoadTableStars"          minOccurs="0">
              <xs:annotation>
                <xs:documentation>Number  of  load  table  stars.  Currently
recognized                                                    values/codes:
1 = Authorised to run loaded in trains up to 100 km/h with a brake that does
not    meet    all    the    requirements    for    100    km/h    conditions
2 = Authorised to run loaded in trains up to 120 km/h with a brake that does
not    meet    all    the    requirements    for    120    km/h    conditions
3 = Authorised to run loaded in trains up to 120 km/h with a brake that does
not meet all the requirements for 120 km/h conditions. Wagon is fitted with
an        automatic        load-proportional        braking        system.
 </xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element   name="RouteClassPayloads"   maxOccurs="unbounded">
              <xs:complexType>
```

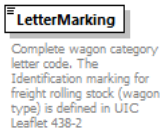
```
                <xs:sequence>
                  <xs:element                                ref="RouteClass"/>
                  <xs:element    name="MaxPayload"    maxOccurs="unbounded">
                    <xs:annotation>
                      <xs:documentation>Maximum payload in tonns of line
category; 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"
type="DerailmentDetectionDevice"                                 minOccurs="0"/>
      <xs:element              name="BrakeBlock"              minOccurs="0">
        <xs:annotation>
          <xs:documentation>Characteristics              of              brake
blocks</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element         name="BrakeBlockName"         minOccurs="0">
              <xs:annotation>
                <xs:documentation>Name of the brake block type, including the
length                        in                          mm</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                             base="xs:string">
                  <xs:maxLength                                 value="256"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element                name="CompositeBrakeBlockRetrofitted"
type="xs:boolean"                                                minOccurs="0">
              <xs:annotation>
                <xs:documentation> Indication if composite brake blocks are
retrofitted         or         originally         equipped</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element           name="CompositeBrakeBlockInstallationDate"
type="xs:date"                                                   minOccurs="0">
              <xs:annotation>
```

```
                <xs:documentation>Date of composite brake block installation,
for originally equipped wagon = date put into service</xs:documentation>
              </xs:annotation>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element       name="WagonTelematics"       type="WagonTelematics"
minOccurs="0">
        <xs:annotation>
          <xs:documentation   xml:lang="en">Information   about   telematics
devices       mounted       on       the       wagon.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element           ref="MaxLengthOfLoad"           minOccurs="0">
        <xs:annotation>
          <xs:documentation>  Maximum  length  of  the  load  measured  in  mm
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element              ref="LoadArea"              minOccurs="0"/>
      <xs:element    name="HeightOfLoadingPlaneUnladen"    type="Numeric1-5"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Height of the loading plane when wagon is empty
measured                    in                    mm</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element         name="RemovableAccessories"         minOccurs="0"
maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element                    ref="TypeOfRemovableAccessories">
              <xs:annotation>
                <xs:documentation>Specification   of   removable   accessory.
TypeOfRemovableAccessories code list is used. Values refer to UIC Leaflet 920-
13:
01                  =                  Removable                  stanchion
02      =      Removable      side      flap      of      flat      wagon
03      =      Removable      end      flap      of      flat      wagon
04              =              Removable              side              rail
05   =   Removable   intermediate   upright   for   securing   the   load
06                  =                  Stanchion                  chain
07  =  Removable  handle  and  wheel  for  winch  on  car-carrying  wagon
08        =        Swivelling        bolster        (with        stanchions)
09          =          Coupling          rod          (rigid          coupling)
10                    =                    Ice                    bunker
11              =              Ice              bunker              screen
12              =              Ice              bunker              frame
13    =    Trestle    or    bar    with    hooks    for    hanging    meat
14   =   Movable   cross-member   of   wagon   with   low   loading   plane
15                  =                  Removable                  support
16    =    Mooring    cross-member    on    wagon    for    special    loads
17    =    Movable    floor    panel    on    wagon    for    special    loads
18                                =                                Scotch
19   =   Skid   bar   with   or   without   shoes   on   car-carrying   wagon
20       =       Mooring       strap       on       car-carrying       wagon
21    =    Beam    for    movable    ramp    on    car-carrying    wagon
```

```
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>
    <xs:element ref="LoadingCapacity" minOccurs="0"/>
    <xs:element ref="MaxGrossWeight">
      <xs:annotation>
        <xs:documentation>Weight of max Gross Load Weight plus the tare
weight of the equipment in kg</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="VapourReturnSystem" type="xs:boolean" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Indication if tank wagon is equipped with a vapour
return system</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element ref="FerryPermittedFlag" minOccurs="0">
      <xs:annotation>
        <xs:documentation> Indication if wagon is permitted to be used on
ferries</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="FerryRampAngle" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Maximum allowed angle of the ferry ramp (in
grades: °)</xs:documentation>
      </xs:annotation>
      <xs:simpleType>
        <xs:restriction base="xs:decimal">
          <xs:totalDigits value="3"/>
          <xs:fractionDigits value="2"/>
        </xs:restriction>
      </xs:simpleType>
    </xs:element>
    <xs:element name="TemperatureRange" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:annotation>
            <xs:documentation>Temperature Range</xs:documentation>
          </xs:annotation>
```

```
            <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                                        ref="DateLastOverhaul">
        <xs:annotation>
          <xs:documentation>Date of the last overhaul, if yet no overhaul date
of            putting            into            service</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element                                  ref="OverhaulValidityPeriod"/>
      <xs:element                                     ref="PermittedTolerance"/>
      <xs:element       ref="PlannedDateNextOverhaul"       minOccurs="0"/>
      <xs:element       name="DateOfNextTankInspection"       type="xs:date"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date of the next tank inspection, applies only
for                    tank                    wagons</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

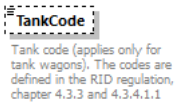
element **RollingStockDataset/DesignDataSet/LetterMarking**

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

source	`<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>
```

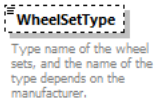
element **RollingStockDataset/DesignDataSet/TankCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation 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

```
<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                                    base="xs:string">
      <xs:maxLength                                         value="20"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/WheelSetType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Type name of the wheel sets, and the name of the type depends on the manufacturer.

source

```
<xs:element                    name="WheelSetType"                minOccurs="0">
  <xs:annotation>
```

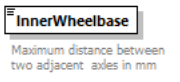
```
    <xs:documentation>Type name of the wheel sets, and the name of the type
depends on the manufacturer.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:maxLength value="256"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **RollingStockDataset/DesignDataSet/BogiePivotPitch**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric1-5**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Largest distance between two adjacent bogie pitches in mm

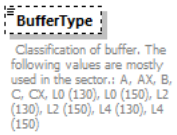
source	`<xs:element name="BogiePivotPitch" type="Numeric1-5" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Largest distance between two adjacent bogie pitches in mm</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet/InnerWheelbase**

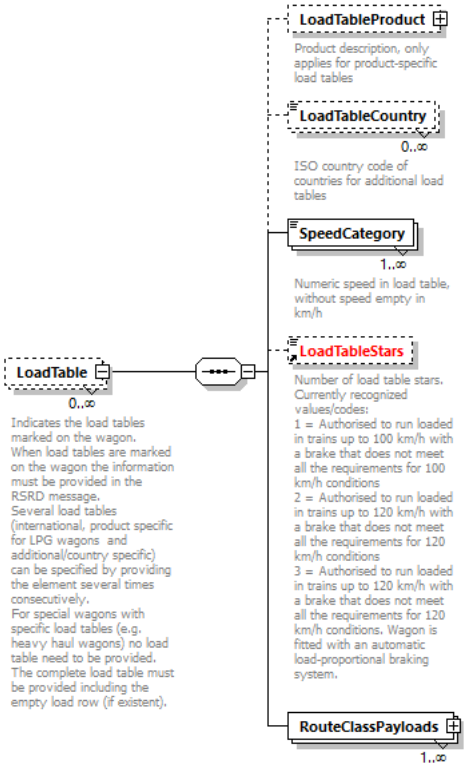
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric1-5**
properties	content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Maximum distance between two adjacent axles in mm

source	`<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>`

element **RollingStockDataset/DesignDataSet/BufferType**

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

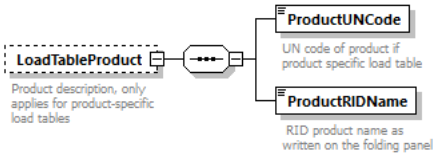
element **RollingStockDataset/DesignDataSet/LoadTable**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc unbounded content complex
children	LoadTableProduct LoadTableCountry SpeedCategory **LoadTableStars** RouteClassPayloads
annotation	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).
source	<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 specific load
table</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element                                  name="ProductRIDName">
              <xs:annotation>
                <xs:documentation> RID product name as written on the folding
panel</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                          base="xs:string">
                  <xs:maxLength                              value="256"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element       name="LoadTableCountry"       type="CountryIdentISO"
minOccurs="0"                                        maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>ISO country code of countries for additional load
tables</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element           name="SpeedCategory"           type="Numeric1-5"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Numeric speed in load table, without speed empty
in                                                   km/h</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element            ref="LoadTableStars"            minOccurs="0">
        <xs:annotation>
          <xs:documentation>Number of load table stars. Currently recognized
values/codes:
1 = Authorised to run loaded in trains up to 100 km/h with a brake that does
not    meet    all    the    requirements    for    100    km/h    conditions
2 = Authorised to run loaded in trains up to 120 km/h with a brake that does
not    meet    all    the    requirements    for    120    km/h    conditions
3 = Authorised to run loaded in trains up to 120 km/h with a brake that does
not meet all the requirements for 120 km/h conditions. Wagon is fitted with
an         automatic         load-proportional         braking         system.
 </xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element      name="RouteClassPayloads"      maxOccurs="unbounded">
        <xs:complexType>
          <xs:sequence>
            <xs:element                                  ref="RouteClass"/>
            <xs:element       name="MaxPayload"       maxOccurs="unbounded">
              <xs:annotation>
                <xs:documentation>Maximum payload in tonns 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>
```

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**ProductUNCode** **ProductRIDName**
annotation	documentation Product description, only applies for product-specific load tables

source

```
<xs:element              name="LoadTableProduct"              minOccurs="0">
  <xs:annotation>
    <xs:documentation>Product description, only applies for product-specific
load                                                    tables</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element          name="ProductUNCode"          type="Numeric4-4">
        <xs:annotation>
          <xs:documentation>UN code of product if product specific load
table</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element                                        name="ProductRIDName">
        <xs:annotation>
          <xs:documentation> RID product name as written on the folding
panel</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                base="xs:string">
            <xs:maxLength                                    value="256"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
```

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

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric4-4**
properties	content simple
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
annotation	documentation UN code of product if product specific load table

source	`<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>`

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation RID product name as written on the folding panel

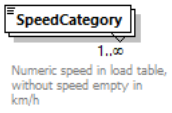
source	`<xs:element name="ProductRIDName">`
	`  <xs:annotation>`
	`  <xs:documentation> RID product name as written on the folding panel</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="256"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CountryIdentISO**
properties	minOcc 0 maxOcc unbounded content simple
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO country code of countries for additional load tables

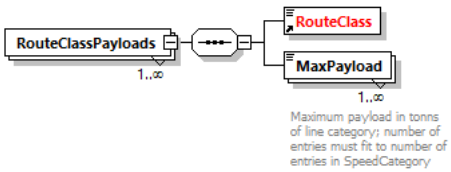
source	`<xs:element name="LoadTableCountry" type="CountryIdentISO" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>ISO country code of countries for additional load tables</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric1-5**
properties	minOcc 1 maxOcc unbounded content simple
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation Numeric speed in load table, without speed empty in km/h

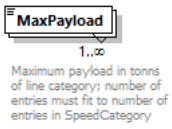
source	`<xs:element name="SpeedCategory" type="Numeric1-5" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>Numeric speed in load table, without speed empty in km/h</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 1 maxOcc unbounded content complex
children	**RouteClass** **MaxPayload**

source	`<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 tonns 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>`

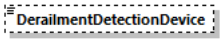
element **RollingStockDataset/DesignDataSet/LoadTable/RouteClassPayloads/MaxPayload**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:decimal**
properties	minOcc 1 maxOcc unbounded content simple
facets	Kind Value Annotation totalDigits 4 fractionDigits 1
annotation	documentation Maximum payload in tonns of line category; number of entries must fit to number of entries in SpeedCategory

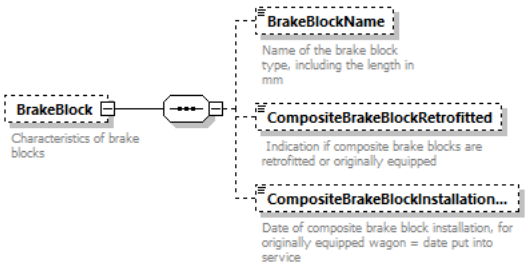
source	`<xs:element name="MaxPayload" maxOccurs="unbounded">`
	`<xs:annotation>`
	`<xs:documentation>Maximum payload in tonns of line category; number of entries must fit to number of entries in SpeedCategory</xs:documentation>`
	`</xs:annotation>`

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

element **RollingStockDataset/DesignDataSet/DerailmentDetectionDevice**

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

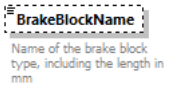
element **RollingStockDataset/DesignDataSet/BrakeBlock**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**BrakeBlockName** **CompositeBrakeBlockRetrofitted** **CompositeBrakeBlockInstallationDate**
annotation	documentation Characteristics of brake blocks

source	`<xs:element name="BrakeBlock" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>Characteristics of brake blocks</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element name="BrakeBlockName" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>Name of the brake block type, including the length in mm</xs:documentation>`

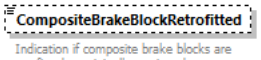
```
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                    base="xs:string">
            <xs:maxLength                                        value="256"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element   name="CompositeBrakeBlockRetrofitted"   type="xs:boolean"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>  Indication  if  composite  brake  blocks  are
retrofitted        or        originally        equipped</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element  name="CompositeBrakeBlockInstallationDate"  type="xs:date"
minOccurs="0">
        <xs:annotation>
          <xs:documentation>Date  of  composite  brake  block  installation,  for
originally  equipped  wagon  =  date  put  into  service</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 256
annotation	documentation Name of the brake block type, including the length in mm

```
<xs:element                name="BrakeBlockName"                minOccurs="0">
  <xs:annotation>
    <xs:documentation>Name of the brake block type, including the length in
mm</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                    base="xs:string">
      <xs:maxLength                                        value="256"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication if composite brake blocks are retrofitted or originally equipped

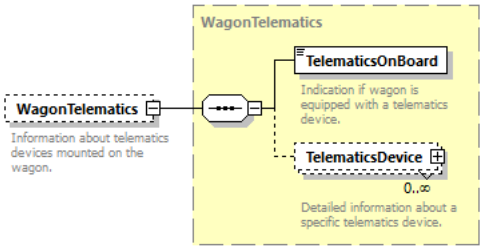
source	`<xs:element name="CompositeBrakeBlockRetrofitted" type="xs:boolean" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation> Indication if composite brake blocks are retrofitted or originally equipped</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

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

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

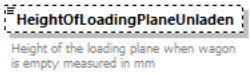
source	`<xs:element name="CompositeBrakeBlockInstallationDate" type="xs:date" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>Date of composite brake block installation, for originally equipped wagon = date put into service</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet/WagonTelematics**

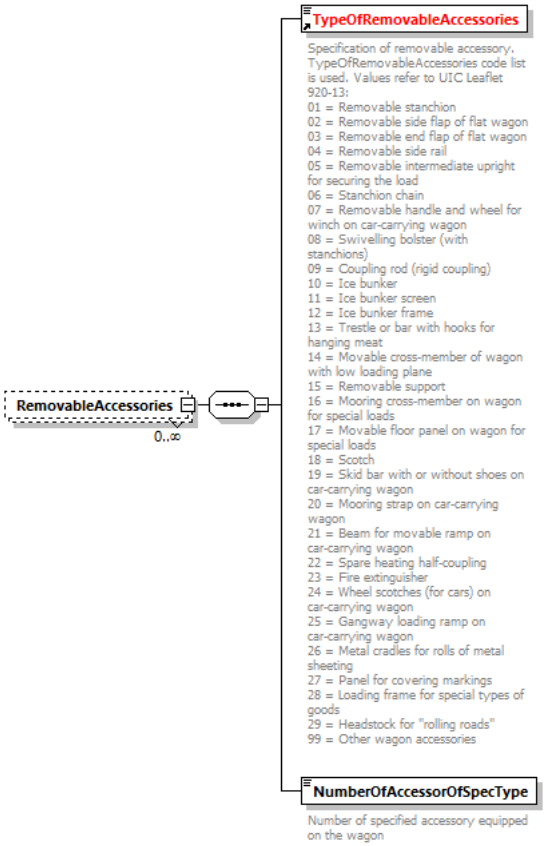
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**WagonTelematics**

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

element **RollingStockDataset/DesignDataSet/HeightOfLoadingPlaneUnladen**

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

element **RollingStockDataset/DesignDataSet/RemovableAccessories**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc unbounded content complex
children	**TypeOfRemovableAccessories** **NumberOfAccessorOfSpecType**

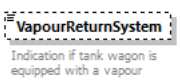
source	`<xs:element name="RemovableAccessories" minOccurs="0" maxOccurs="unbounded">`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element ref="TypeOfRemovableAccessories">`
	`<xs:annotation>`
	`<xs:documentation>`Specification of removable accessory. TypeOfRemovableAccessories code list is used. Values 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="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>
```

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

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric2-2**
properties	content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
annotation	documentation Number of specified accessory equipped on the wagon
source	`<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>`

element **RollingStockDataset/DesignDataSet/VapourReturnSystem**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication if tank wagon is equipped with a vapour return system

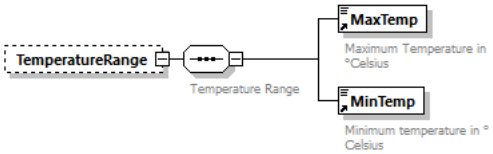
source	`<xs:element name="VapourReturnSystem" type="xs:boolean" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Indication if tank wagon is equipped with a vapour return system</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet/FerryRampAngle**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:decimal**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation totalDigits 3 fractionDigits 2
annotation	documentation Maximum allowed angle of the ferry ramp (in grades: °)

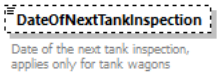
source	`<xs:element name="FerryRampAngle" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Maximum allowed angle of the ferry ramp (in grades: °)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:totalDigits value="3"/>`
	`  <xs:fractionDigits value="2"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **RollingStockDataset/DesignDataSet/TemperatureRange**

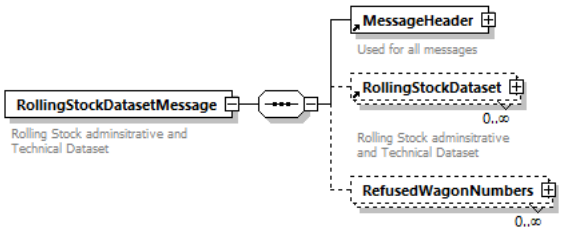
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1

	content complex
children	**MaxTemp** **MinTemp**
source	`<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>`

element **RollingStockDataset/DesignDataSet/DateOfNextTankInspection**

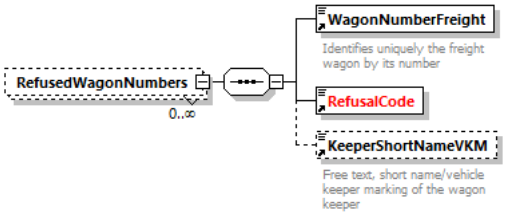
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:date**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Date of the next tank inspection, applies only for tank wagons
source	`<xs:element name="DateOfNextTankInspection" type="xs:date" minOccurs="0"><xs:annotation>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

element **RollingStockDatasetMessage**

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

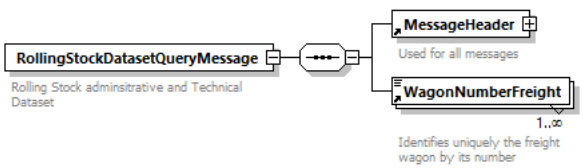
```
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                          ref="MessageHeader"/>
      <xs:element          ref="RollingStockDataset"           minOccurs="0"
maxOccurs="unbounded"/>
      <xs:element          name="RefusedWagonNumbers"          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>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **RollingStockDatasetMessage/RefusedWagonNumbers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc unbounded content complex
children	**WagonNumberFreight RefusalCode KeeperShortNameVKM**

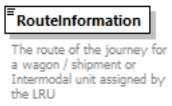
source	`<xs:element name="RefusedWagonNumbers" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="WagonNumberFreight"/>`
	`  <xs:element ref="RefusalCode"/>`
	`  <xs:element ref="KeeperShortNameVKM" minOccurs="0"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **RollingStockDatasetQueryMessage**

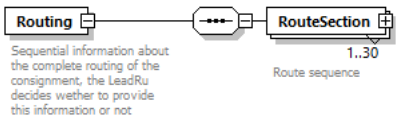
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

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

element **RouteInformation**

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

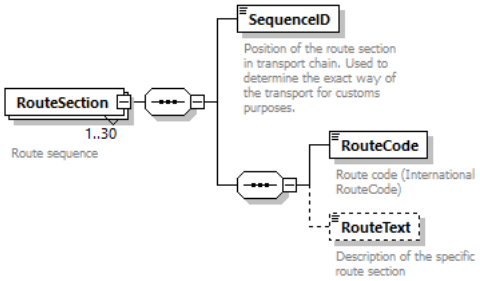
element **Routing**

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

	Sequential information about the complete routing of the consignment, the LeadRu decides wether to provide this information or not
source	

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

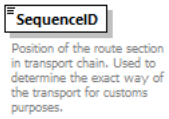
element **Routing/RouteSection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 1 maxOcc 30 content complex
children	**SequenceID RouteCode RouteText**
annotation	documentation Route sequence

source	`<xs:element name="RouteSection" maxOccurs="30">`
	`<xs:annotation>`
	`<xs:documentation>Route sequence</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element name="SequenceID" type="xs:int">`
	`<xs:annotation>`
	`<xs:documentation>Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`
	`<xs:sequence>`
	`<xs:element name="RouteCode">`
	`<xs:annotation>`
	`<xs:documentation>Route code (International RouteCode)</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="xs:string">`
	`<xs:length value="5"/>`
	`<xs:pattern value="\d*[1-9]\d*0"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`
	`<xs:element name="RouteText" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>Description of the specific route section</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="xs:string">`
	`<xs:minLength value="1"/>`
	`<xs:maxLength value="80"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`
	`</xs:sequence>`

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

element **Routing/RouteSection/SequenceID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:int**
properties	content simple
annotation	documentation Position of the route section in transport chain. Used to determine the exact way of the transport for customs purposes.

source	`<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>`

element **Routing/RouteSection/RouteCode**

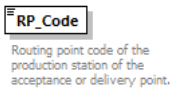
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation length 5 pattern \d*[1-9]\d*0
annotation	documentation Route code (International RouteCode)

source	`<xs:element name="RouteCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Route code (International RouteCode)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:length value="5"/>`
	`  <xs:pattern value="\d*[1-9]\d*0"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

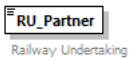
element **Routing/RouteSection/RouteText**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 80
annotation	documentation Description of the specific route section
source	`<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>`

element **RP_Code**

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

element **RU_Partner**

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

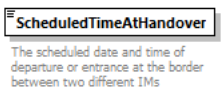
source	`<xs:element name="RU_Partner" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Railway Undertaking</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ScheduledDateTimeAtTransfer**

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

source	`<xs:element name="ScheduledDateTimeAtTransfer" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The scheduled date and time of arrival or exit at the border between two different IMs</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **ScheduledTimeAtHandover**

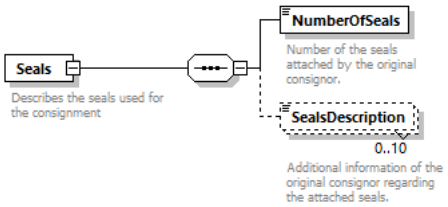
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**

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

element **ScheduledTimeAtLocation**

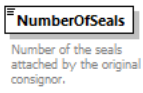
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	element **ExceptionPoint**
annotation	documentation Scheduled Date and Time at a location related to the status of the train or wagon at the given location
source	<xs:element name="ScheduledTimeAtLocation" 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>

element **Seals**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**NumberOfSeals** **SealsDescription**
used by	elements **ITU_Details** **Wagons/WagonDetails**
annotation	documentation Describes the seals used for the consignment
source	<xs:element name="Seals"> <xs:annotation> <xs:documentation>Describes the seals used for the consignment</xs:documentation>

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

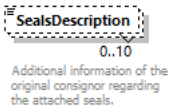
element **Seals/NumberOfSeals**

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

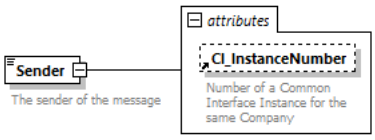
source	`<xs:element name="NumberOfSeals">`
	`  <xs:annotation>`
	`  <xs:documentation>Number of the seals attached by the original consignor.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:totalDigits value="2"/>`
	`  </xs:restriction>`

```
  </xs:simpleType>
</xs:element>
```

element **Seals/SealsDescription**

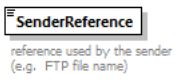
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 10 content simple
facets	Kind Value Annotation minLength 1 maxLength 10
annotation	documentation Additional information of the original consignor regarding the attached seals.
source	<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>

element **Sender**

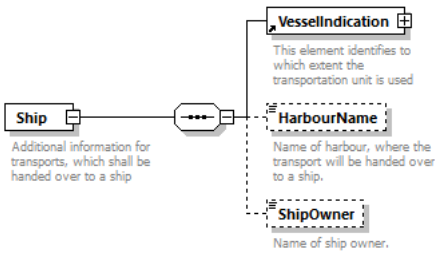
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **CompanyCode**
properties	content complex
used by	element **MessageHeader**
facets	Kind Value Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
attributes	Name Type Use Default Fixed Annotation CI_InstanceNumber **Numeric2-2** documentation Number of a Common Interface

	Instance for the same Company
annotation	documentation The sender of the message
source	<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>

element **SenderReference**

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

element **Ship**

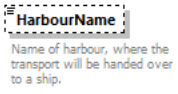
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex

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

```
<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                                  base="xs:string">
            <xs:minLength                                        value="1"/>
            <xs:maxLength                                      value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element              name="ShipOwner"              minOccurs="0">
        <xs:annotation>
          <xs:documentation>Name     of     ship     owner.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                  base="xs:string">
            <xs:minLength                                        value="1"/>
            <xs:maxLength                                      value="35"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

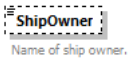
element **Ship/HarbourName**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Name of harbour, where the transport will be handed over to a ship.

source

```
<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                                                 base="xs:string">
      <xs:minLength                                                       value="1"/>
      <xs:maxLength                                                      value="35"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

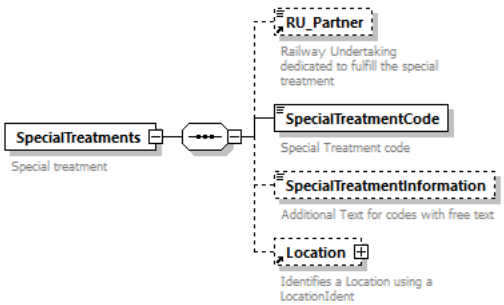
element **Ship/ShipOwner**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 35
annotation	documentation Name of ship owner.

source

```
<xs:element                    name="ShipOwner"                    minOccurs="0">
  <xs:annotation>
    <xs:documentation>Name      of      ship      owner.</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>
```

element **SpecialTreatments**

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

properties	content complex
children	RU_Partner SpecialTreatmentCode SpecialTreatmentInformation Location
used by	elements ConsignmentOrderMessage/COMS/COM WIMO_Dataset/ConsignmentLevelData
annotation	documentation Special treatment

source

```
<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                                      base="xs:string">
            <xs:length                                           value="2"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element      name="SpecialTreatmentInformation"      minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional    Text    for    codes    with    free
text</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                      base="xs:string">
            <xs:minLength                                        value="1"/>
            <xs:maxLength                                      value="40"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element              ref="Location"              minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **SpecialTreatments/SpecialTreatmentCode**

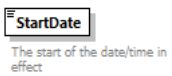
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation

	length 2
annotation	documentation Special Treatment code
source	<xs:element name="SpecialTreatmentCode"> <xs:annotation> <xs:documentation>Special Treatment code</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:length value="2"/> </xs:restriction> </xs:simpleType> </xs:element>

element **SpecialTreatments/SpecialTreatmentInformation**

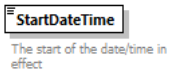
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 40
annotation	documentation Additional Text for codes with free text
source	<xs:element name="SpecialTreatmentInformation" minOccurs="0"> <xs:annotation> <xs:documentation>Additional Text for codes with free text</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="40"/> </xs:restriction> </xs:simpleType> </xs:element>

element **StartDate**

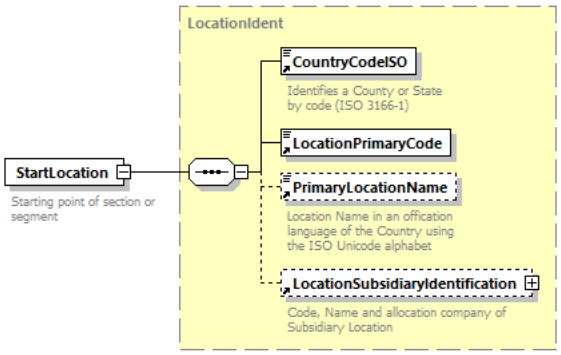
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:date**
properties	content simple
used by	complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType** **ValidityPeriod**

annotation	documentation The start of the date/time in effect
source	<xs:element name="StartDate" type="xs:date"> <xs:annotation> <xs:documentation>The start of the date/time in effect</xs:documentation> </xs:annotation> </xs:element>

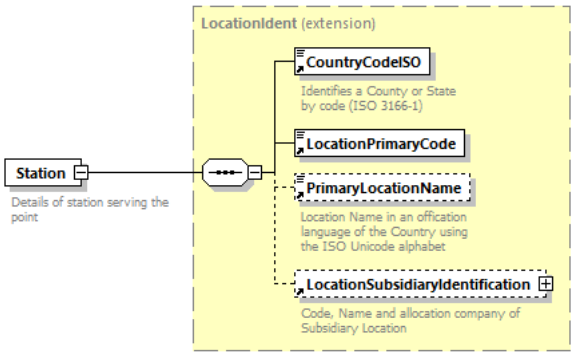
element **StartDateTime**

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

element **StartLocation**

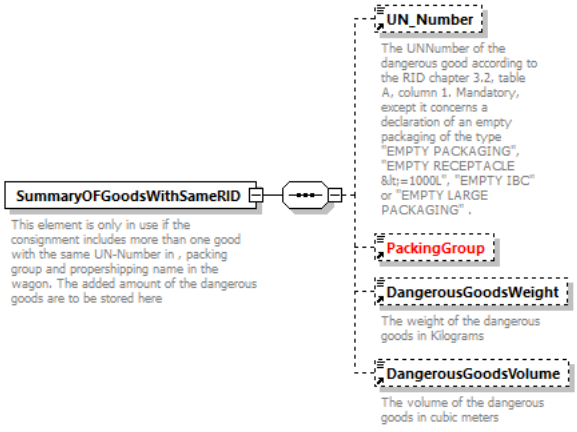
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Starting point of section or segment
source	<xs:element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

element **Station**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
used by	elements **ConsignmentOrderMessage/COMS/COM/AcceptancePoint** **ConsignmentOrderMessage/COMS/COM/DeliveryPoint**
annotation	documentation Details of station serving the point

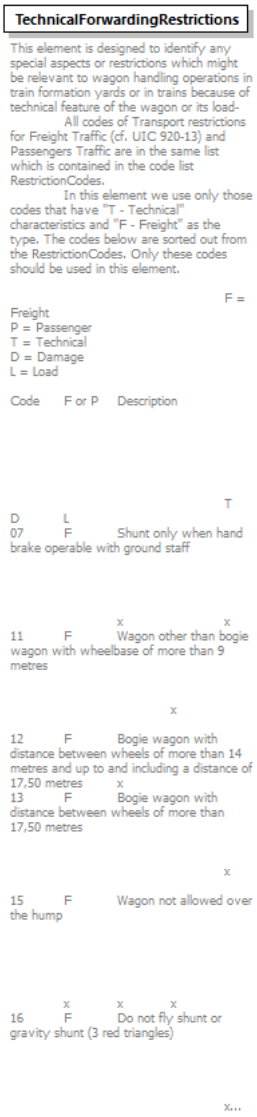
source	`<xs:element name="Station">`
	`<xs:annotation>`
	`<xs:documentation>Details of station serving the point</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:complexContent>`
	`<xs:extension base="LocationIdent"/>`
	`</xs:complexContent>`
	`</xs:complexType>`
	`</xs:element>`

element **SummaryOFGoodsWithSameRID**

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

children	**UN_Number PackingGroup DangerousGoodsWeight DangerousGoodsVolume**
used by	elements **ITU RollingRoadUnit Wagons**
annotation	documentation This element is only in use if the consignment includes more than one good with the same UN-Number in , packing group and propershipping name in the wagon. The added amount of the dangerous goods are to be stored here
source	<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 propershipping name in the wagon. The added amount of the dangerous goods are to be stored here</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="UN_Number" minOccurs="0"/> <xs:element ref="PackingGroup" minOccurs="0"/> <xs:element ref="DangerousGoodsWeight" minOccurs="0"> <xs:annotation> <xs:documentation>The weight of the dangerous goods in Kilograms</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="DangerousGoodsVolume" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **TechnicalForwardingRestrictions**

diagram	 This element is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load- All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list which is contained in the code list RestrictionCodes. In this element we use only those codes that have "T - Technical" characteristics and "F - Freight" as the type. The codes below are sorted out from the RestrictionCodes. Only these codes should be used in this element. F = Freight P = Passenger T = Technical D = Damage L = Load Code F or P Description T D L 07 F Shunt only when hand brake operable with ground staff x x 11 F Wagon other than bogie wagon with wheelbase of more than 9 metres x 12 F Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres x 13 F Bogie wagon with distance between wheels of more than 17,50 metres x 15 F Wagon not allowed over the hump x x x 16 F Do not fly shunt or gravity shunt (3 red triangles) x...
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**RestrictionCodes**
used by	element **RollingStockDataset/DesignDataSet**
annotation	documentation This element is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load- All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list which is contained in the code list RestrictionCodes. In this element we use only those codes that have "T - Technical" characteristics and "F - Freight" as the type. The codes below are sorted out from the RestrictionCodes. Only these codes should be used in this element. F = Freight P = Passenger T = Technical D = Damage L = Load Code F or P Description T D L

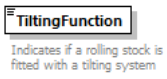
	07 F Shunt only when hand brake operable with ground staff x x 11 F Wagon other than bogie wagon with wheelbase of more than 9 metres x 12 F Bogie wagon with distance between wheels of more than 14 metres and up to and including a distance of 17,50 metres x 13 F Bogie wagon with distance between wheels of more than 17,50 metres x 15 F Wagon not allowed over the hump x x 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 25 F Gas carrying tank wagon with orange side stripe x 41 F Place this wagon at the front of the train x x x 42 F Place this wagon at the rear of the train x x x 63 F (+P) Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned one x x 70 F Shunt with care (1 red triangle) x x x 71 F Shunt with special care (2 red triangle) x x x 94 F Gas carrying wagon without orange side stripe x
source	<xs:element name="TechnicalForwardingRestrictions" type="RestrictionCodes"> <xs:annotation> <xs:documentation>This element is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load- All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list which is contained in the code list RestrictionCodes. In this element we use only those codes that have "T - Technical" characteristics and "F - Freight" as the type. The codes below are sorted out from the RestrictionCodes. Only these codes should be used in this element. F = Freight

P = Passenger
T = Technical
D = Damage
L = Load

Code	F or P	Description	T	D	L
07	F	Shunt only when hand brake operable with ground staff			
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
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
63	F (+P)	Special consignment or (for Passengers trains) loading/cinematic gauge larger than the planned one		x	x
70	F	Shunt with care (1 red triangle)		x	
71	F	Shunt with special care (2 red triangle)		x	x
94	F	Gas carrying wagon without orange side stripe		x	x

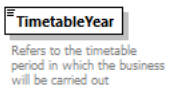
```
                x
</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **TiltingFunction**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	content simple
used by	element **PlannedTrainTechnicalData**
annotation	documentation Indicates if a rolling stock is fitted with a tilting system

source	`<xs:element name="TiltingFunction" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates if a rolling stock is fitted with a tilting system</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

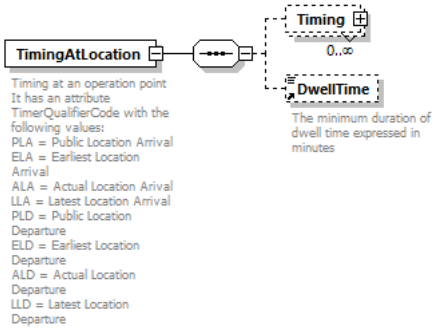
element **TimetableYear**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType**
facets	Kind Value Annotation minInclusive 2012 maxInclusive 2097
annotation	documentation Refers to the timetable period in which the business will be carried out

source	`<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>

element **TimingAtLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Timing** **DwellTime**
used by	elements **AssociatedAttachedTimingAtLocation** **PlannedJourneyLocation**
annotation	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

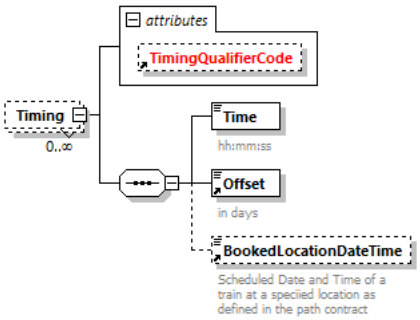
source

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

element **TimingAtLocation/Timing**

diagram



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

properties:

minOcc	0
maxOcc	unbounded
content	complex

children: **Time** **Offset** **BookedLocationDateTime**

attributes:

Name	Type	Use	Default	Fixed	Annotation
TimingQualifierCode					

source

```
<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>
```

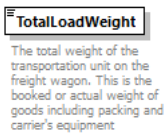
```
      <xs:element                                              ref="Offset">
        <xs:annotation>
          <xs:documentation>in                          days</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element        ref="BookedLocationDateTime"        minOccurs="0"/>
    </xs:sequence>
    <xs:attribute                                  ref="TimingQualifierCode"/>
  </xs:complexType>
</xs:element>
```

element **TimingAtLocation/Timing/Time**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **xs:time**
properties	content complex
annotation	documentation hh:mm:ss

source	`<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>`

element **TotalLoadWeight**

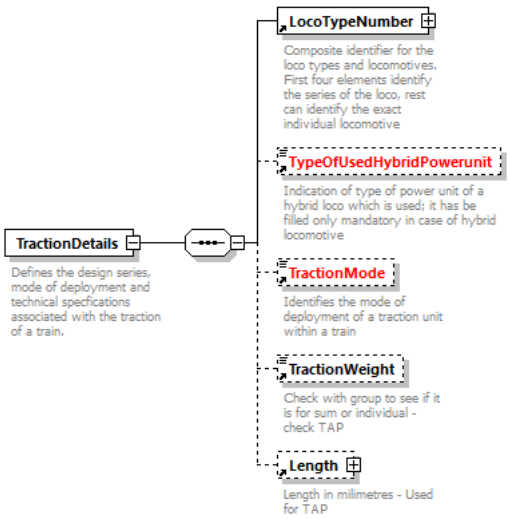
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**WeightValueKilo**
properties	content simple
used by	element **WagonOperationalData**
facets	Kind / Value / Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation The total weight of the transportation unit on the freight wagon. This is the booked or actual weight of goods including packing and carrier's equipment
source	`<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>
```

element **TotalWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
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	`<xs:element name="TotalWeight" type="WeightValueKilo"><xs:annotation><xs:documentation>Total weight of the loaded wagon [kg].</xs:documentation></xs:annotation></xs:element>`

element **TractionDetails**

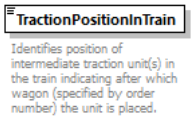
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**LocoTypeNumber** **TypeOfUsedHybridPowerunit** **TractionMode** **TractionWeight** **Length**

used by	element **PlannedTrainTechnicalData**
annotation	documentation Defines the design series, mode of deployment and technical specfications associated with the traction of a train.

source

```
<xs:element name="TractionDetails">
  <xs:annotation>
    <xs:documentation>Defines the design series, mode of deployment and technical specfications associated with the traction of a train.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="LocoTypeNumber"/>
      <xs:element ref="TypeOfUsedHybridPowerunit" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Indication of type of power unit of a hybrid loco which is used; it has be filled only mandatory in case of hybrid locomotive</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TractionMode" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Identifies the mode of deployment of a traction unit within a train</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="TractionWeight" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Check with group to see if it is for sum or individual - check TAP</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="Length" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Length in milimetres - Used for TAP</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TractionPositionInTrain**

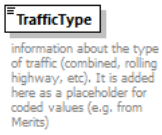
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **TrainCompositionJourneySection/LocoIdent**
facets	Kind Value Annotation minInclusive 01

	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	<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>

element **TractionWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**WeightValueTonne**
properties	content simple
used by	element **TractionDetails**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation The weight of the traction unit
source	<xs:element name="TractionWeight" type="WeightValueTonne"> <xs:annotation> <xs:documentation>The weight of the traction unit</xs:documentation> </xs:annotation> </xs:element>

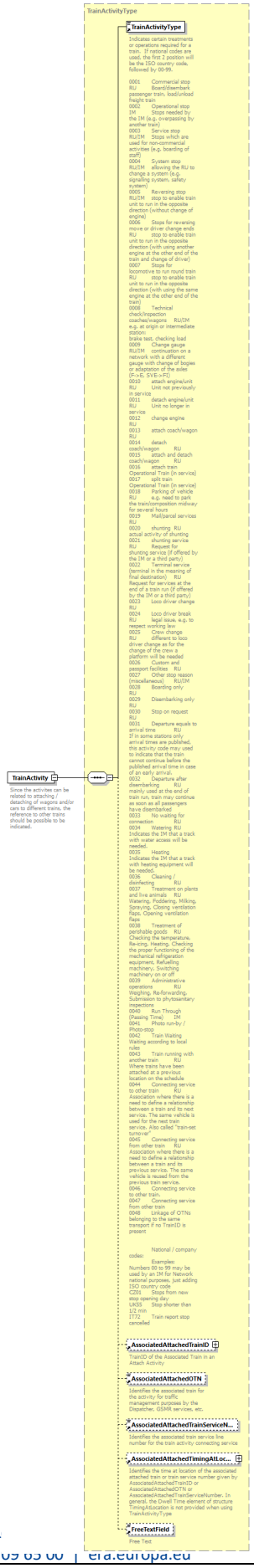
element **TrafficType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	element **PlannedTrainData**
facets	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	<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 base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="2"/> </xs:restriction> </xs:simpleType> </xs:element>

element **TrainActivity**

diagram

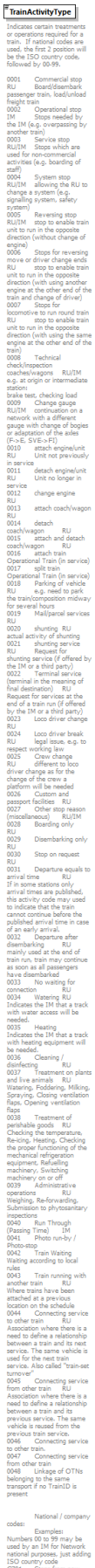

TrainActivityType
TrainActivityType
Indicates certain treatments or operations required for a train. If national codes are used, the first 2 position will be the ISO country code, followed by 00-99.
0001 Commercial stop RU Board/disembark passenger train, load/unload freight train
0002 Operational stop 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 (P->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
0028 Boarding only RU
0029 Disembarking only RU
0030 Stop on request RU
0031 Departure equals to arrival time RU If in some stations only arrival times are published, this activity code may used to indicate that the train cannot continue before the published arrival time in case of an early arrival.
0032 Departure after disembarking RU mainly used at the end of train run, train may continue as soon as all passengers have disembarked
0033 No waiting for connection RU
0034 Watering RU Indicates the IM that a track with water access will be needed.
0035 Heating Indicates the IM that a track with heating equipment will be needed.
0036 Cleaning / disinfecting RU
0037 Treatment on plants and live animals RU Watering, Paddering, Milking, Spraying, Closing ventilation flaps, Opening ventilation flaps
0038 Treatment of perishable goods RU Checking the temperature, Re-icing, Heating, Checking the proper functioning of the mechanical refrigeration equipment, Refuelling machinery, Switching machinery on or off
0039 Administrative operations RU Weighing, Re-forwarding, Submission to phytosanitary inspections
0040 Run Through (Passing Time) IM
0041 Photo run-by / Photo-stop
0042 Train Waiting Waiting according to local rules
0043 Train running with another train RU Where trains have been attached at a previous location on the schedule
0044 Connecting service to other train RU Association where there is a need to define a relationship between a train and its next service. The same vehicle is used for the next train service. Also called 'train-set turnover'
0045 Connecting service from other train RU Association where there is a need to define a relationship between a train and its previous service. The same vehicle is reused from the previous train service.
0046 Connecting service to other train.
0047 Connecting service from other train
0048 Linkage of OTNs belonging to the same transport if no TrainID is present
National / company codes: Examples: Numbers 00 to 99 may be used by an IM for Network national purposes, just adding ISO country code
CZ01 Stops from new stop opening day
UK55 Stop shorter than 1/2 min
1772 Train report stop cancelled
TrainActivity
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.
AssociatedAttachedTrainID
TrainID of the Associated Train in an Attach Activity
AssociatedAttachedOTN
Identifies the associated train for the activity for traffic management purposes by the Dispatcher, GSMR services, etc.
AssociatedAttachedTrainServiceN...
Identifies the associated train service line number for the train activity connecting service
AssociatedAttachedTimingAtLoc...
Identifies the time at location of the associated attached train or train service number given by AssociatedAttachedTrainID or AssociatedAttachedOTN or AssociatedAttachedTrainServiceNumber. In general, the DwellTime element of structure TimingAllocation is not provided when using TrainActivityType
FreeTextField
Free Text

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**TrainActivityType**
properties	content complex
children	**TrainActivityType** **AssociatedAttachedTrainID** **AssociatedAttachedOTN** **AssociatedAttachedTrainServiceNumber** **AssociatedAttachedTimingAtLocation** **FreeTextField**
used by	elements **TrainRunningData/Activities** **PlannedJourneyLocation**
annotation	documentation Since the activites can be related to attaching / detaching of wagons and/or cars to different trains, the reference to other trains should be possible to be indicated.

source	`<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>`

element **TrainActivityType**

diagram


TrainActivityType
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
0028 Boarding only RU
0029 Disembarking only RU
0030 Stop on request RU
0031 Departure equals to arrival time RU If in some stations only arrival times are published, this activity code may used to indicate that the train cannot continue before the published arrival time in case of an early arrival.
0032 Departure after disembarking RU mainly used at the end of train run, train may continue as soon as all passengers have disembarked
0033 No waiting for connection RU
0034 Watering RU Indicates the IM that a track with water access will be needed.
0035 Heating Indicates the IM that a track with heating equipment will be needed.
0036 Cleaning / disinfecting RU
0037 Treatment on plants and live animals RU Watering, Foddering, Milking, Spraying, Closing ventilation flaps, Opening ventilation flaps
0038 Treatment of perishable goods RU Checking the temperature, Re-icing, Heating, Checking the proper functioning of the mechanical refrigeration equipment, Refuelling machinery, Switching machinery on or off
0039 Administrative operations RU Weighing, Re-forwarding, Submission to phytosanitary inspections
0040 Run Through (Passing Time) IM
0041 Photo run-by / Photo-stop
0042 Train Waiting Waiting according to local rules
0043 Train running with another train RU Where trains have been attached at a previous location on the schedule
0044 Connecting service to other train RU Association where there is a need to define a relationship between a train and its next service. The same vehicle is used for the next train service. Also called "train-set turnover"
0045 Connecting service from other train RU Association where there is a need to define a relationship between a train and its previous service. The same vehicle is reused from the previous train service.
0046 Connecting service to other train.
0047 Connecting service from other train
0048 Linkage of OTNs belonging to the same transport if no TrainID is present
National / company codes:
Examples:
Numbers 00 to 99 may be used by an IM for Network national purposes, just adding ISO country code
CZ01 Stops from new stop opening day
UK55 Stop shorter than 1/2 min
IT72 Train report stop cancelled

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	complexType **TrainActivityType**
facets	Kind Value Annotation minLength 4 maxLength 4
annotation	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 0028 Boarding only RU 0029 Disembarking only RU 0030 Stop on request RU 0031 Departure equals to arrival time RU If in some stations only arrival times are published, this activity code may used to indicate that the train cannot continue before the published arrival time in case of an early arrival. 0032 Departure after disembarking RU mainly used at the end of train run, train may continue as soon as all passengers have disembarked 0033 No waiting for connection RU 0034 Watering RU Indicates the IM that a track with water access will be needed. 0035 Heating Indicates the IM that a track with heating equipment will be needed. 0036 Cleaning / disinfecting RU 0037 Treatment on plants and live animals RU Watering, Foddering, Milking, Spraying, Closing ventilation flaps, Opening ventilation flaps 0038 Treatment of perishable goods RU Checking the temperature, Re-icing, Heating, Checking

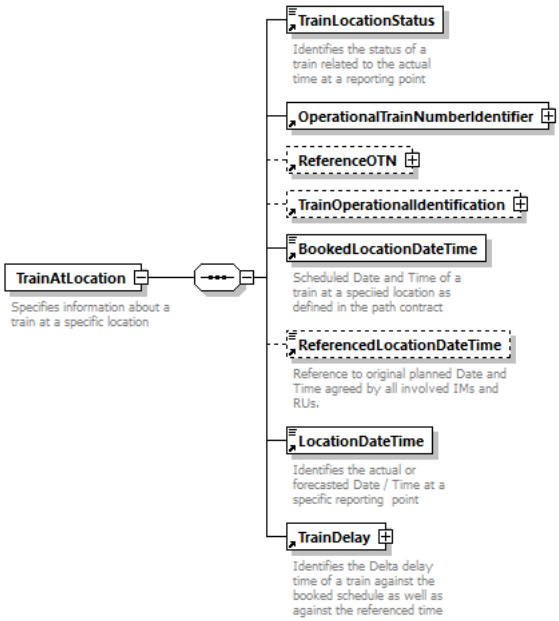
	the proper functioning of the mechanical refrigeration equipment, Refuelling machinery, Switching machinery on or off 0039 Administrative operations RU Weighing, Re-forwarding, Submission to phytosanitary inspections 0040 Run Through (Passing Time) IM 0041 Photo run-by / Photo-stop 0042 Train Waiting Waiting according to local rules 0043 Train running with another train RU Where trains have been attached at a previous location on the schedule 0044 Connecting service to other train RU Association where there is a need to define a relationship between a train and its next service. The same vehicle is used for the next train service. Also called "train-set turnover" 0045 Connecting service from other train RU Association where there is a need to define a relationship between a train and its previous service. The same vehicle is reused from the previous train service. 0046 Connecting service to other train. 0047 Connecting service from other train 0048 Linkage of OTNs belonging to the same transport if no TrainID is present National / company codes: Examples: Numbers 00 to 99 may be used by an IM for Network national purposes, just adding ISO country code CZ01 Stops from new stop opening day UK55 Stop shorter than 1/2 min IT72 Train report stop cancelled
source	<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 engineRU 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 0028 Boarding onlyRU 0029 Disembarking only RU 0030 Stop on request RU 0031 Departure equals to arrival time RU If in some stations only arrival times are published, this activity code may used to indicate that the train cannot continue before the published arrival time in case of an early arrival. 0032 Departure after disembarking RU mainly used at the end of train run, train may continue as soon as all passengers have disembarked 0033 No waiting for connection RU 0034 Watering RU Indicates the IM that a track with water access will be needed. 0035 Heating Indicates the IM that a track with heating equipment will be needed. 0036 Cleaning / disinfecting RU 0037 Treatment on plants and live animals RU Watering, Foddering, Milking, Spraying, Closing ventilation flaps, Opening ventilation flaps 0038 Treatment of perishable goods RU Checking the temperature, Re-icing, Heating, Checking the proper functioning of the mechanical refrigeration equipment, Refuelling machinery, Switching machinery on or off 0039 Administrative operations RU Weighing, Re-forwarding, Submission to phytosanitary inspections 0040 Run Through (Passing Time)IM 0041 Photo run-by / Photo-stop 0042 Train Waiting Waiting according to local rules 0043 Train running with another train RU Where trains have been attached at a previous location on the schedule 0044 Connecting service to other train RU Association where there is a need to define a relationship between a train and its next service. The same vehicle is used for the next train service. Also called "train-set turnover" 0045 Connecting service from other train RU Association where there is a need to define a relationship between a train and its previous service. The same vehicle is reused from the previous train service. 0046 Connecting service to other train. 0047 Connecting service from other train 0048 Linkage of OTNs belonging to the same transport if no TrainID is present National / company codes: Examples: Numbers 00 to 99 may be used by an IM for Network national purposes, just adding ISO country code CZ01 Stops from new stop opening day

```
UK55   Stop shorter than 1/2 min
IT72   Train report stop cancelled
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                    base="xs:string">
      <xs:minLength                                          value="4"/>
      <xs:maxLength                                          value="4"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TrainAtLocation**

diagram



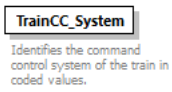
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	TrainLocationStatus OperationalTrainNumberIdentifier ReferenceOTN TrainOperationalIdentification BookedLocationDateTime ReferencedLocationDateTime LocationDateTime TrainDelay
used by	element TrainForecastAtReportingLocationMessage
annotation	documentation Specifies information about a train at a specific location

source

```
<xs:element                                          name="TrainAtLocation">
  <xs:annotation>
    <xs:documentation>Specifies information about a train at a specific
location</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                ref="TrainLocationStatus"/>
      <xs:element                  ref="OperationalTrainNumberIdentifier"/>
      <xs:element             ref="ReferenceOTN"             minOccurs="0"/>
      <xs:element    ref="TrainOperationalIdentification"    minOccurs="0"/>
      <xs:element                                ref="BookedLocationDateTime"/>
      <xs:element      ref="ReferencedLocationDateTime"      minOccurs="0"/>
```

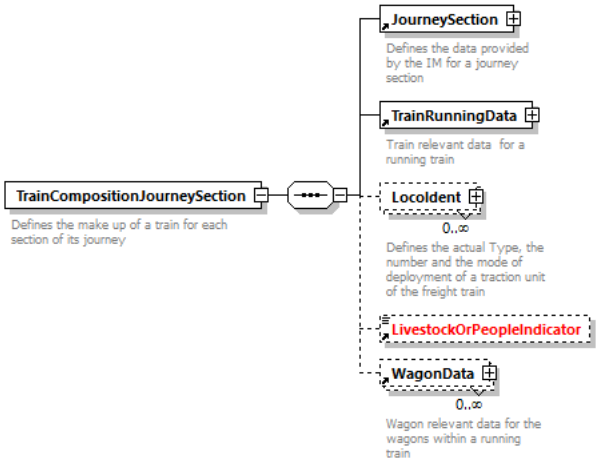
```
      <xs:element                                    ref="LocationDateTime"/>
      <xs:element                                          ref="TrainDelay"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainCC_System**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**TrainCC_SystemCode**
used by	elements **PlannedTrainTechnicalData** **TrainRunningTechData**
annotation	documentation Identifies the command control system of the train in coded values.

source	`<xs:element name="TrainCC_System" type="TrainCC_SystemCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the command control system of the train in coded values.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

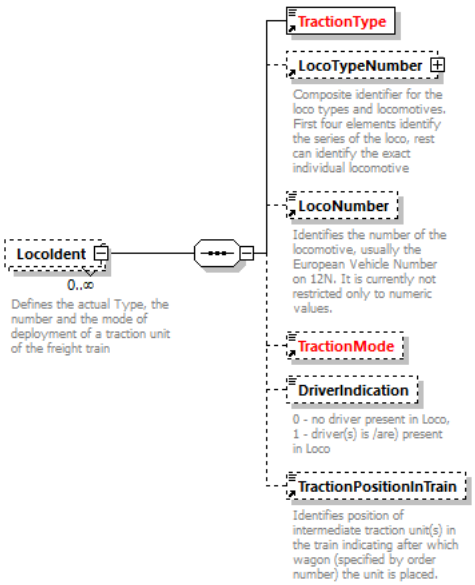
element **TrainCompositionJourneySection**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
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	`<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: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>
      <xs:element       ref="LivestockOrPeopleIndicator"       minOccurs="0"
maxOccurs="1"/>
      <xs:element   ref="WagonData"   minOccurs="0"   maxOccurs="unbounded"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

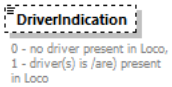
element **TrainCompositionJourneySection/LocoIdent**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc unbounded content complex
children	**TractionType** LocoTypeNumber LocoNumber **TractionMode** DriverIndication TractionPositionInTrain
annotation	documentation Defines the actual Type, the number and the mode of deployment of a traction unit of the freight train

source

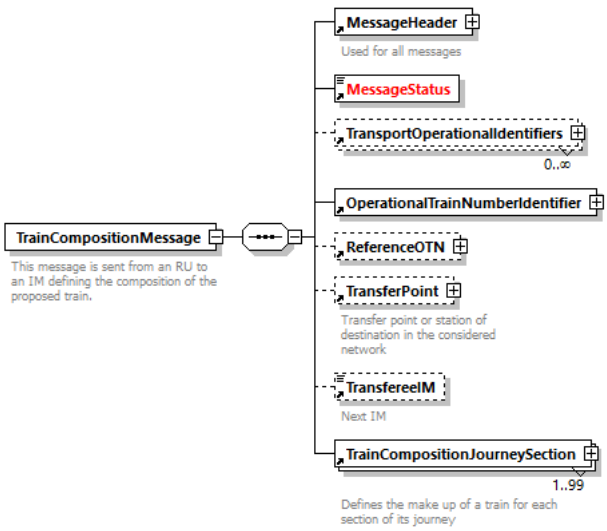
```
<xs:element name="LocoIdent" minOccurs="0" maxOccurs="unbounded">
  <xs:annotation>
    <xs:documentation>Defines the actual Type, the number and the mode of
deployment of a traction unit of the freight train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element 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>
```

element **TrainCompositionJourneySection/LocoIdent/DriverIndication**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation enumeration 0 enumeration 1
annotation	documentation 0 - no driver present in Loco, 1 - driver(s) is /are) present in Loco

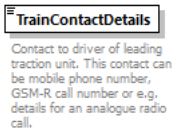
source	`<xs:element name="DriverIndication" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>0 - no driver present in Loco, 1 - driver(s) is /are) present in Loco</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="xs:integer">`
	`<xs:enumeration value="0"/>`
	`<xs:enumeration value="1"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

element **TrainCompositionMessage**

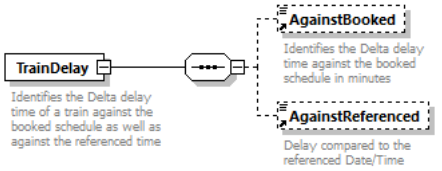
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **MessageStatus** **TransportOperationalIdentifiers** **OperationalTrainNumberIdentifier** **ReferenceOTN** **TransferPoint** **TransfereeIM** **TrainCompositionJourneySection**
annotation	documentation

	This message is sent from an RU to an IM defining the composition of the proposed train.
source	<xs:element name="TrainCompositionMessage"> <xs:annotation> <xs:documentation>This message is sent from an RU to an IM defining the composition of the proposed train.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="MessageStatus"/> <xs:element ref="TransportOperationalIdentifiers" minOccurs="0" maxOccurs="unbounded"/> <xs:element ref="OperationalTrainNumberIdentifier"/> <xs:element ref="ReferenceOTN" minOccurs="0"/> <xs:element ref="TransferPoint" minOccurs="0"/> <xs:element ref="TransfereeIM" minOccurs="0"/> <xs:element ref="TrainCompositionJourneySection" maxOccurs="99"/> </xs:sequence> </xs:complexType> </xs:element>

element **TrainContactDetails**

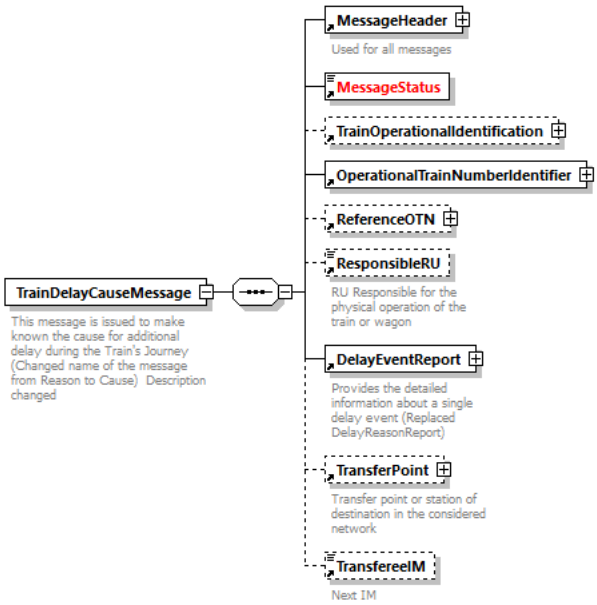
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CommunicationRefID**
properties	content simple
used by	element **TrainReadyMessage**
facets	Kind Value Annotation minLength 1 maxLength 70
annotation	documentation Contact to driver of leading traction unit. This contact can be mobile phone number, GSM-R call number or e.g. details for an analogue radio call.
source	<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>

element **TrainDelay**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**AgainstBooked** **AgainstReferenced**
used by	elements **TrainAtLocation** **TrainLocationReport** **TrainReadyMessage/TrainReadyStatus** **TrainReadyStatus**
annotation	documentation Identifies the Delta delay time of a train against the booked schedule as well as against the referenced time

source	`<xs:element name="TrainDelay">`
	`<xs:annotation>`
	`<xs:documentation>Identifies the Delta delay time of a train against the booked schedule as well as against the referenced time </xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element ref="AgainstBooked" minOccurs="0"/>`
	`<xs:element ref="AgainstReferenced" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>Delay compared to the referenced Date/Time</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`
	`</xs:sequence>`
	`</xs:complexType>`
	`</xs:element>`

element **TrainDelayCauseMessage**

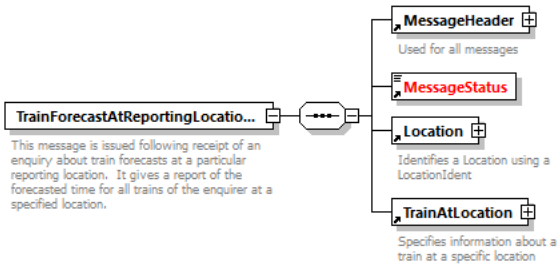
diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **MessageStatus** **TrainOperationalIdentification** **OperationalTrainNumberIdentifier** **ReferenceOTN** **ResponsibleRU** **DelayEventReport** **TransferPoint** **TransfereeIM**
annotation	documentation This message is issued to make known the cause for additional delay during the Train's Journey (Changed name of the message from Reason to Cause) Description changed

source

```
<xs:element name="TrainDelayCauseMessage">
  <xs:annotation>
    <xs:documentation>This message is issued to make known the cause for additional delay during the Train's Journey (Changed name of the message from Reason to Cause) Description changed</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TrainOperationalIdentification" minOccurs="0"/>
      <xs:element ref="OperationalTrainNumberIdentifier"/>
      <xs:element ref="ReferenceOTN" minOccurs="0"/>
      <xs:element ref="ResponsibleRU" minOccurs="0"/>
      <xs:element ref="DelayEventReport"/>
      <xs:element ref="TransferPoint" minOccurs="0"/>
      <xs:element ref="TransfereeIM" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainForecastAtReportingLocationMessage**

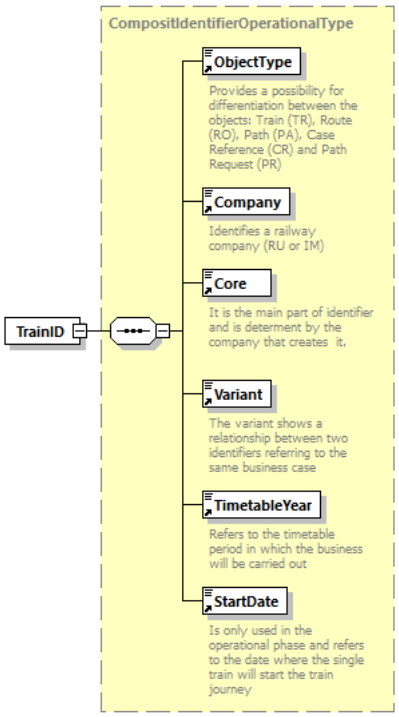
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **MessageStatus** **Location** **TrainAtLocation**
annotation	documentation This message is issued following receipt of an enquiry about train forecasts at a particular reporting location. It gives a report of the forecasted time for all trains of the enquirer at a specified location.

source

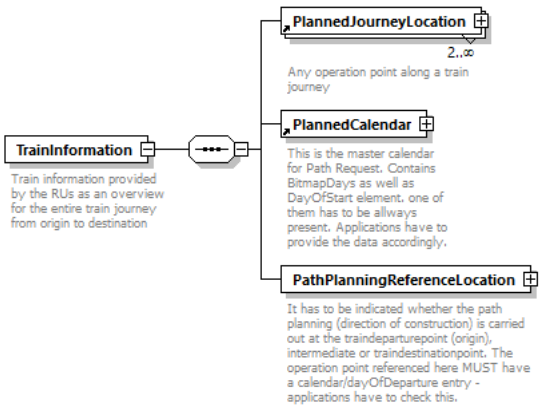
```
<xs:element name="TrainForecastAtReportingLocationMessage">
  <xs:annotation>
    <xs:documentation>This message is issued following receipt of an enquiry about train forecasts at a particular reporting location. It gives a report of the forecasted time for all trains of the enquirer at a specified location.
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
```

```
    <xs:sequence>
      <xs:element                                    ref="MessageHeader"/>
      <xs:element                                    ref="MessageStatus"/>
      <xs:element                                         ref="Location"/>
      <xs:element                                   ref="TrainAtLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainID**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompositIdentifierOperationalType**
properties	content complex
children	**ObjectType Company Core Variant TimetableYear StartDate**
used by	elements **ArrivalInterchangeReport DepartureInterchangeReport**
source	`<xs:element name="TrainID" type="CompositIdentifierOperationalType"/>`

element **TrainInformation**

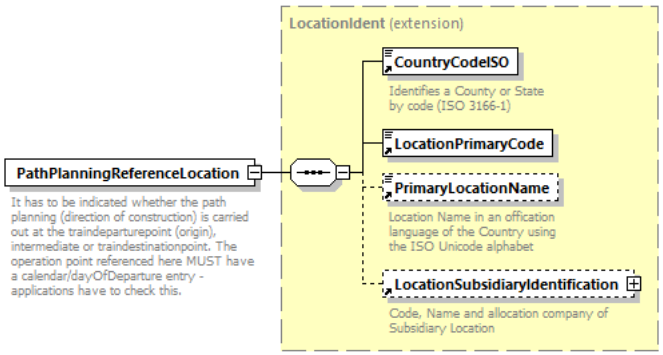
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**PlannedJourneyLocation** **PlannedCalendar** **PathPlanningReferenceLocation**
used by	element **PathRequestMessage**
annotation	documentation Train information provided by the RUs as an overview for the entire train journey from origin to destination

source

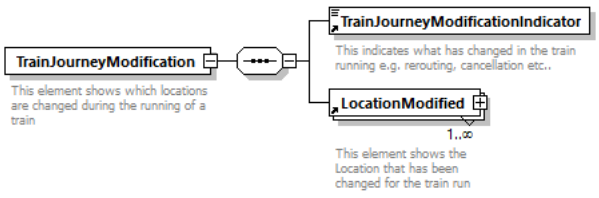
```
<xs:element                                          name="TrainInformation">
  <xs:annotation>
    <xs:documentation>Train information provided by the RUs as an overview
for the entire train journey from origin to destination</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element          ref="PlannedJourneyLocation"          minOccurs="2"
maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation>Any    operation    point    along    a    train
journey</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element                                          ref="PlannedCalendar">
        <xs:annotation>
          <xs:documentation>This is the master calendar for Path Request.
Contains BitmapDays as well as DayOfStart element. one of them has to be
allways present. Applications have to provide the data accordingly.
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <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>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainInformation/PathPlanningReferenceLocation**

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

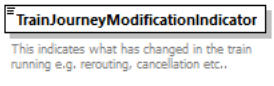
element **TrainJourneyModification**

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

properties	content complex
children	**TrainJourneyModificationIndicator** **LocationModified**
used by	element **TrainJourneyModificationMessage**
annotation	documentation This element shows which locations are changed during the running of a train

source	`<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>`

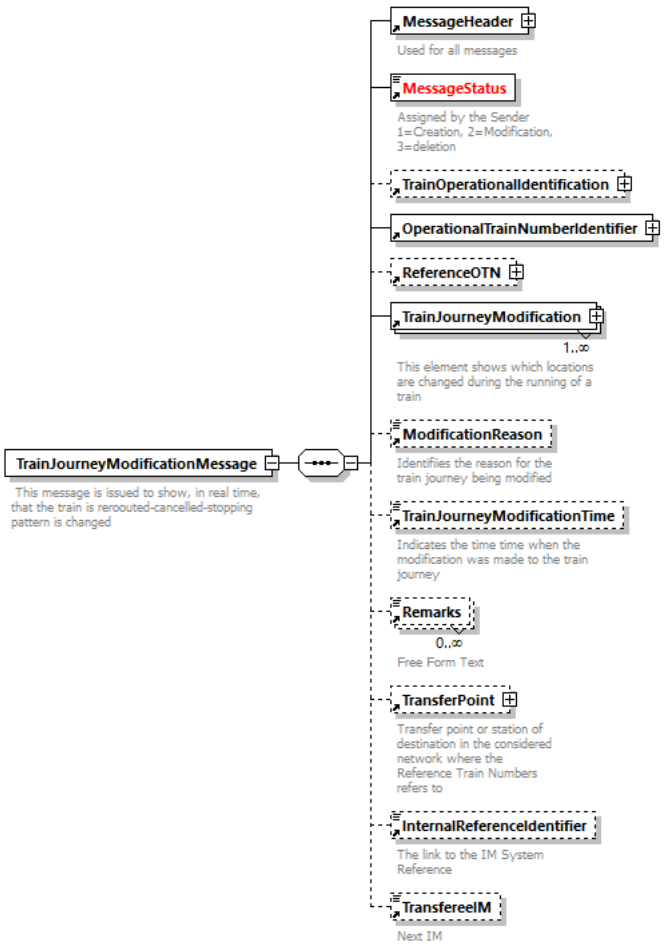
element **TrainJourneyModificationIndicator**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **TrainJourneyModification**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99
annotation	documentation This indicates what has changed in the train running e.g. rerouting, cancellation etc..

source	`<xs:element name="TrainJourneyModificationIndicator">`
	`  <xs:annotation>`
	`  <xs:documentation>This indicates what has changed in the train running e.g. rerouting, cancellation etc..</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:integer">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="99"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **TrainJourneyModificationMessage**

diagram



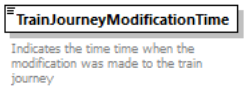
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	MessageHeader **MessageStatus** TrainOperationalIdentification OperationalTrainNumberIdentifier ReferenceOTN TrainJourneyModification ModificationReason TrainJourneyModificationTime Remarks TransferPoint InternalReferenceIdentifier TransfereeIM
annotation	documentation This message is issued to show, in real time, that the train is reroouted-cancelled-stopping pattern is changed

source

```
<xs:element name="TrainJourneyModificationMessage">
  <xs:annotation>
    <xs:documentation> This message is issued to show, in real time, that the train is reroouted-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"/>
```

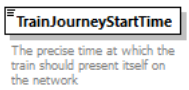
```
      <xs:element    ref="TrainJourneyModification"    maxOccurs="unbounded"/>
      <xs:element          ref="ModificationReason"          minOccurs="0"/>
      <xs:element      ref="TrainJourneyModificationTime"      minOccurs="0"/>
      <xs:element    ref="Remarks"    minOccurs="0"    maxOccurs="unbounded"/>
      <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>
```

element **TrainJourneyModificationTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	element **TrainJourneyModificationMessage**
annotation	documentation Indicates the time time when the modification was made to the train journey

source	`<xs:element name="TrainJourneyModificationTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>Indicates the time time when the modification was made to the train journey</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

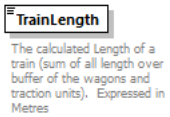
element **TrainJourneyStartTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
annotation	documentation The precise time at which the train should present itself on the network

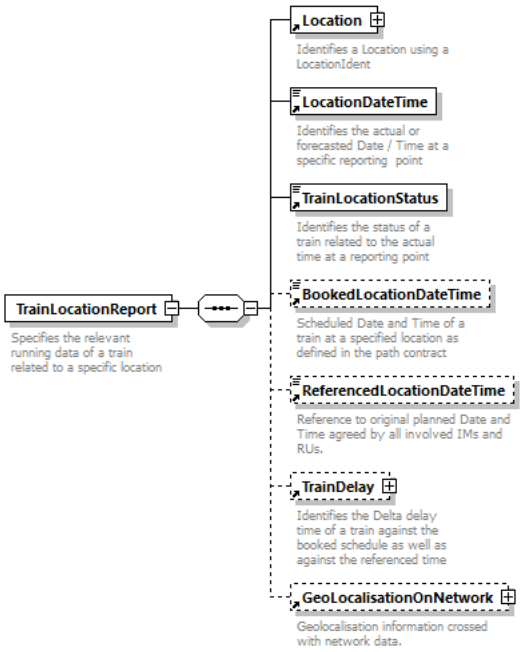
source	`<xs:element name="TrainJourneyStartTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The precise time at which the train should present itself on the network</xs:documentation>`
	`  </xs:annotation>`

	</xs:element>

element **TrainLength**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	Numeric4-4
properties	content simple
used by	elements PlannedTrainTechnicalData TrainRunningTechData
facets	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	<xs:element name="TrainLength" type="Numeric4-4"> <xs:annotation> <xs:documentation>The calculated Length of a train (sum of all length over buffer of the wagons and traction units). Expressed in Metres</xs:documentation> </xs:annotation> </xs:element>

element **TrainLocationReport**

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

children	Location LocationDateTime TrainLocationStatus BookedLocationDateTime ReferencedLocationDateTime TrainDelay GeoLocalisationOnNetwork
used by	elements TrainRunningForecastMessage TrainRunningInformationMessage
annotation	documentation Specifies the relevant running data of a train related to a specific location

source

```
<xs:element name="TrainLocationReport">
  <xs:annotation>
    <xs:documentation>Specifies the relevant running data of a train related to a specific location</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="Location"/>
      <xs:element ref="LocationDateTime"/>
      <xs:element ref="TrainLocationStatus"/>
      <xs:element ref="BookedLocationDateTime" minOccurs="0">
        <xs:annotation>
          <xs:documentation>Scheduled Date and Time of a train at a specified location as defined in the path contract</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="ReferencedLocationDateTime" minOccurs="0"/>
      <xs:element ref="TrainDelay" minOccurs="0"/>
      <xs:element ref="GeoLocalisationOnNetwork" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

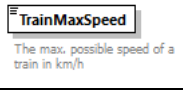
element **TrainLocationStatus**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**RunningStatus**
used by	elements ChangeofTrackMessage DelayEventReport LocationModified TrainAtLocation TrainLocationReport
annotation	documentation Identifies the status of a train related to the actual time at a reporting point

source

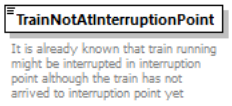
```
<xs:element name="TrainLocationStatus" type="RunningStatus">
  <xs:annotation>
    <xs:documentation>Identifies the status of a train related to the actual time at a reporting point</xs:documentation>
  </xs:annotation>
</xs:element>
```

element **TrainMaxSpeed**

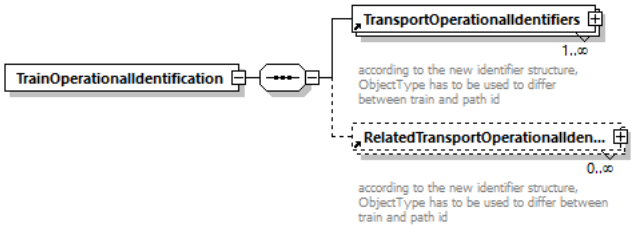
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

type	**Speed**
properties	content simple
used by	elements **PlannedTrainTechnicalData** **TrainRunningTechData**
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation The max. possible speed of a train in km/h
source	`<xs:element name="TrainMaxSpeed" type="Speed"><xs:annotation><xs:documentation>The max. possible speed of a train in km/h</xs:documentation></xs:annotation></xs:element>`

element **TrainNotAtInterruptionPoint**

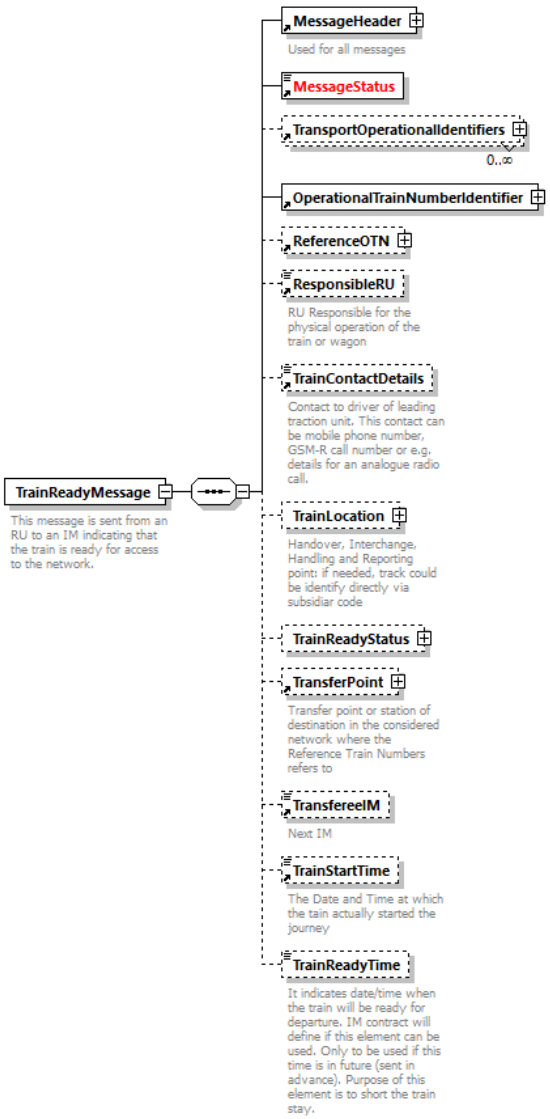
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **TrainRunningInterruptionMessage**
facets	Kind Value Annotation minInclusive 1 maxInclusive 1
annotation	documentation It is already known that train running might be interrupted in interruption point although the train has not arrived to interruption point yet
source	`<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>`

element **TrainOperationalIdentification**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	TransportOperationalIdentifiers RelatedTransportOperationalIdentifiers
used by	elements ChangeofTrackMessage TrainAtLocation TrainDelayCauseMessage TrainJourneyModificationMessage TrainRunningForecastMessage TrainRunningInformationMessage TrainRunningInterruptionMessage
source	<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>

element **TrainReadyMessage**

diagram



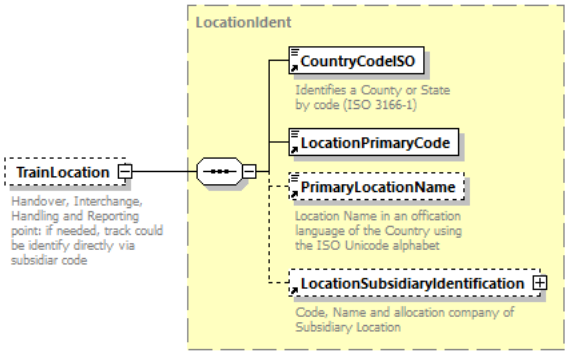
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **MessageStatus** **TransportOperationalIdentifiers** **OperationalTrainNumberIdentifier** **ReferenceOTN** **ResponsibleRU** **TrainContactDetails** **TrainLocation** **TrainReadyStatus** **TransferPoint** **TransfereeIM** **TrainStartTime** **TrainReadyTime**
annotation	documentation This message is sent from an RU to an IM indicating that the train is ready for access to the network.

source

```
<xs:element name="TrainReadyMessage">
  <xs:annotation>
    <xs:documentation>This message is sent from an RU to an IM indicating that the train is ready for access to the network.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="MessageHeader"/>
      <xs:element ref="MessageStatus"/>
      <xs:element ref="TransportOperationalIdentifiers" minOccurs="0" maxOccurs="unbounded"/>
```

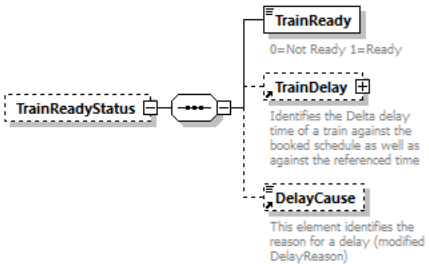
```
      <xs:element                    ref="OperationalTrainNumberIdentifier"/>
      <xs:element              ref="ReferenceOTN"              minOccurs="0"/>
      <xs:element             ref="ResponsibleRU"              minOccurs="0"/>
      <xs:element           ref="TrainContactDetails"          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 subsidiar code
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element           name="TrainReadyStatus"           minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element                                    name="TrainReady">
              <xs:annotation>
                <xs:documentation>0=Not   Ready   1=Ready</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                            base="xs:integer">
                  <xs:enumeration                                 value="0"/>
                  <xs:enumeration                                 value="1"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element           ref="TrainDelay"           minOccurs="0"/>
            <xs:element           ref="DelayCause"           minOccurs="0"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element             ref="TransferPoint"             minOccurs="0">
        <xs:annotation>
          <xs:documentation>Transfer point or station of destination in the
considered   network   where   the   Reference   Train   Numbers   refers   to
</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element             ref="TransfereeIM"              minOccurs="0"/>
      <xs:element            ref="TrainStartTime"             minOccurs="0"/>
      <xs:element  name="TrainReadyTime"  type="xs:dateTime"  minOccurs="0">
        <xs:annotation>
          <xs:documentation>It indicates date/time when the train will be
ready for departure. IM contract will define if this element can be used. Only
to be used if this time is in future (sent in advance). Purpose of this element
is      to      short      the      train      stay.      </xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainReadyMessage/TrainLocation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	minOcc 0 maxOcc 1 content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
annotation	documentation Handover, Interchange, Handling and Reporting point: if needed, track could be identify directly via subsidiar code

source	`<xs:element name="TrainLocation" type="LocationIdent" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>Handover, Interchange, Handling and Reporting point: if needed, track could be identify directly via subsidiar code</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

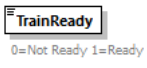
element **TrainReadyMessage/TrainReadyStatus**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 1 content complex
children	**TrainReady** **TrainDelay** **DelayCause**

source	`<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>`

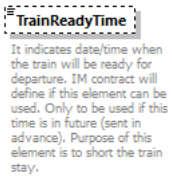
```
          <xs:restriction                                    base="xs:integer">
            <xs:enumeration                                         value="0"/>
            <xs:enumeration                                         value="1"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element                ref="TrainDelay"                  minOccurs="0"/>
      <xs:element                ref="DelayCause"                  minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainReadyMessage/TrainReadyStatus/TrainReady**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation enumeration 0 enumeration 1
annotation	documentation 0=Not Ready 1=Ready

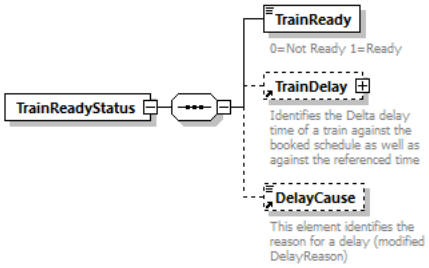
source	`<xs:element name="TrainReady">`
	`<xs:annotation>`
	`<xs:documentation>0=Not Ready 1=Ready</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="xs:integer">`
	`<xs:enumeration value="0"/>`
	`<xs:enumeration value="1"/>`
	`</xs:restriction>`
	`</xs:simpleType>`
	`</xs:element>`

element **TrainReadyMessage/TrainReadyTime**

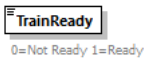
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation It indicates date/time when the train will be ready for departure. IM contract will define if this element can be used. Only to be used if this time is in future (sent in advance). Purpose of this element is to short the train stay.

source	<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>

element **TrainReadyStatus**

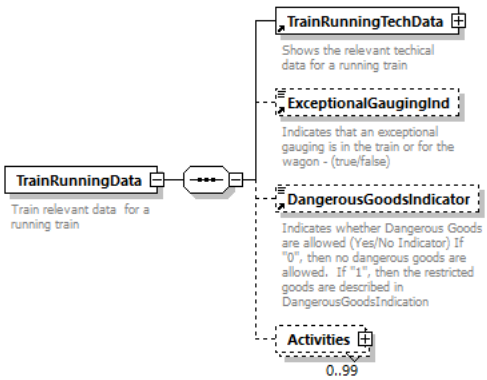
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**TrainReady** **TrainDelay** **DelayCause**
source	<xs:element name="TrainReadyStatus"> <xs:complexType> <xs:sequence> <xs:element name="TrainReady"> <xs:annotation> <xs:documentation>0=Not Ready 1=Ready</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:element> <xs:element ref="TrainDelay" minOccurs="0"/> <xs:element ref="DelayCause" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **TrainReadyStatus/TrainReady**

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

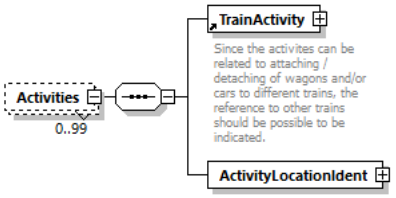
facets	Kind Value Annotation enumeration 0 enumeration 1
annotation	documentation 0=Not Ready 1=Ready
source	<xs:element name="TrainReady"> <xs:annotation> <xs:documentation>0=Not Ready 1=Ready</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> </xs:restriction> </xs:simpleType> </xs:element>

element **TrainRunningData**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	TrainRunningTechData ExceptionalGaugingInd DangerousGoodsIndicator Activities
used by	element TrainCompositionJourneySection
annotation	documentation Train relevant data for a running train
source	<xs:element name="TrainRunningData"> <xs:annotation> <xs:documentation>Train relevant data for a running train</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="TrainRunningTechData"/> <xs:element ref="ExceptionalGaugingInd" minOccurs="0"/> <xs:element ref="DangerousGoodsIndicator" minOccurs="0"/> <xs:element name="Activities" minOccurs="0" maxOccurs="99"> <xs:complexType> <xs:sequence> <xs:element ref="TrainActivity"/> <xs:element name="ActivityLocationIdent" type="LocationIdent"/> </xs:sequence>

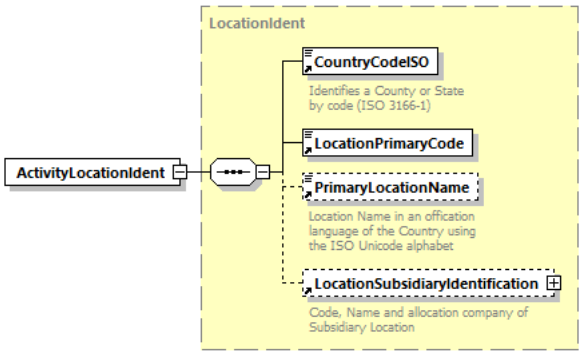
```
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **TrainRunningData/Activities**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 99 content complex
children	**TrainActivity** **ActivityLocationIdent**

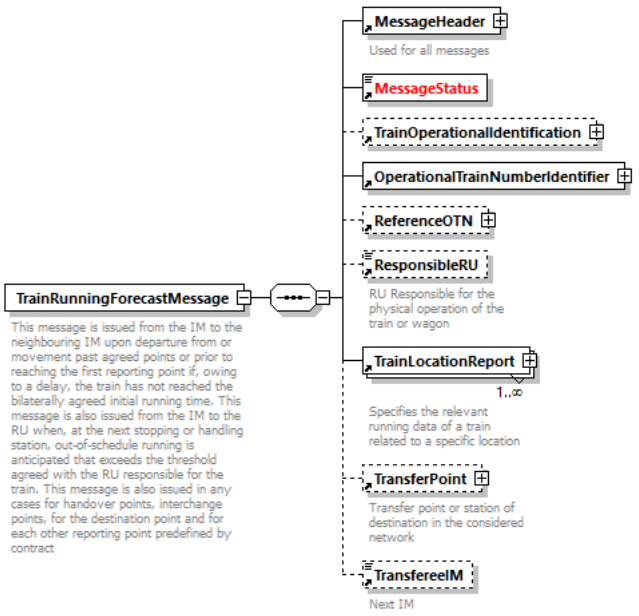
source	`<xs:element name="Activities" minOccurs="0" maxOccurs="99">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="TrainActivity"/>`
	`  <xs:element name="ActivityLocationIdent" type="LocationIdent"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **TrainRunningData/Activities/ActivityLocationIdent**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**
source	`<xs:element name="ActivityLocationIdent" type="LocationIdent"/>`

element **TrainRunningForecastMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **MessageStatus** **TrainOperationalIdentification** **OperationalTrainNumberIdentifier** **ReferenceOTN** **ResponsibleRU** **TrainLocationReport** **TransferPoint** **TransfereeIM**
annotation	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

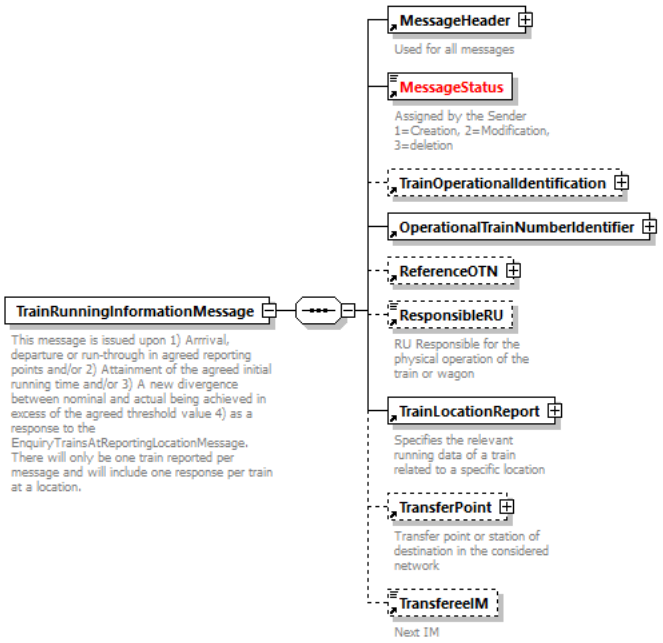
source

```
<xs:element                                    name="TrainRunningForecastMessage">
  <xs:annotation>
    <xs:documentation>This message is issued from the IM to the neighbouring
IM upon departure from or movement past agreed points or prior to reaching
the first reporting point if, owing to a delay, the train has not reached the
bilaterally agreed initial running time. This message is also issued from the
IM to the RU when, at the next stopping or handling station, out-of-schedule
running is anticipated that exceeds the threshold agreed with the RU
responsible for the train. This message is also issued in any cases for
handover points, interchange points, for the destination point and for each
other reporting point predefined by contract</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                          ref="MessageHeader"/>
      <xs:element                                          ref="MessageStatus"/>
      <xs:element     ref="TrainOperationalIdentification"     minOccurs="0"/>
      <xs:element                    ref="OperationalTrainNumberIdentifier"/>
      <xs:element              ref="ReferenceOTN"              minOccurs="0"/>
      <xs:element             ref="ResponsibleRU"              minOccurs="0"/>
      <xs:element       ref="TrainLocationReport"       maxOccurs="unbounded"/>
      <xs:element              ref="TransferPoint"             minOccurs="0"/>
      <xs:element               ref="TransfereeIM"             minOccurs="0"/>
    </xs:sequence>
```

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

element **TrainRunningInformationMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **MessageStatus** **TrainOperationalIdentification** **OperationalTrainNumberIdentifier** **ReferenceOTN** **ResponsibleRU** **TrainLocationReport** **TransferPoint** **TransfereeIM**
annotation	documentation This message is issued upon 1) Arrrival, departure or run-through in agreed reporting points and/or 2) Attainment of the agreed initial running time and/or 3) A new divergence between nominal and actual being achieved in excess of the agreed threshold value 4) as a response to the EnquiryTrainsAtReportingLocationMessage. There will only be one train reported per message and will include one response per train at a location.

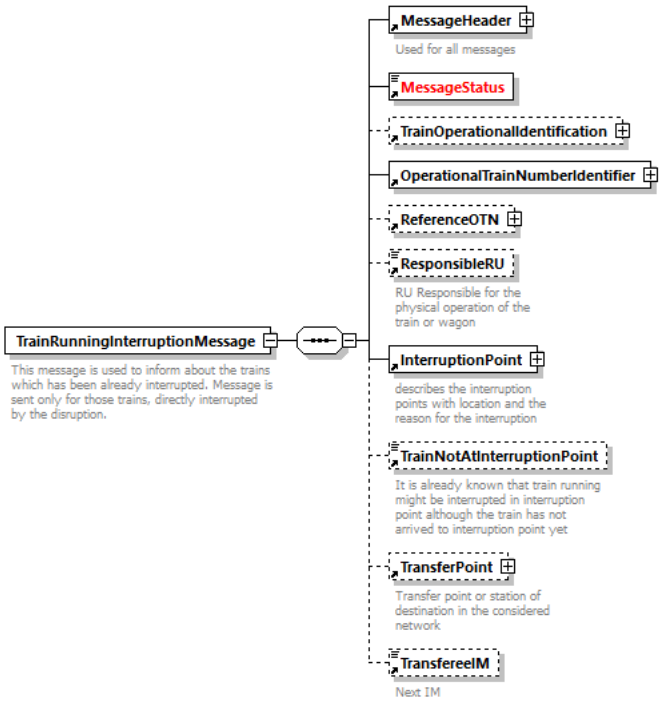
source

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

element **TrainRunningInterruptionMessage**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **MessageStatus** **TrainOperationalIdentification** **OperationalTrainNumberIdentifier** **ReferenceOTN** **ResponsibleRU** **InterruptionPoint** **TrainNotAtInterruptionPoint** **TransferPoint** **TransfereeIM**
annotation	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.

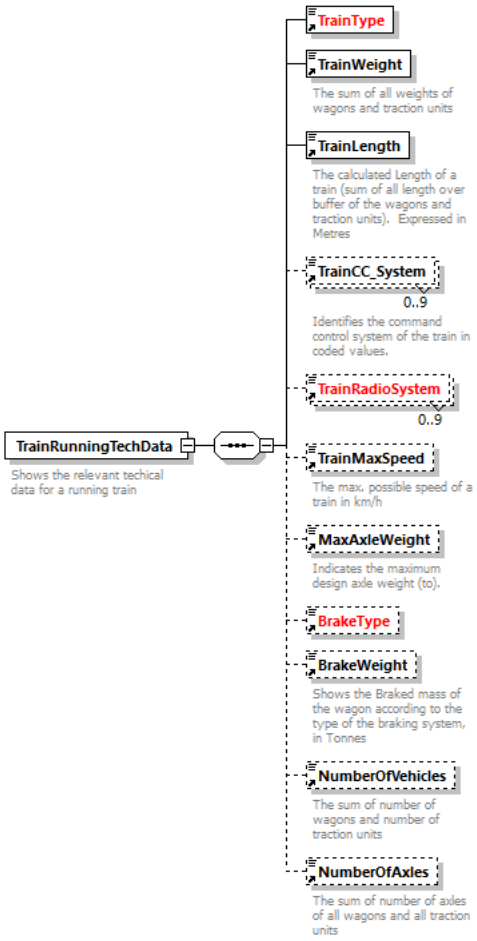
source

```
<xs:element                              name="TrainRunningInterruptionMessage">
  <xs:annotation>
    <xs:documentation>This message is used to inform about the trains which
has been already interrupted. Message is sent only for those trains, directly
interrupted       by       the       disruption.       </xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                        ref="MessageHeader"/>
      <xs:element                                        ref="MessageStatus"/>
      <xs:element     ref="TrainOperationalIdentification"     minOccurs="0"/>
      <xs:element                    ref="OperationalTrainNumberIdentifier"/>
      <xs:element              ref="ReferenceOTN"              minOccurs="0"/>
```

```
      <xs: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>
```

element **TrainRunningTechData**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
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 techical data for a running train

source

```
<xs:element                                    name="TrainRunningTechData">
  <xs:annotation>
    <xs:documentation>Shows the relevant techical data for a running
train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
```

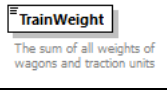
```
    <xs:sequence>
      <xs:element                                          ref="TrainType"/>
      <xs:element                                        ref="TrainWeight"/>
      <xs:element                                        ref="TrainLength"/>
      <xs:element    ref="TrainCC_System"    minOccurs="0"    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>
```

element **TrainStartTime**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
used by	element **TrainReadyMessage**
annotation	documentation The Date and Time at which the tain actually started the journey

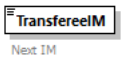
source	`<xs:element name="TrainStartTime" type="xs:dateTime">`
	`  <xs:annotation>`
	`  <xs:documentation>The Date and Time at which the tain actually started the journey</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TrainWeight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **WeightValueTonne**
properties	content simple
used by	elements **PlannedTrainTechnicalData** **TrainRunningTechData**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation The sum of all weights of wagons and traction units
source	`<xs:element name="TrainWeight">` `  <xs:annotation>`

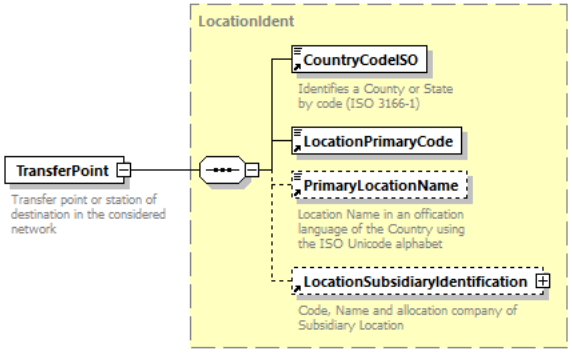
```
    <xs:documentation>The sum of all weights of wagons and traction
units</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                   base="WeightValueTonne">
      <xs:maxInclusive                                        value="99999"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TransfereeIM**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CompanyCode**
properties	content simple
used by	elements **ChangeofTrackMessage** **TrainCompositionMessage** **TrainDelayCauseMessage** **TrainJourneyModificationMessage** **TrainReadyMessage** **TrainRunningForecastMessage** **TrainRunningInformationMessage** **TrainRunningInterruptionMessage**
facets	Kind / Value / Annotation minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Next IM

source	`<xs:element name="TransfereeIM" type="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Next IM</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TransferPoint**

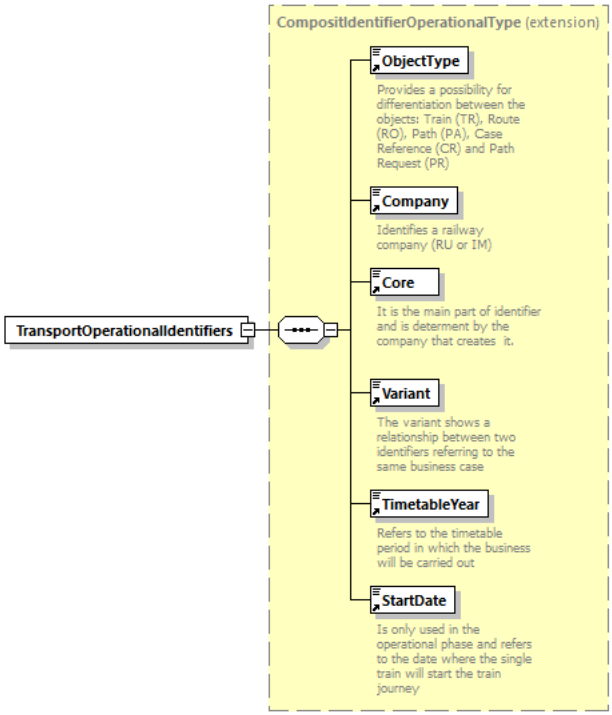
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**LocationIdent**
properties	content complex
children	**CountryCodeISO** **LocationPrimaryCode** **PrimaryLocationName** **LocationSubsidiaryIdentification**

used by	elements **ChangeofTrackMessage** **TrainCompositionMessage** **TrainDelayCauseMessage** **TrainJourneyModificationMessage** **TrainReadyMessage** **TrainRunningForecastMessage** **TrainRunningInformationMessage** **TrainRunningInterruptionMessage**
annotation	documentation Transfer point or station of destination in the considered network
source	`<xs:element name="TransferPoint" type="LocationIdent"><xs:annotation><xs:documentation>Transfer point or station of destination in the considered network</xs:documentation></xs:annotation></xs:element>`

element **TransportInstruction**

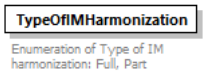
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**FreeText**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Special instructions regarding the transportation of the wagon or shipment in free text
source	`<xs:element name="TransportInstruction"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

element **TransportOperationalIdentifiers**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **CompositIdentifierOperationalType**
properties	content complex
children	**ObjectType Company Core Variant TimetableYear StartDate**
used by	elements **ErrorMessage TrainCompositionMessage TrainOperationalIdentification TrainReadyMessage**

source	`<xs:element name="TransportOperationalIdentifiers">`
	`  <xs:complexType>`
	`  <xs:complexContent>`
	`  <xs:extension base="CompositIdentifierOperationalType"/>`
	`  </xs:complexContent>`
	`  </xs:complexType>`
	`</xs:element>`

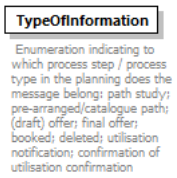
element **TypeOfIMHarmonization**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**TypeOfIMHarmonizationCode**
used by	elements **PathDetailsMessage PathRequestMessage**
annotation	documentation Enumeration of Type of IM harmonization: Full, Part

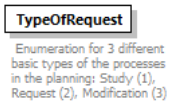
source	`<xs:element name="TypeOfIMHarmonization" type="TypeOfIMHarmonizationCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Enumeration of Type of IM harmonization: Full, Part`
	`</xs:documentation>`

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

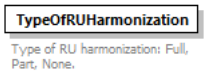
element **TypeOfInformation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**TypeOfInformationCode**
used by	elements **PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage ReceiptConfirmationMessage**
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	<xs:element name="TypeOfInformation" type="TypeOfInformationCode"> <xs:annotation> <xs:documentation> Enumeration indicating to which process step / process type in the planning does the message belong: path study; pre-arranged/catalogue path; (draft) offer; final offer; booked; deleted; utilisation notification; confirmation of utilisation confirmation</xs:documentation> </xs:annotation> </xs:element>

element **TypeOfRequest**

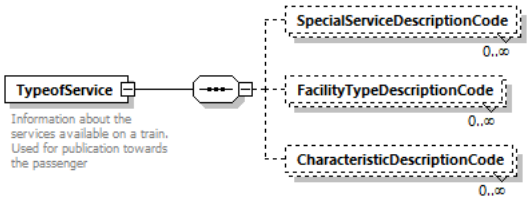
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**TypeOfRequestCode**
used by	elements **PathCanceledMessage PathConfirmedMessage PathDetailsMessage PathDetailsRefusedMessage PathNotAvailableMessage PathRequestMessage ReceiptConfirmationMessage**
annotation	documentation Enumeration for 3 different basic types of the processes in the planning: Study (1), Request (2), Modification (3)
source	<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>

element **TypeOfRUHarmonization**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**TypeOfRUHarmonizationCode**
used by	elements **PathDetailsMessage** **PathRequestMessage**
annotation	documentation Type of RU harmonization: Full, Part, None.

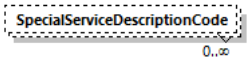
source	`<xs:element name="TypeOfRUHarmonization" type="TypeOfRUHarmonizationCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Type of RU harmonization: Full, Part, None.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **TypeofService**

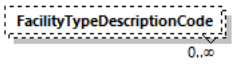
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**SpecialServiceDescriptionCode** **FacilityTypeDescriptionCode** **CharacteristicDescriptionCode**
used by	element **PlannedTrainData**
annotation	documentation Information about the services available on a train. Used for publication towards the passenger

source	`<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>`

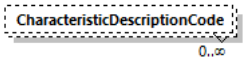
element **TypeofService/SpecialServiceDescriptionCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**tap:type7161CodeList**
properties	minOcc 0 maxOcc unbounded
source	`<xs:element name="SpecialServiceDescriptionCode" type="tap:type7161CodeList" minOccurs="0" maxOccurs="unbounded"/>`

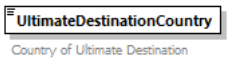
element **TypeofService/FacilityTypeDescriptionCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**tap:type9039CodeList**
properties	minOcc 0 maxOcc unbounded
source	`<xs:element name="FacilityTypeDescriptionCode" type="tap:type9039CodeList" minOccurs="0" maxOccurs="unbounded"/>`

element **TypeofService/CharacteristicDescriptionCode**

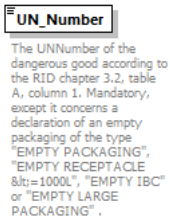
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**tap:type7037CodeList**
properties	minOcc 0 maxOcc unbounded
source	`<xs:element name="CharacteristicDescriptionCode" type="tap:type7037CodeList" minOccurs="0" maxOccurs="unbounded"/>`

element **UltimateDestinationCountry**

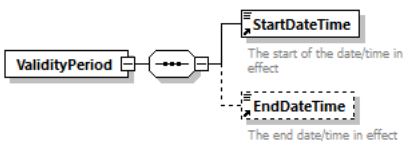
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**CountryIdentISO**
properties	content simple
used by	element **ITU_Details**
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation Country of Ultimate Destination

source	<xs:element name="UltimateDestinationCountry" type="CountryIdentISO"> <xs:annotation> <xs:documentation>Country of Ultimate Destination</xs:documentation> </xs:annotation> </xs:element>

element **UN_Number**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
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 base="xs:string"> <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/3.1
properties	content complex

children	**StartDateTime** **EndDateTime**
used by	elements **PlannedCalendar** **ReferenceTrainIDSubCalendar** **RequestedCalendar**

source

```
<xs:element                                              name="ValidityPeriod">
  <xs:complexType>
    <xs:sequence>
      <xs:element                                        ref="StartDateTime"/>
      <xs:element                ref="EndDateTime"       minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Value**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:decimal**
properties	content simple
used by	elements **Height** **Length** **Width**

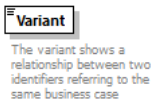
facets

Kind	Value	Annotation
minInclusive	0	
maxInclusive	9999999999	
fractionDigits	1	

source

```
<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>
```

element **Variant**

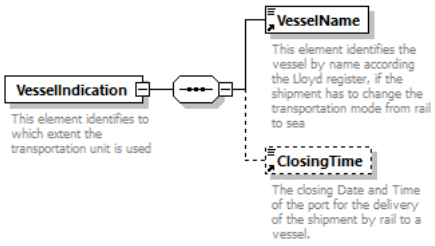
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
used by	complexTypes **CompositIdentifierOperationalType** **CompositIdentifierPlannedType**

facets

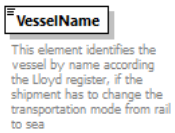
Kind	Value	Annotation
minLength	2	
maxLength	2	
pattern	[0-9A-Z]{2}	

annotation	documentation The variant shows a relationship between two identifiers referring to the same business case
source	<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>

element **VesselIndication**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	VesselName ClosingTime
used by	elements WIMO_Dataset/EventLevelData Ship
annotation	documentation This element identifies to which extent the transportation unit is used
source	<xs:element name="VesselIndication"> <xs:annotation> <xs:documentation>This element identifies to which extent the transportation unit is used</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="VesselName"/> <xs:element ref="ClosingTime" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

element **VesselName**

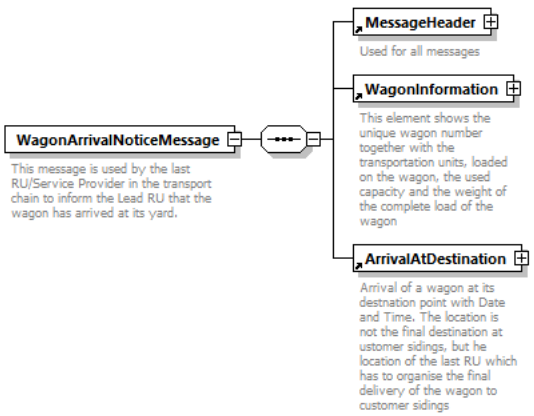
diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Name**
properties	content simple
used by	element **VesselIndication**
facets	Kind Value Annotation maxLength 254
annotation	documentation This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea
source	`<xs:element name="VesselName" type="Name"><xs:annotation><xs:documentation>This element identifies the vessel by name according the Lloyd register, if the shipment has to change the transportation mode from rail to sea</xs:documentation></xs:annotation></xs:element>`

element **Volume**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**VolumeValue**
properties	content simple
annotation	documentation Identifies the volume of a shipment, expressed in cubic metres
source	`<xs:element name="Volume" type="VolumeValue"><xs:annotation><xs:documentation>Identifies the volume of a shipment, expressed in cubic metres</xs:documentation></xs:annotation></xs:element>`

element **WagonArrivalNoticeMessage**

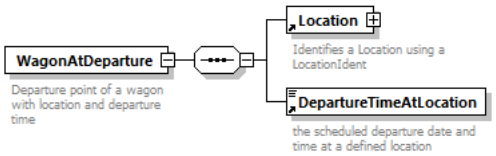
diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **WagonInformation** **ArrivalAtDestination**
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 arrived at its yard.

source

```
<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>
```

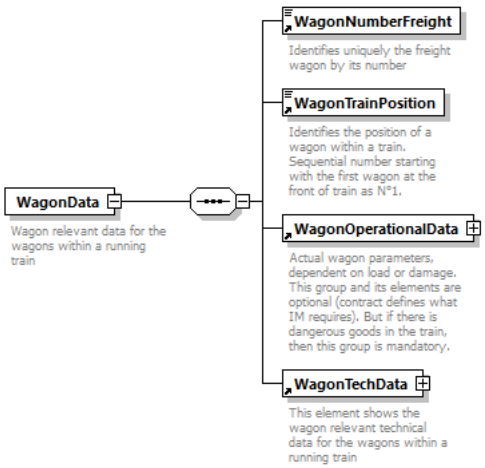
element **WagonAtDeparture**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Location** **DepartureTimeAtLocation**
used by	element **WagonDepartureNoticeMessage**
annotation	documentation Departure point of a wagon with location and departure time

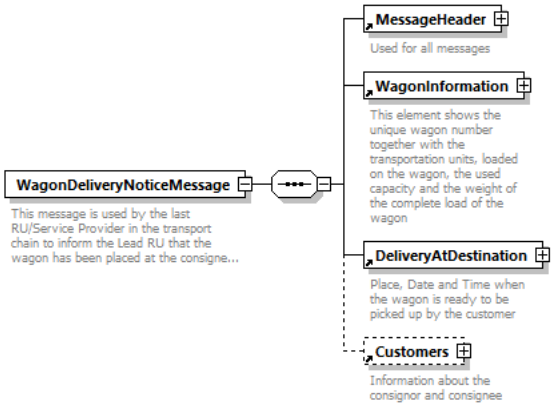
source

```
<xs:element                                                  name="WagonAtDeparture">
  <xs:annotation>
    <xs:documentation>Departure point of a wagon with location and departure
time</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                                  ref="Location"/>
      <xs:element                                        ref="DepartureTimeAtLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonData**

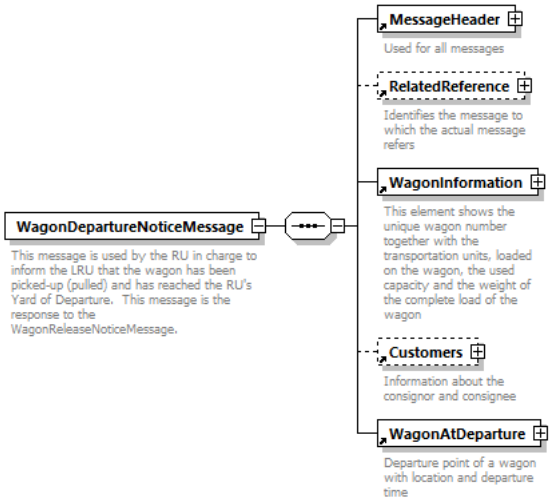
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	WagonNumberFreight WagonTrainPosition WagonOperationalData WagonTechData
used by	element TrainCompositionJourneySection
annotation	documentation Wagon relevant data for the wagons within a running train
source	<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>

element **WagonDeliveryNoticeMessage**

diagram	

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **WagonInformation** **DeliveryAtDestination** **Customers**
annotation	documentation This message is used by the last RU/Service Provider in the transport chain to inform the Lead RU that the wagon has been placed at the consignee's siding.
source	<xs:element name="WagonDeliveryNoticeMessage"> <xs:annotation> <xs:documentation>This message is used by the last RU/Service Provider in the transport chain to inform the Lead RU that the wagon has been placed at the consignee's siding.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="MessageHeader"/> <xs:element ref="WagonInformation"/> <xs:element ref="DeliveryAtDestination"/> <xs:element ref="Customers" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>

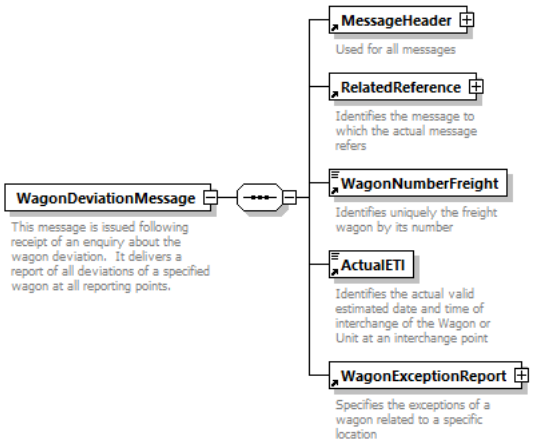
element **WagonDepartureNoticeMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **RelatedReference** **WagonInformation** **Customers** **WagonAtDeparture**
annotation	documentation This message is used by the RU in charge to inform the LRU that the wagon has been picked-up (pulled) and has reached the RU's Yard of Departure. This message is the response to the WagonReleaseNoticeMessage.
source	<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:element                                 ref="WagonAtDeparture"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonDeviationMessage**

diagram



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

properties: content complex

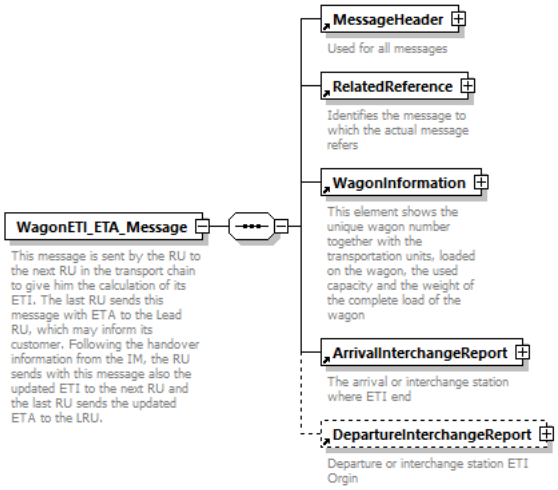
children: **MessageHeader** **RelatedReference** **WagonNumberFreight** **ActualETI** **WagonExceptionReport**

annotation:
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.

source

```
<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:element>
```

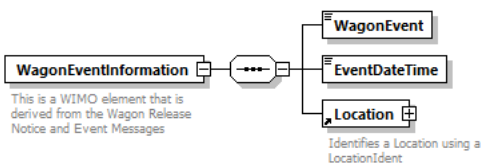
element **WagonETI_ETA_Message**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader RelatedReference WagonInformation ArrivalInterchangeReport DepartureInterchangeReport**
annotation	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.

source

```
<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>
```

element **WagonEventInformation**

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

properties	content complex
children	**WagonEvent EventDateTime Location**
used by	element **WIMO_Dataset/EventLevelData**
annotation	documentation This is a WIMO element that is derived from the Wagon Release Notice and Event Messages

source

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

element **WagonEventInformation/WagonEvent**

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

facets

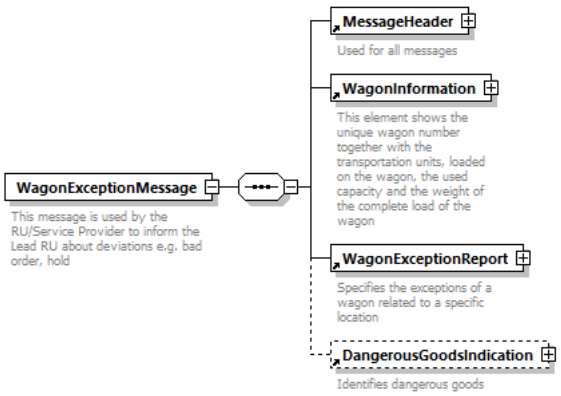
Kind	Value	Annotation
enumeration	Release	
enumeration	Arrival	
enumeration	Departure	
enumeration	Exception	
enumeration	Delivery	
enumeration	InterchangeDelivery	
enumeration	InterchangeReceipt	
enumeration	YardDeparture	
enumeration	YardArrival	

	enumeration DeliveryConfirmation
source	<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>

element **WagonEventInformation/EventDateTime**

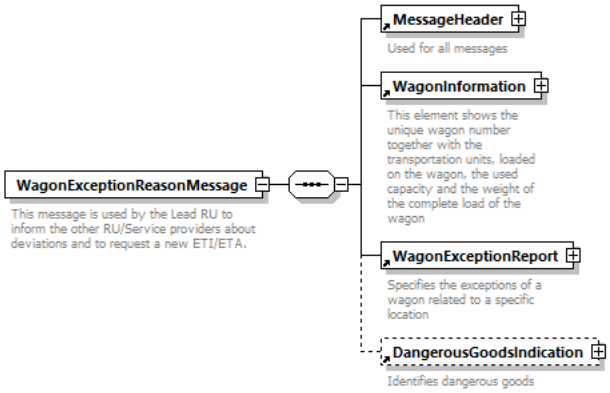
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:dateTime**
properties	content simple
source	<xs:element name="EventDateTime" type="xs:dateTime"/>

element **WagonExceptionMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader WagonInformation WagonExceptionReport DangerousGoodsIndication**
annotation	documentation This message is used by the RU/Service Provider to inform the Lead RU about deviations e.g. bad order, hold
source	<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>
```

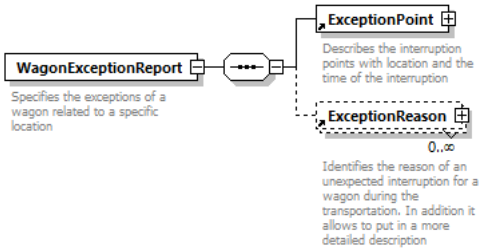
element **WagonExceptionReasonMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **WagonInformation** **WagonExceptionReport** **DangerousGoodsIndication**
annotation	documentation This message is used by the Lead RU to inform the other RU/Service providers about deviations and to request a new ETI/ETA.

source

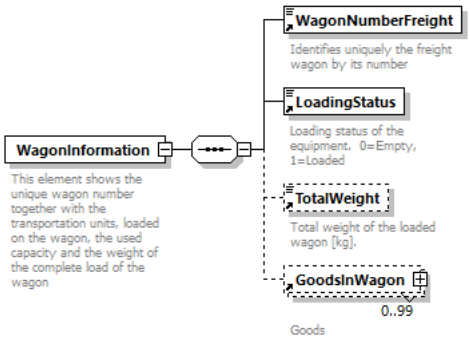
```
<xs:element                                  name="WagonExceptionReasonMessage">
  <xs:annotation>
    <xs:documentation>This message is used by the Lead RU to inform the other
RU/Service providers about deviations and to request a new
ETI/ETA.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <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>
```

element **WagonExceptionReport**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**ExceptionPoint** **ExceptionReason**
used by	elements **WagonDeviationMessage** **WagonExceptionMessage** **WagonExceptionReasonMessage**
annotation	documentation Specifies the exceptions of a wagon related to a specific location

source	`<xs:element name="WagonExceptionReport">`
	`  <xs:annotation>`
	`  <xs:documentation>Specifies the exceptions of a wagon related to a specific location</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element ref="ExceptionPoint"/>`
	`  <xs:element ref="ExceptionReason" minOccurs="0" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

element **WagonInformation**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**WagonNumberFreight** **LoadingStatus** **TotalWeight** **GoodsInWagon**
used by	elements **WIMO_Dataset/ConsignmentLevelData** **WagonArrivalNoticeMessage** **WagonDeliveryNoticeMessage** **WagonDepartureNoticeMessage** **WagonETI_ETA_Message** **WagonExceptionMessage** **WagonExceptionReasonMessage** **WagonReleaseNoticeMessage**
annotation	documentation This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon
source	`<xs:element name="WagonInformation">`

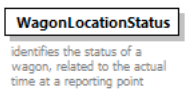
```
  <xs:annotation>
    <xs:documentation>This element shows the unique wagon number together with the transportation units, loaded on the wagon, the used capacity and the weight of the complete load of the wagon</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                    ref="WagonNumberFreight"/>
      <xs:element                                         ref="LoadingStatus"/>
      <xs:element              ref="TotalWeight"              minOccurs="0"/>
      <xs:element    ref="GoodsInWagon"    minOccurs="0"    maxOccurs="99"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonLength**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	content simple
used by	element **Wagons/WagonDetails/WagonTypeDetails**
facets	Kind Value Annotation minInclusive 1 maxInclusive 999999
annotation	documentation Length over buffers in cms

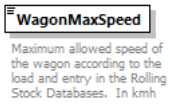
source	`<xs:element name="WagonLength">`
	`  <xs:annotation>`
	`  <xs:documentation>Length over buffers in cms</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:int">`
	`  <xs:minInclusive value="1"/>`
	`  <xs:maxInclusive value="999999"/>`
	`  </xs:restriction>`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

element **WagonLocationStatus**

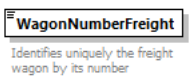
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**RunningStatus**
used by	element **ExceptionPoint**
annotation	documentation identifies the status of a wagon, related to the actual time at a reporting point

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

element **WagonMaxSpeed**

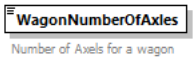
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	content simple
used by	element **WagonOperationalData**
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh
source	<xs:element name="WagonMaxSpeed"> <xs:annotation> <xs:documentation>Maximum allowed speed of the wagon according to the load and entry in the Rolling Stock Databases. In kmh</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="001"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType> </xs:element>

element **WagonNumberFreight**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**WagonIdent**
properties	content simple
used by	elements **RollingStockDataset/AdministrativeDataSet** **AlertMessage** **RollingStockDatasetMessage/RefusedWagonNumbers** **RollingStockDatasetQueryMessage** **WagonData** **WagonDeviationMessage** **WagonInformation** **Wagons** **WagonYardArrivalMessage** **WagonYardDepartureMessage**
facets	Kind Value Annotation maxLength 12 pattern [0-9]{12}

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

element **WagonNumberOfAxles**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	content simple
used by	elements **RollingStockDataset/DesignDataSet** **WagonTechData** **Wagons/WagonDetails/WagonTypeDetails**
facets	Kind Value Annotation minInclusive 2 maxInclusive 99
annotation	documentation Number of Axels for a wagon
source	<xs:element name="WagonNumberOfAxles"> <xs:annotation> <xs:documentation>Number of Axels for a wagon</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:int"> <xs:minInclusive value="2"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType> </xs:element>

element **WagonOperationalData**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**BrakeType** BrakeWeight WagonMaxSpeed ExceptionalGaugingProfile ExceptionalGaugingIdent DangerousGoodsDetails **InfoOnGoodsShapeTypeDanger** RestrictionsDueToLoadOrDamage TotalLoadWeight
used by	element WagonData
annotation	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.

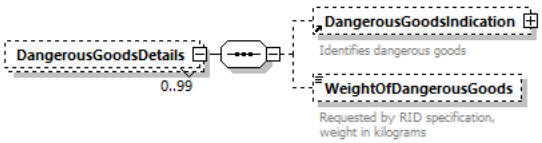
source

```
<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>
```

element **WagonOperationalData/DangerousGoodsDetails**

diagram



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

properties:

minOcc	0
maxOcc	99
content	complex

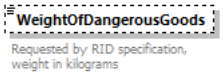
children: **DangerousGoodsIndication** **WeightOfDangerousGoods**

source

```
<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>
```

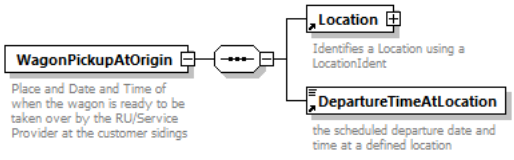
```
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonOperationalData/DangerousGoodsDetails/WeightOfDangerousGoods**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:decimal**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind / Value / Annotation minInclusive 0 maxInclusive 999999 totalDigits 6
annotation	documentation Requested by RID specification, weight in kilograms

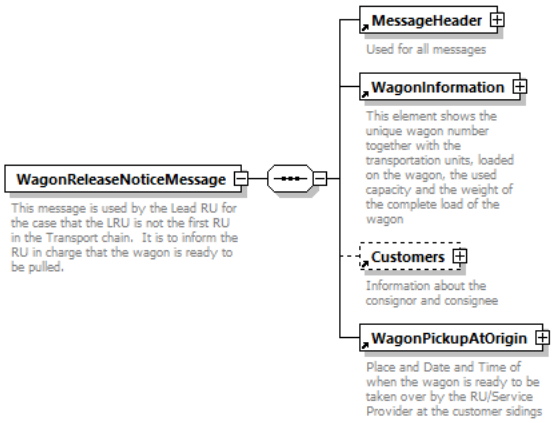
source	`<xs:element name="WeightOfDangerousGoods" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Requested by RID specification, weight in kilograms</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:decimal">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="999999"/>`
	`  <xs:totalDigits value="6"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **WagonPickupAtOrigin**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Location** **DepartureTimeAtLocation**
used by	element **WagonReleaseNoticeMessage**
annotation	documentation Place and Date and Time of when the wagon is ready to be taken over by the RU/Service Provider at the customer sidings
source	`<xs:element name="WagonPickupAtOrigin">` `  <xs:annotation>`

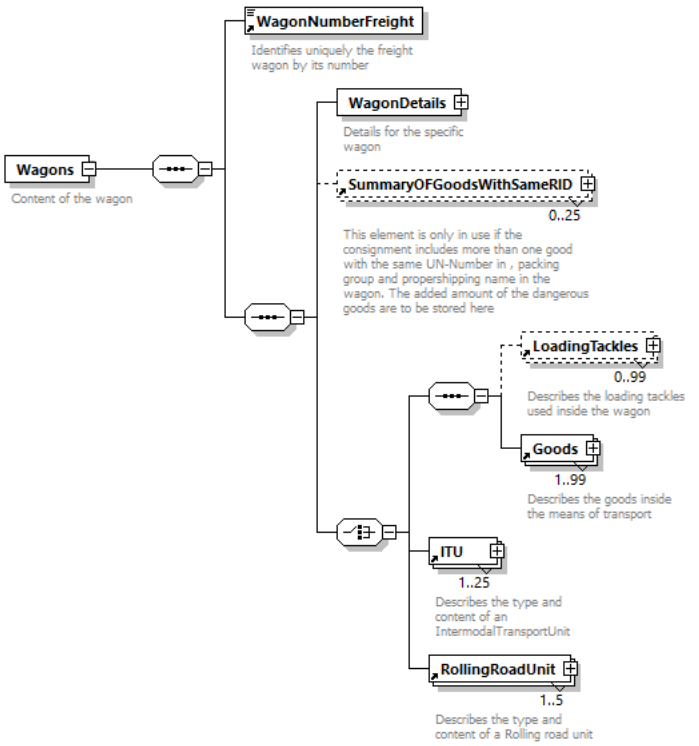
```
    <xs:documentation>Place and Date and Time of when the wagon is ready to be taken over by the RU/Service Provider at the customer sidings</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                    ref="Location"/>
      <xs:element                         ref="DepartureTimeAtLocation"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonReleaseNoticeMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **WagonInformation** **Customers** **WagonPickupAtOrigin**
annotation	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.

source	<pre><xs:element name="WagonReleaseNoticeMessage">
	  <xs:annotation>
	  <xs:documentation>This message is used by the Lead RU for the case that the LRU is not the first RU in the Transport chain. It is to inform the RU in charge that the wagon is ready to be pulled.</xs:documentation>
	  </xs:annotation>
	  <xs:complexType>
	  <xs:sequence>
	  <xs:element ref="MessageHeader"/>
	  <xs:element ref="WagonInformation"/>
	  <xs:element ref="Customers" minOccurs="0"/>
	  <xs:element ref="WagonPickupAtOrigin"/>
	  </xs:sequence>
	  </xs:complexType>
	</xs:element></pre>

element **Wagons**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	WagonNumberFreight WagonDetails SummaryOFGoodsWithSameRID LoadingTackles Goods ITU RollingRoadUnit
used by	element ConsignmentOrderMessage/COMS/COM
annotation	documentation Content of the wagon

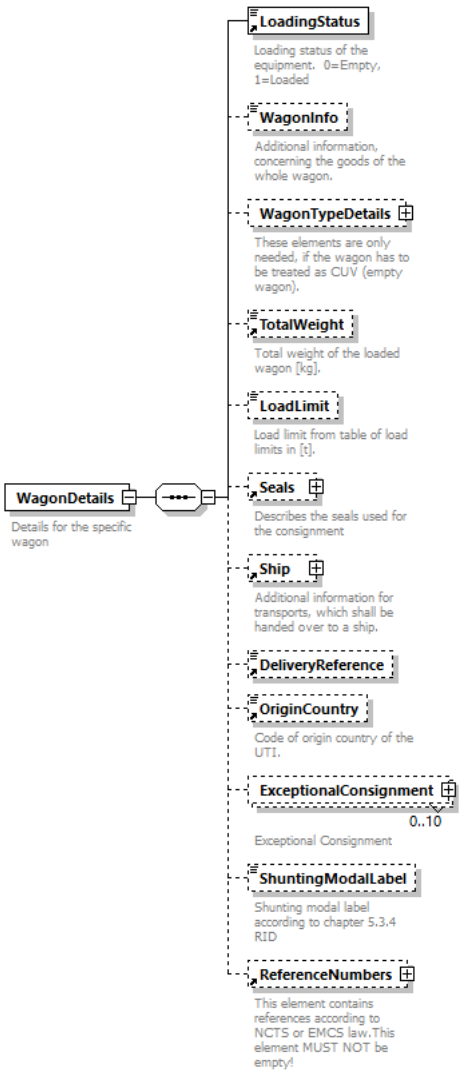
source

```
<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:complexType>
            <xs:sequence>
              <xs:element                                  ref="LoadingStatus"/>
              <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                              base="xs:string">
```

```
                    <xs:maxLength                                value="500"/>
                    <xs:minLength                                  value="1"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element       name="WagonTypeDetails"       minOccurs="0">
                <xs:annotation>
                  <xs:documentation>These elements are only needed, if the
wagon   has   to   be   treated   as   CUV   (empty   wagon).</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element                        ref="WagonWeightEmpty"/>
                    <xs:element                      ref="WagonNumberOfAxles"/>
                    <xs:element                             ref="WagonLength"/>
                  </xs:sequence>
                </xs:complexType>
              </xs:element>
              <xs:element          ref="TotalWeight"          minOccurs="0"/>
              <xs:element           name="LoadLimit"           minOccurs="0">
                <xs:annotation>
                  <xs:documentation>Load limit from table of load limits in
[t].</xs:documentation>
                </xs:annotation>
                <xs:simpleType>
                  <xs:restriction                          base="xs:decimal">
                    <xs:minInclusive                              value="0"/>
                    <xs:totalDigits                               value="4"/>
                  </xs:restriction>
                </xs:simpleType>
              </xs:element>
              <xs:element             ref="Seals"             minOccurs="0">
                <xs:annotation>
                  <xs:documentation>Describes   the   seals   used   for   the
consignment</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element              ref="Ship"             minOccurs="0">
                <xs:annotation>
                  <xs:documentation>Additional   information   for   transports,
which    shall    be    handed    over    to    a    ship.</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element       ref="DeliveryReference"       minOccurs="0"/>
              <xs:element         ref="OriginCountry"         minOccurs="0"/>
              <xs:element     name="ExceptionalConsignment"     minOccurs="0"
maxOccurs="10">
                <xs:annotation>
                  <xs:documentation>Exceptional
Consignment</xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:sequence>
                    <xs:element                              ref="IM_Partner"/>
                    <xs:element                       name="PermissionNumber">
                      <xs:annotation>
                        <xs:documentation>Reference/permission number of the
exceptional                                    consignment.</xs:documentation>
```

```
                    </xs:annotation>
                    <xs:simpleType>
                      <xs:restriction                    base="xs:string">
                        <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
chapter                    5.3.4                    RID</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                          base="xs:token">
                  <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>
```

element **Wagons/WagonDetails**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LoadingStatus WagonInfo WagonTypeDetails TotalWeight LoadLimit Seals Ship DeliveryReference OriginCountry ExceptionalConsignment ShuntingModalLabel ReferenceNumbers
annotation	documentation Details for the specific wagon

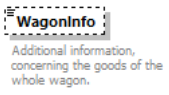
source

```
<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
the                whole                wagon.                </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:element          name="WagonTypeDetails"          minOccurs="0">
        <xs:annotation>
          <xs:documentation>These elements are only needed, if the wagon has
to    be    treated    as    CUV    (empty    wagon).</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element                                ref="WagonWeightEmpty"/>
            <xs:element                               ref="WagonNumberOfAxles"/>
            <xs:element                                     ref="WagonLength"/>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element             ref="TotalWeight"             minOccurs="0"/>
      <xs:element              name="LoadLimit"             minOccurs="0">
        <xs:annotation>
          <xs:documentation>Load  limit  from  table  of  load  limits  in
[t].</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                 base="xs:decimal">
            <xs:minInclusive                                     value="0"/>
            <xs:totalDigits                                      value="4"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element                ref="Seals"                minOccurs="0">
        <xs:annotation>
          <xs:documentation>Describes    the    seals    used    for    the
consignment</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element                ref="Ship"                 minOccurs="0">
        <xs:annotation>
          <xs:documentation>Additional  information  for  transports,  which
shall    be    handed    over    to    a    ship.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element          ref="DeliveryReference"          minOccurs="0"/>
      <xs:element            ref="OriginCountry"            minOccurs="0"/>
      <xs:element name="ExceptionalConsignment" minOccurs="0" maxOccurs="10">
        <xs:annotation>
          <xs:documentation>Exceptional       Consignment</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element                                      ref="IM_Partner"/>
            <xs:element                                 name="PermissionNumber">
              <xs:annotation>
                <xs:documentation>Reference/permission    number    of    the
exceptional                                  consignment.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
```

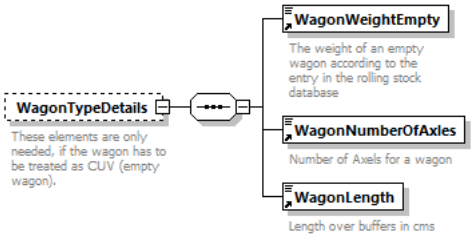
```
                <xs:restriction                                    base="xs:string">
                  <xs:minLength                                      value="1"/>
                  <xs:maxLength                                      value="24"/>
                </xs:restriction>
              </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 chapter 5.3.4
RID</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                    base="xs:token">
            <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>
```

element **Wagons/WagonDetails/WagonInfo**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 500
annotation	documentation Additional information, concerning the goods of the whole wagon.

```
<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                                    base="xs:string">
      <xs:maxLength                                      value="500"/>
      <xs:minLength                                      value="1"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **Wagons/WagonDetails/WagonTypeDetails**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
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	`<xs:element name="WagonTypeDetails" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>These elements are only needed, if the wagon has to be treated as CUV (empty wagon).</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexType>`
	`<xs:sequence>`
	`<xs:element ref="WagonWeightEmpty"/>`
	`<xs:element ref="WagonNumberOfAxles"/>`
	`<xs:element ref="WagonLength"/>`
	`</xs:sequence>`
	`</xs:complexType>`
	`</xs:element>`

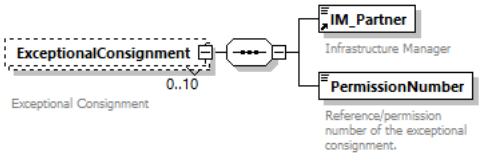
element **Wagons/WagonDetails/LoadLimit**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:decimal**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0 totalDigits 4
annotation	documentation Load limit from table of load limits in [t].

source	`<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>
```

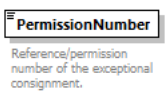
element **Wagons/WagonDetails/ExceptionalConsignment**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc 10 content complex
children	**IM_Partner PermissionNumber**
annotation	documentation Exceptional Consignment

source

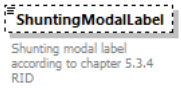
```
<xs:element   name="ExceptionalConsignment"   minOccurs="0"   maxOccurs="10">
  <xs:annotation>
    <xs:documentation>Exceptional             Consignment</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                          ref="IM_Partner"/>
      <xs:element                                       name="PermissionNumber">
        <xs:annotation>
          <xs:documentation>Reference/permission number of the exceptional
consignment.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                    base="xs:string">
            <xs:minLength                                          value="1"/>
            <xs:maxLength                                         value="24"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **Wagons/WagonDetails/ExceptionalConsignment/PermissionNumber**

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

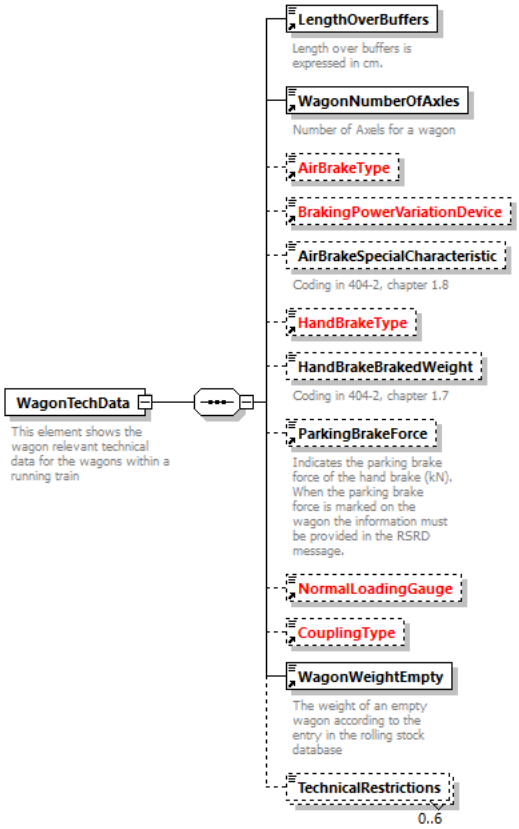
facets	Kind Value Annotation minLength 1 maxLength 24
annotation	documentation Reference/permission number of the exceptional consignment.
source	<xs:element name="PermissionNumber"> <xs:annotation> <xs:documentation>Reference/permission number of the exceptional consignment.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="24"/> </xs:restriction> </xs:simpleType> </xs:element>

element **Wagons/WagonDetails/ShuntingModalLabel**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation enumeration 13 enumeration 15
annotation	documentation Shunting modal label according to chapter 5.3.4 RID
source	<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 base="xs:token"> <xs:enumeration value="13"/> <xs:enumeration value="15"/> </xs:restriction> </xs:simpleType> </xs:element>

element **WagonTechData**

diagram



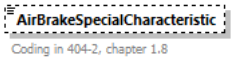
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	LengthOverBuffers WagonNumberOfAxles **AirBrakeType** **BrakingPowerVariationDevice** AirBrakeSpecialCharacteristic **HandBrakeType** HandBrakeBrakedWeight ParkingBrakeForce **NormalLoadingGauge** **CouplingType** WagonWeightEmpty TechnicalRestrictions
used by	element WagonData
annotation	documentation This element shows the wagon relevant technical data for the wagons within a running train

source

```
<xs:element                                                name="WagonTechData">
  <xs:annotation>
    <xs:documentation>This element shows the wagon relevant technical data
for     the     wagons     within     a     running     train</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element                                        ref="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="ParkingBrakeForce"          minOccurs="0"/>
      <xs:element          ref="NormalLoadingGauge"         minOccurs="0"/>
      <xs:element             ref="CouplingType"            minOccurs="0"/>
      <xs:element                                  ref="WagonWeightEmpty"/>
      <xs:element       name="TechnicalRestrictions"       type="Numeric2-2"
minOccurs="0"                                              maxOccurs="6"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

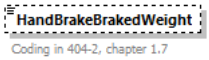
element **WagonTechData/AirBrakeSpecialCharacteristic**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 0 maxInclusive 9
annotation	documentation Coding in 404-2, chapter 1.8

source

```
<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>
```

element **WagonTechData/HandBrakeBrakedWeight**

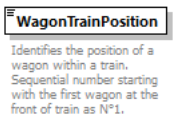
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minInclusive 000 maxInclusive 999
annotation	documentation Coding in 404-2, chapter 1.7

source	`<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>`

element **WagonTechData/TechnicalRestrictions**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric2-2**
properties	minOcc 0 maxOcc 6 content simple
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
source	`<xs:element name="TechnicalRestrictions" type="Numeric2-2" minOccurs="0" maxOccurs="6"/>`

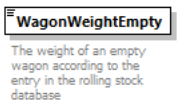
element **WagonTrainPosition**

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

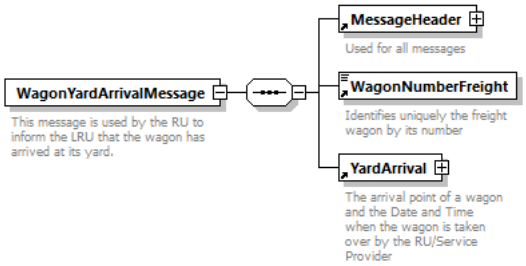
source	`<xs:element name="WagonTrainPosition">`
	`<xs:annotation>`
	`<xs:documentation>Identifies the position of a wagon within a train. Sequential number starting with the first wagon at the front of train as N°1.</xs:documentation>`
	`</xs:annotation>`
	`<xs:simpleType>`
	`<xs:restriction base="xs:int">`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

element **WagonWeightEmpty**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**WeightValueKilo**
properties	content simple
used by	elements **RollingStockDataset/DesignDataSet** **WagonTechData** **Wagons/WagonDetails/WagonTypeDetails**
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation The weight of an empty wagon according to the entry in the rolling stock database

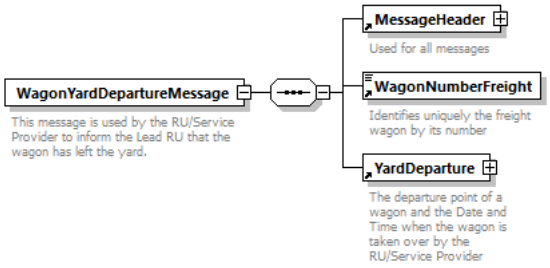
source	`<xs:element name="WagonWeightEmpty" type="WeightValueKilo">`
	`<xs:annotation>`
	`<xs:documentation>The weight of an empty wagon according to the entry in the rolling stock database</xs:documentation>`
	`</xs:annotation>`
	`</xs:element>`

element **WagonYardArrivalMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **WagonNumberFreight** **YardArrival**
annotation	documentation This message is used by the RU to inform the LRU that the wagon has arrived at its yard.

source	`<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>`

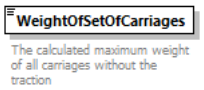
element **WagonYardDepartureMessage**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**MessageHeader** **WagonNumberFreight** **YardDeparture**
annotation	documentation This message is used by the RU/Service Provider to inform the Lead RU that the wagon has left the yard.

source	`<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>`

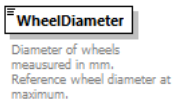
```
      <xs:element                                    ref="MessageHeader"/>
      <xs:element                                ref="WagonNumberFreight"/>
      <xs:element                                    ref="YardDeparture"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WeightOfSetOfCarriages**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**WeightValueTonne**
properties	content simple
used by	element **PlannedTrainTechnicalData**
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999
annotation	documentation The calculated maximum weight of all carriages without the traction

source	`<xs:element name="WeightOfSetOfCarriages" type="WeightValueTonne">`
	`  <xs:annotation>`
	`  <xs:documentation>The calculated maximum weight of all carriages without the traction</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

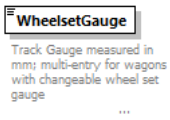
element **WheelDiameter**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1 maxInclusive 9999
annotation	documentation Diameter of wheels meausured in mm. Reference wheel diameter at maximum.

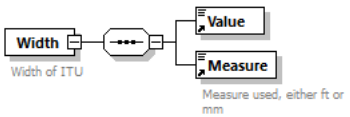
source	`<xs:element name="WheelDiameter">`
	`  <xs:annotation>`
	`  <xs:documentation>Diameter of wheels meausured in mm. Reference wheel diameter at maximum.`

```
                    </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>
```

element **WheelsetGauge**

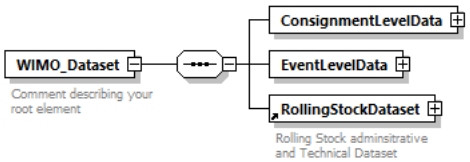
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
used by	element **RollingStockDataset/DesignDataSet**
facets	Kind Value Annotation minInclusive 1 maxInclusive 9999
annotation	documentation Track Gauge measured in mm; multi-entry for wagons with changeable wheel set gauge
source	<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>

element **Width**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Value Measure**

used by	element **Dimensions** complexType **DimensionValue**
annotation	documentation Width of ITU
source	<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>

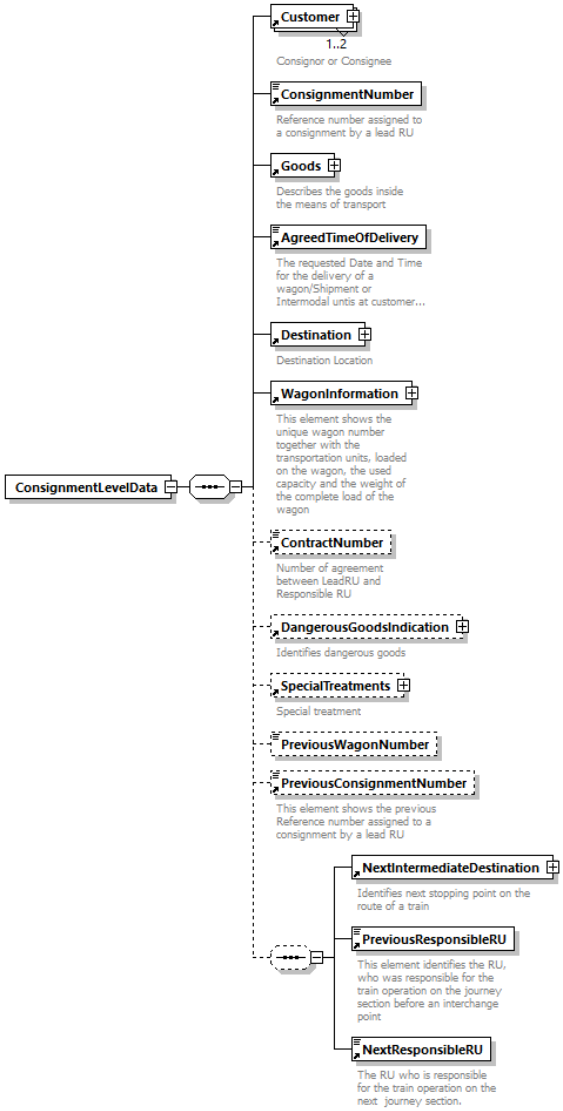
element **WIMO_Dataset**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**ConsignmentLevelData** **EventLevelData** **RollingStockDataset**
annotation	documentation Comment describing your root element
source	<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 minOccurs="0"> <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:element                                  ref="RollingStockDataset"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WIMO_Dataset/ConsignmentLevelData**

diagram



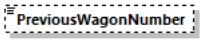
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

properties	content complex
children	Customer ConsignmentNumber Goods AgreedTimeOfDelivery Destination WagonInformation ContractNumber DangerousGoodsIndication SpecialTreatments PreviousWagonNumber PreviousConsignmentNumber NextIntermediateDestination PreviousResponsibleRU NextResponsibleRU

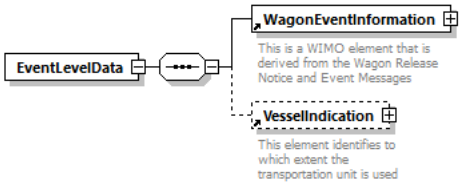
source

```
<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                                           minOccurs="0">
        <xs:element                          ref="NextIntermediateDestination"/>
        <xs:element                                ref="PreviousResponsibleRU"/>
        <xs:element                                    ref="NextResponsibleRU"/>
      </xs:sequence>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WIMO_Dataset/ConsignmentLevelData/PreviousWagonNumber**

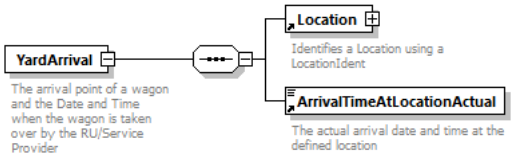
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	WagonIdent
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 12 pattern [0-9]{12}
source	`<xs:element name="PreviousWagonNumber" type="WagonIdent" minOccurs="0"/>`

element **WIMO_Dataset/EventLevelData**

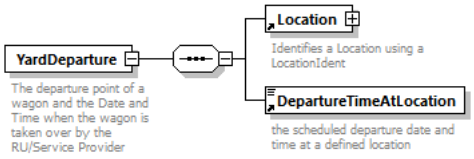
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1

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

element **YardArrival**

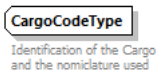
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Location** **ArrivalTimeAtLocationActual**
used by	element **WagonYardArrivalMessage**
annotation	documentation The arrival point of a wagon and the Date and Time when the wagon is taken over by the RU/Service Provider
source	<xs:element name="YardArrival"> <xs:annotation> <xs:documentation>The arrival point of a wagon and the Date and Time when the wagon is taken over by the RU/Service Provider</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="Location"/> <xs:element ref="ArrivalTimeAtLocationActual"/> </xs:sequence> </xs:complexType> </xs:element>

element **YardDeparture**

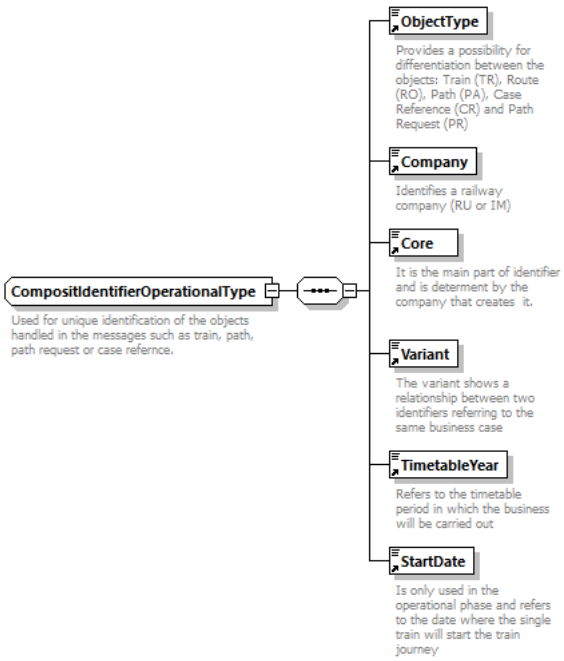
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**Location** **DepartureTimeAtLocation**
used by	element **WagonYardDepartureMessage**

annotation	documentation The departure point of a wagon and the Date and Time when the wagon is taken over by the RU/Service Provider
source	<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>

complexType **CargoCodeType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **FreeText**
properties	base FreeText
facets	Kind Value Annotation minLength 1 maxLength 255
annotation	documentation Identification of the Cargo and the nomiclature used
source	<xs:complexType name="CargoCodeType"> <xs:annotation> <xs:documentation>Identification of the Cargo and the nomiclature used</xs:documentation> </xs:annotation> <xs:simpleContent> <xs:extension base="FreeText"/> </xs:simpleContent> </xs:complexType>

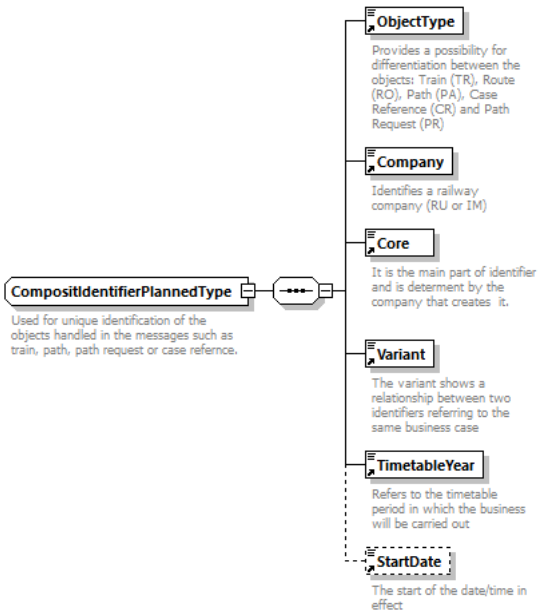
complexType **CompositIdentifierOperationalType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	**ObjectType Company Core Variant TimetableYear StartDate**
used by	elements **RelatedTransportOperationalIdentifiers TrainID TransportOperationalIdentifiers**
annotation	documentation Used for unique identification of the objects handled in the messages such as train, path, path request or case refernce.

source

```
<xs:complexType                    name="CompositIdentifierOperationalType">
  <xs:annotation>
    <xs:documentation>Used for unique identification of the objects handled
in the messages such as train, path, path request or case refernce.</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>
```

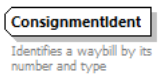
complexType **CompositIdentifierPlannedType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	**ObjectType Company Core Variant TimetableYear StartDate**
used by	elements **AssociatedAttachedTrainID PlannedTransportIdentifiers RelatedPlannedTransportIdentifiers**
annotation	documentation Used for unique identification of the objects handled in the messages such as train, path, path request or case refernce.

source

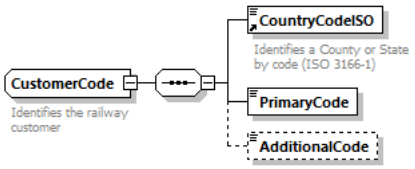
```
<xs:complexType                                    name="CompositIdentifierPlannedType">
  <xs:annotation>
    <xs:documentation>Used for unique identification of the objects handled
in   the   messages   such   as   train,   path,   path   request   or   case
refernce.</xs:documentation>
  </xs:annotation>
  <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>
```

complexType **ConsignmentIdent**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	extension of **xs:string**
properties	base xs:string
used by	elements **ConsignmentNumber PreviousConsignmentNumber**

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

complexType **CustomerCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	**CountryCodeISO** **PrimaryCode** **AdditionalCode**
used by	element **Customer**
annotation	documentation Identifies the railway customer
source	<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>

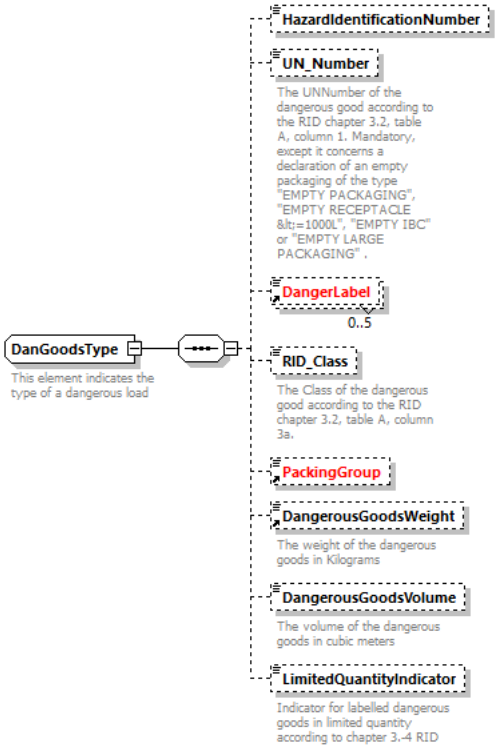
element **CustomerCode/PrimaryCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**String1-14**
properties	content simple
facets	Kind Value Annotation minLength 1 maxLength 14
source	<xs:element name="PrimaryCode" type="String1-14"/>

element **CustomerCode/AdditionalCode**

diagram	AdditionalCode
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	String1-7
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 7
source	<xs:element name="AdditionalCode" type="String1-7" minOccurs="0"/>

complexType **DanGoodsType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	HazardIdentificationNumber UN_Number **DangerLabel** RID_Class **PackingGroup** DangerousGoodsWeight DangerousGoodsVolume LimitedQuantityIndicator
used by	element DangerousGoodsIndication
annotation	documentation This element indicates the type of a dangerous load
source	<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                                    base="xs:string">
          <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                                    base="xs:string">
          <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
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>
    <xs:element              ref="PackingGroup"              minOccurs="0"/>
    <xs:element          ref="DangerousGoodsWeight"          minOccurs="0">
      <xs:annotation>
        <xs:documentation>The    weight    of    the    dangerous    goods    in
Kilograms</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="DangerousGoodsVolume" type="VolumeValue" minOccurs="0">
      <xs:annotation>
        <xs:documentation>The  volume  of  the  dangerous  goods  in  cubic
meters</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element      name="LimitedQuantityIndicator"      type="xs:boolean"
minOccurs="0">
      <xs:annotation>
        <xs:documentation>Indicator for labelled dangerous goods in limited
quantity     according     to     chapter     3.-4     RID</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

element **DanGoodsType/HazardIdentificationNumber**

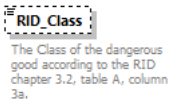
diagram	HazardIdentificationNumber
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 2 maxLength 4
source	<xs:element name="HazardIdentificationNumber" minOccurs="0"> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="2"/> <xs:maxLength value="4"/> </xs:restriction> </xs:simpleType> </xs:element>

element **DanGoodsType/UN_Number**

diagram	UN_Number The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
used by	element **SummaryOFGoodsWithSameRID**
facets	Kind Value Annotation length 4 pattern \d*[1-9]\d*
annotation	documentation The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1. Mandatory, except it concerns a declaration of an empty packaging of the type "EMPTY PACKAGING", "EMPTY RECEPTACLE <=1000L", "EMPTY IBC" or "EMPTY LARGE PACKAGING" .
source	<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>
```

element **DanGoodsType/RID_Class**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation minLength 1 maxLength 4
annotation	documentation The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.

source	`<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>`

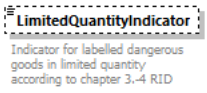
element **DanGoodsType/DangerousGoodsVolume**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**VolumeValue**
properties	minOcc 0 maxOcc 1 content simple
used by	element **SummaryOFGoodsWithSameRID**
annotation	documentation The volume of the dangerous goods in cubic meters

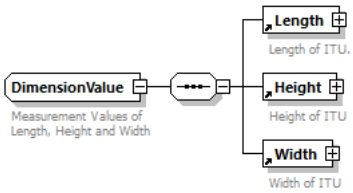
source	`<xs:element name="DangerousGoodsVolume" type="VolumeValue" minOccurs="0">`
	`<xs:annotation>`
	`<xs:documentation>The volume of the dangerous goods in cubic meters</xs:documentation>`

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

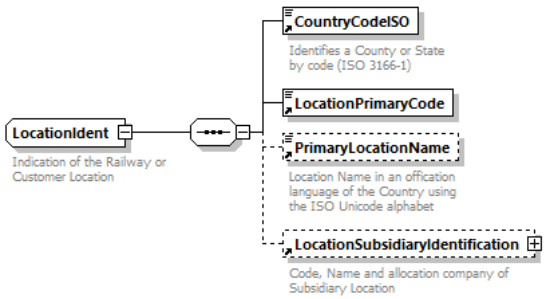
element **DanGoodsType/LimitedQuantityIndicator**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID
source	<xs:element name="LimitedQuantityIndicator" type="xs:boolean" minOccurs="0"> <xs:annotation> <xs:documentation>Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID</xs:documentation> </xs:annotation> </xs:element>

complexType **DimensionValue**

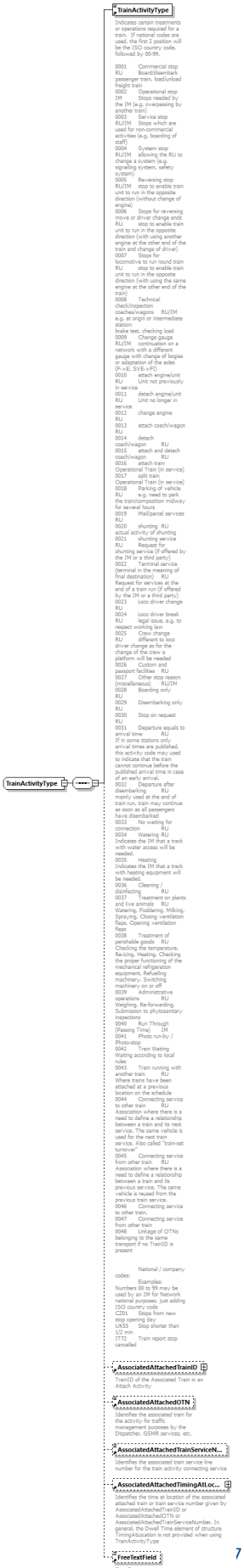
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	**Length Height Width**
annotation	documentation Measurement Values of Length, Height and Width
source	<xs:complexType name="DimensionValue"> <xs:annotation> <xs:documentation>Measurement Values of Length, Height and Width</xs:documentation> </xs:annotation> <xs:sequence> <xs:element ref="Length"/> <xs:element ref="Height"/> <xs:element ref="Width"/> </xs:sequence> </xs:complexType>

complexType **LocationIdent**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	CountryCodeISO LocationPrimaryCode PrimaryLocationName LocationSubsidiaryIdentification
used by	elements TrainRunningData/Activities/ActivityLocationIdent ArrivalTrackAtLocation DelayLocation DepartureJourneyTrack DepartureTrackAtLocation Destination ConsignmentOrderMessage/COMS/COM/RU_Declarations/DifferentAcceptance/DifferentAcceptancePoint EndLocation AffectedSection/EndOfSection IntermediateDestination JourneySectionDestination JourneySectionOrigin Location LocationActualTrack LocationPlannedTrack NetworkProjectedLocation/NextLocation TrainInformation/PathPlanningReferenceLocation PlannedJourneyLocation StartLocation AffectedSection/StartOfSection Station TrainReadyMessage/TrainLocation TransferPoint
annotation	documentation Indication of the Railway or Customer Location
source	<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>

complexType **TrainActivityType**

diagram

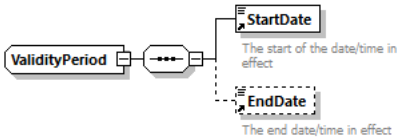

TrainActivityType
TrainActivityType
AssociatedAttachedTrainID
AssociatedAttachedOTN
AssociatedAttachedTrainServiceN...
AssociatedAttachedTimingAtLoc...
FreeTextField

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	TrainActivityType AssociatedAttachedTrainID AssociatedAttachedOTN AssociatedAttachedTrainServiceNumber AssociatedAttachedTimingAtLocation FreeTextField
used by	element TrainActivity

source

```
<xs:complexType                                              name="TrainActivityType">
  <xs:sequence>
    <xs:element                                              ref="TrainActivityType"/>
    <xs:element        ref="AssociatedAttachedTrainID"       minOccurs="0"/>
    <xs:element          ref="AssociatedAttachedOTN"         minOccurs="0"/>
    <xs:element  ref="AssociatedAttachedTrainServiceNumber"  minOccurs="0"/>
    <xs:element   ref="AssociatedAttachedTimingAtLocation"   minOccurs="0"/>
    <xs:element              ref="FreeTextField"             minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

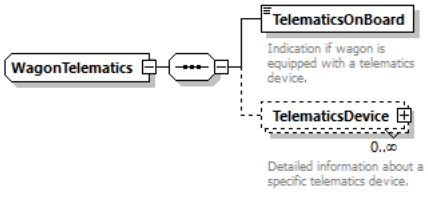
complexType **ValidityPeriod**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	StartDate EndDate
used by	elements LocationPrimaryInformation/FreightValidityPeriod LocationValidityPeriod LocationPrimaryInformation/PassengerValidityPeriod

source

```
<xs:complexType                                          name="ValidityPeriod">
  <xs:sequence>
    <xs:element                                          ref="StartDate"/>
    <xs:element              ref="EndDate"               minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

complexType **WagonTelematics**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
children	TelematicsOnBoard TelematicsDevice
used by	element RollingStockDataset/DesignDataSet/WagonTelematics

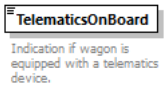
source

```
<xs:complexType                                          name="WagonTelematics">
  <xs:sequence>
    <xs:element          name="TelematicsOnBoard"        type="xs:boolean">
      <xs:annotation>
        <xs:documentation xml:lang="en">Indication if wagon is equipped with
```

```
a telematics device.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="TelematicsDevice" minOccurs="0" maxOccurs="unbounded">
      <xs:annotation>
        <xs:documentation xml:lang="en">Detailed information about a specific
telematics device.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="DeviceType">
            <xs:annotation>
              <xs:documentation xml:lang="en">Specification of type of
telematics device.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="Telematics Unit"/>
                <xs:enumeration value="Sensor"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="ComponentMounted" minOccurs="0">
            <xs:annotation>
              <xs:documentation xml:lang="en">Indication of the component to
which the telematics unit is attached.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
              <xs:restriction base="xs:string">
                <xs:enumeration value="Superstructure"/>
                <xs:enumeration value="Tank"/>
                <xs:enumeration value="End wall"/>
                <xs:enumeration value="Side wall"/>
                <xs:enumeration value="Marking plate"/>
                <xs:enumeration value="Frame"/>
                <xs:enumeration value="Headstock"/>
                <xs:enumeration value="Saddle plate"/>
                <xs:enumeration value="Longitudinal beam"/>
                <xs:enumeration value="Latitudinal beam"/>
                <xs:enumeration value="Hitch"/>
                <xs:enumeration value="Bogie"/>
                <xs:enumeration value="Axle"/>
                <xs:enumeration value="Axle box"/>
                <xs:enumeration value="Lift off protection"/>
                <xs:enumeration value="Brake system"/>
                <xs:enumeration value="Brake blocks"/>
                <xs:enumeration value="Air pipes"/>
                <xs:enumeration value="Brake valves"/>
              </xs:restriction>
            </xs:simpleType>
          </xs:element>
          <xs:element name="MountedPosition" minOccurs="0"
maxOccurs="unbounded">
            <xs:annotation>
              <xs:documentation xml:lang="en">Indication of where the
telematics unit is located on the component.</xs:documentation>
            </xs:annotation>
            <xs:simpleType>
```

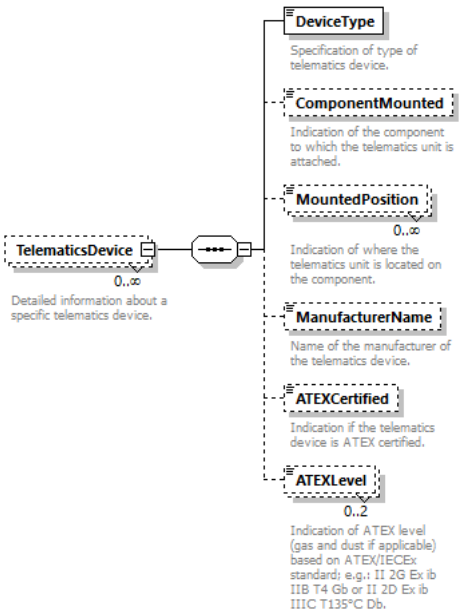
```
                <xs:restriction                                  base="xs:string">
                  <xs:enumeration                                   value="Side"/>
                  <xs:enumeration                                    value="Top"/>
                  <xs:enumeration                                 value="Bottom"/>
                  <xs:enumeration                                 value="Inside"/>
                  <xs:enumeration                                   value="Left"/>
                  <xs:enumeration                                  value="Right"/>
                  <xs:enumeration                                 value="Center"/>
                  <xs:enumeration          value="Below           isolation"/>
                  <xs:enumeration        value="Hand        brake        end"/>
                  <xs:enumeration        value="Non         brake        end"/>
                  <xs:enumeration                                     value="1"/>
                  <xs:enumeration                                     value="2"/>
                  <xs:enumeration                                     value="3"/>
                  <xs:enumeration                                     value="4"/>
                  <xs:enumeration                                     value="5"/>
                  <xs:enumeration                                     value="6"/>
                  <xs:enumeration                                     value="7"/>
                  <xs:enumeration                                     value="8"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element         name="ManufacturerName"          minOccurs="0">
              <xs:annotation>
                <xs:documentation xml:lang="en">Name of the manufacturer of the
telematics                                          device.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                                  base="xs:string">
                  <xs:maxLength                                     value="255"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
            <xs:element  name="ATEXCertified"  type="xs:boolean"  minOccurs="0">
              <xs:annotation>
                <xs:documentation  xml:lang="en">Indication  if  the  telematics
device            is            ATEX            certified.</xs:documentation>
              </xs:annotation>
            </xs:element>
            <xs:element    name="ATEXLevel"    minOccurs="0"    maxOccurs="2">
              <xs:annotation>
                <xs:documentation xml:lang="en">Indication of ATEX level (gas
and dust if applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB
T4    Gb    or    II    2D    Ex    ib    IIIC    T135°C    Db.</xs:documentation>
              </xs:annotation>
              <xs:simpleType>
                <xs:restriction                                  base="xs:string">
                  <xs:maxLength                                       value="50"/>
                </xs:restriction>
              </xs:simpleType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
```

element **WagonTelematics/TelematicsOnBoard**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	content simple
annotation	documentation Indication if wagon is equipped with a telematics device.

source	`<xs:element name="TelematicsOnBoard" type="xs:boolean">`
	`  <xs:annotation>`
	`  <xs:documentation xml:lang="en">Indication if wagon is equipped with a telematics device.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonTelematics/TelematicsDevice**

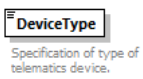
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	minOcc 0 maxOcc unbounded content complex
children	**DeviceType ComponentMounted MountedPosition ManufacturerName ATEXCertified ATEXLevel**
annotation	documentation Detailed information about a specific telematics device.

source	`<xs:element name="TelematicsDevice" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation xml:lang="en">Detailed information about a specific telematics device.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`

```
    <xs:sequence>
      <xs:element name="DeviceType">
        <xs:annotation>
          <xs:documentation xml:lang="en">Specification of type of telematics
device.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="Telematics Unit"/>
            <xs:enumeration value="Sensor"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ComponentMounted" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">Indication of the component to
which the telematics unit is attached.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="Superstructure"/>
            <xs:enumeration value="Tank"/>
            <xs:enumeration value="End wall"/>
            <xs:enumeration value="Side wall"/>
            <xs:enumeration value="Marking plate"/>
            <xs:enumeration value="Frame"/>
            <xs:enumeration value="Headstock"/>
            <xs:enumeration value="Saddle plate"/>
            <xs:enumeration value="Longitudinal beam"/>
            <xs:enumeration value="Latitudinal beam"/>
            <xs:enumeration value="Hitch"/>
            <xs:enumeration value="Bogie"/>
            <xs:enumeration value="Axle"/>
            <xs:enumeration value="Axle box"/>
            <xs:enumeration value="Lift off protection"/>
            <xs:enumeration value="Brake system"/>
            <xs:enumeration value="Brake blocks"/>
            <xs:enumeration value="Air pipes"/>
            <xs:enumeration value="Brake valves"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="MountedPosition" minOccurs="0" maxOccurs="unbounded">
        <xs:annotation>
          <xs:documentation xml:lang="en">Indication of where the telematics
unit is located on the component.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:enumeration value="Side"/>
            <xs:enumeration value="Top"/>
            <xs:enumeration value="Bottom"/>
            <xs:enumeration value="Inside"/>
            <xs:enumeration value="Left"/>
            <xs:enumeration value="Right"/>
            <xs:enumeration value="Center"/>
            <xs:enumeration value="Below isolation"/>
            <xs:enumeration value="Hand brake end"/>
```

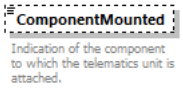
```
            <xs:enumeration value="Non brake end"/>
            <xs:enumeration value="1"/>
            <xs:enumeration value="2"/>
            <xs:enumeration value="3"/>
            <xs:enumeration value="4"/>
            <xs:enumeration value="5"/>
            <xs:enumeration value="6"/>
            <xs:enumeration value="7"/>
            <xs:enumeration value="8"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ManufacturerName" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">Name of the manufacturer of the
telematics device.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="255"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="ATEXCertified" type="xs:boolean" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">Indication if the telematics device
is ATEX certified.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="ATEXLevel" minOccurs="0" maxOccurs="2">
        <xs:annotation>
          <xs:documentation xml:lang="en">Indication of ATEX level (gas and
dust if applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB T4 Gb
or II 2D Ex ib IIIC T135°C Db.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:maxLength value="50"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **WagonTelematics/TelematicsDevice/DeviceType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind: enumeration — Value: Telematics Unit — Annotation

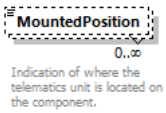
	enumeration Sensor
annotation	documentation Specification of type of telematics device.
source	<xs:element name="DeviceType"> <xs:annotation> <xs:documentation xml:lang="en">Specification of type of telematics device.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Telematics Unit"/> <xs:enumeration value="Sensor"/> </xs:restriction> </xs:simpleType> </xs:element>

element **WagonTelematics/TelematicsDevice/ComponentMounted**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation enumeration Superstructure enumeration Tank enumeration End wall enumeration Side wall enumeration Marking plate enumeration Frame enumeration Headstock enumeration Saddle plate enumeration Longitudinal beam enumeration Latitudinal beam enumeration Hitch enumeration Bogie enumeration Axle enumeration Axle box enumeration Lift off protection enumeration Brake system enumeration Brake blocks enumeration Air pipes enumeration Brake valves
annotation	documentation Indication of the component to which the telematics unit is attached.
source	<xs:element name="ComponentMounted" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="en">Indication of the component to which the

```
telematics unit is attached.</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:enumeration value="Superstructure"/>
      <xs:enumeration value="Tank"/>
      <xs:enumeration value="End wall"/>
      <xs:enumeration value="Side wall"/>
      <xs:enumeration value="Marking plate"/>
      <xs:enumeration value="Frame"/>
      <xs:enumeration value="Headstock"/>
      <xs:enumeration value="Saddle plate"/>
      <xs:enumeration value="Longitudinal beam"/>
      <xs:enumeration value="Latitudinal beam"/>
      <xs:enumeration value="Hitch"/>
      <xs:enumeration value="Bogie"/>
      <xs:enumeration value="Axle"/>
      <xs:enumeration value="Axle box"/>
      <xs:enumeration value="Lift off protection"/>
      <xs:enumeration value="Brake system"/>
      <xs:enumeration value="Brake blocks"/>
      <xs:enumeration value="Air pipes"/>
      <xs:enumeration value="Brake valves"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **WagonTelematics/TelematicsDevice/MountedPosition**

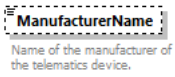
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc unbounded content simple

facets

Kind	Value	Annotation
enumeration	Side	
enumeration	Top	
enumeration	Bottom	
enumeration	Inside	
enumeration	Left	
enumeration	Right	
enumeration	Center	
enumeration	Below isolation	
enumeration	Hand brake end	
enumeration	Non brake end	
enumeration	1	
enumeration	2	
enumeration	3	
enumeration	4	

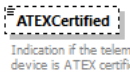
	enumeration 5 enumeration 6 enumeration 7 enumeration 8
annotation	documentation Indication of where the telematics unit is located on the component.
source	<xs:element name="MountedPosition" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation xml:lang="en">Indication of where the telematics unit is located on the component.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:enumeration value="Side"/> <xs:enumeration value="Top"/> <xs:enumeration value="Bottom"/> <xs:enumeration value="Inside"/> <xs:enumeration value="Left"/> <xs:enumeration value="Right"/> <xs:enumeration value="Center"/> <xs:enumeration value="Below isolation"/> <xs:enumeration value="Hand brake end"/> <xs:enumeration value="Non brake end"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="4"/> <xs:enumeration value="5"/> <xs:enumeration value="6"/> <xs:enumeration value="7"/> <xs:enumeration value="8"/> </xs:restriction> </xs:simpleType> </xs:element>

element **WagonTelematics/TelematicsDevice/ManufacturerName**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation maxLength 255
annotation	documentation Name of the manufacturer of the telematics device.
source	<xs:element name="ManufacturerName" minOccurs="0"> <xs:annotation> <xs:documentation xml:lang="en">Name of the manufacturer of the telematics device.</xs:documentation> </xs:annotation>

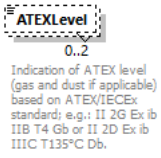
```
  <xs:simpleType>
    <xs:restriction                                    base="xs:string">
      <xs:maxLength                                        value="255"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **WagonTelematics/TelematicsDevice/ATEXCertified**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:boolean**
properties	minOcc 0 maxOcc 1 content simple
annotation	documentation Indication if the telematics device is ATEX certified.

source	`<xs:element name="ATEXCertified" type="xs:boolean" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation xml:lang="en">Indication if the telematics device is ATEX certified.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

element **WagonTelematics/TelematicsDevice/ATEXLevel**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 2 content simple
facets	Kind Value Annotation maxLength 50
annotation	documentation Indication of ATEX level (gas and dust if applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB T4 Gb or II 2D Ex ib IIIC T135°C Db.

source	`<xs:element name="ATEXLevel" minOccurs="0" maxOccurs="2">`
	`  <xs:annotation>`
	`  <xs:documentation xml:lang="en">Indication of ATEX level (gas and dust if applicable) based on ATEX/IECEx standard; e.g.: II 2G Ex ib IIB T4 Gb or II 2D Ex ib IIIC T135°C Db.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="50"/>`
	`  </xs:restriction>`

```
  </xs:simpleType>
</xs:element>
```

simpleType **CommunicationRefID**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
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	`<xs:simpleType name="CommunicationRefID">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifier for communications contact reference (i.e. fax number, phone number, e-mail, URL)</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:string">`
	`  <xs:maxLength value="70"/>`
	`  <xs:minLength value="1"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **CompanyCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **String4-4**
properties	base String4-4
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 minLength 4 maxLength 4 pattern [0-9A-Z]{4}
annotation	documentation Identifies the RU, IM or other company involved in the Rail Transport Chain

source	`<xs:simpleType name="CompanyCode">`
	`  <xs:annotation>`
	`  <xs:documentation>Identifies the RU, IM or other company involved in the Rail Transport Chain</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="String4-4">`
	`  <xs:pattern value="[0-9A-Z]{4}"/>`
	`  </xs:restriction>`

	`</xs:simpleType>`

simpleType **CountryIdentISO**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	elements **CountryCodeISO** **ITU_Details/DepartureCountry** **RollingStockDataset/DesignDataSet/LoadTable/LoadTableCountry** **RollingStockDataset/AdministrativeDataSet/MultilateralAuthorisationCountries** **OriginCountry** **RollingStockDataset/AdministrativeDataSet/QuieterRoutesExemptionCountry** **RollingStockDataset/AdministrativeDataSet/RegistrationCountry** **UltimateDestinationCountry**
facets	Kind Value Annotation minLength 2 maxLength 2
annotation	documentation ISO 3166-1 alpha code (2 positions)

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

simpleType **DeltaTime**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	elements **AgainstBooked** **AgainstReferenced**
facets	Kind Value Annotation length 5
annotation	documentation Time difference delay (+) or ahead of schedule (-) this shall be 1character + 4 Numeric

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

simpleType **DerailmentDetectionDevice**

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

type	restriction of **xs:string**
properties	base xs:string
used by	element **RollingStockDataset/DesignDataSet/DerailmentDetectionDevice**
facets	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 device. The following values are defined: EDT 101 MDV 100 Non coded device

source

```
<xs:simpleType name="DerailmentDetectionDevice">
  <xs:annotation>
    <xs:documentation>Identification of derailment detection device equipped
on the wagon. Element is mandatory if wagon is equipped with such device.
The following values are defined:
EDT 101
MDV 100
Non coded device
</xs:documentation>
  </xs:annotation>
  <xs:restriction base="xs:string">
    <xs:enumeration value="EDT 101"/>
    <xs:enumeration value="MDV 100"/>
    <xs:enumeration value="Non coded device"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **EquipmentNumberType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	elements **GoodsInWagon/ContainerNumber** **ITU_Details/Number**
facets	Kind / Value / Annotation minLength 1 maxLength 13
annotation	documentation Number of ITU

source

```
<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>
```

simpleType **EquipmentTypeType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	base xs:token
used by	element **ITU_Type**
facets	Kind / Value / Annotation enumeration cn — documentation: Container enumeration sw — documentation: swap body enumeration te — documentation: Trailer (RollingRoad)
annotation	documentation Type of equipment

source

```
<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>
```

simpleType **ForwardingRestrictionType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	base xs:token
facets	Kind / Value / Annotation enumeration 07 enumeration 08 enumeration 09 enumeration 11 enumeration 12 enumeration 13 enumeration 15

	enumeration 16 enumeration 41 enumeration 42 enumeration 61 enumeration 62 enumeration 63 enumeration 70 enumeration 71 enumeration 92 enumeration 94 enumeration
annotation	documentation Code List Candidate: This code is designed to identify any special aspects or restrictions which might be relevant to wagon handling operations in train formation yards or in trains because of technical feature of the wagon or its load
source	<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>

simpleType **FreeText**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	elements **AdditionalInstruction** **Address** **Comments** **ContractNumberMovement** **InterruptionPoint/DetailedDescriptionOfLocation** **FreeTextField** **GoodsDescription** **HandlingInstruction** **InternalReferenceIdentifier** **InterruptionDescription** **LocationSubsidiaryName** **MessageIdentifier** **ErrorMessage/ErrorCauseReference/MessageSenderReference** **Name** **PrimaryLocationName**

	complexType **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	`<xs:simpleType name="FreeText">`
	`<xs:annotation>`
	`<xs:documentation>Clear Text in ISO Unicode character set</xs:documentation>`
	`</xs:annotation>`
	`<xs:restriction base="xs:string">`
	`<xs:maxLength value="255"/>`
	`<xs:minLength value="1"/>`
	`</xs:restriction>`
	`</xs:simpleType>`

simpleType **Name**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	element **VesselName**
facets	Kind Value Annotation maxLength 254
annotation	documentation Name in Free Text

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

simpleType **NHMCodeType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	elements **NHM_Code** **Goods/PreviousLoadedGood**
facets	Kind Value Annotation length 6 pattern \d*[1-9]\d*
annotation	documentation NHM Code
source	`<xs:simpleType name="NHMCodeType">`

```
  <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>
```

simpleType **Numeric1-5**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:positiveInteger**
properties	base xs:positiveInteger
used by	elements RollingStockDataset/DesignDataSet/BogiePivotPitch RollingStockDataset/DesignDataSet/HeightOfLoadingPlaneUnladen RollingStockDataset/DesignDataSet/InnerWheelbase LocationPrimaryCode RollingStockDataset/DesignDataSet/LoadTable/SpeedCategory
facets	Kind Value Annotation minInclusive 1 maxInclusive 99999

source

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

simpleType **Numeric1-6**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	base xs:int
facets	Kind Value Annotation minInclusive 1 maxInclusive 999999

source

```
<xs:simpleType                                             name="Numeric1-6">
  <xs:restriction                                             base="xs:int">
    <xs:minInclusive                                              value="1"/>
    <xs:maxInclusive                                         value="999999"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **Numeric2-2**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	base xs:integer

used by	elements RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/CounterAcreditedRecognizedBody RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/EINYear MessageRoutingID RollingStockDataset/DesignDataSet/RemovableAccessories/NumberOfAccessorOfSpecType AirBrake/NumberOfBrakes WagonTechData/TechnicalRestrictions RollingStockDataset/AdministrativeDataSet/ECMCertificate/EINNumber/TypeDocumentEIN attribute CI_InstanceNumber
facets	Kind Value Annotation minInclusive 01 maxInclusive 99
source	<xs:simpleType name="Numeric2-2"> <xs:restriction base="xs:integer"> <xs:minInclusive value="01"/> <xs:maxInclusive value="99"/> </xs:restriction> </xs:simpleType>

simpleType **Numeric3-3**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements AirBrake/LoadChangeDevice/AirBrakedMassLoaded AirBrake/LoadChangeDevice/ChangeOverWeight simpleType Speed
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
source	<xs:simpleType name="Numeric3-3"> <xs:restriction base="xs:integer"> <xs:minInclusive value="001"/> <xs:maxInclusive value="999"/> </xs:restriction> </xs:simpleType>

simpleType **Numeric4-4**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements LengthOfSetOfCarriages RollingStockDataset/DesignDataSet/LoadTable/LoadTableProduct/ProductUNCode TrainLength
facets	Kind Value Annotation minInclusive 0001 maxInclusive 9999
source	<xs:simpleType name="Numeric4-4"> <xs:restriction base="xs:integer"> <xs:minInclusive value="0001"/> <xs:maxInclusive value="9999"/> </xs:restriction>

	`</xs:simpleType>`

simpleType **Percentage**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:float**
properties	base xs:float
used by	element **NetworkProjectedLocation/ProportionOfDistanceBetweenLocations**
facets	Kind Value Annotation minInclusive 0 maxInclusive 100
annotation	documentation decimal value between 0 and 100

source	`<xs:simpleType name="Percentage">`
	`  <xs:annotation>`
	`  <xs:documentation>decimal value between 0 and 100</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="xs:float">`
	`  <xs:minInclusive value="0"/>`
	`  <xs:maxInclusive value="100"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **Speed**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric3-3**
properties	base Numeric3-3
used by	elements **GNSS_DynamicPosition/CurrentSpeed** **HighestPlannedSpeed** **PlannedSpeed** **TrainMaxSpeed**
facets	Kind Value Annotation minInclusive 001 maxInclusive 999
annotation	documentation Shown in Km/h

source	`<xs:simpleType name="Speed">`
	`  <xs:annotation>`
	`  <xs:documentation>Shown in Km/h</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:restriction base="Numeric3-3"/>`
	`</xs:simpleType>`

simpleType **String1-10**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	element **LocationSubsidiaryCode**

facets	Kind Value Annotation minLength 1 maxLength 10
source	<xs:simpleType name="String1-10"> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="10" fixed="false"/> </xs:restriction> </xs:simpleType>

simpleType **String1-14**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	element **CustomerCode/PrimaryCode**
facets	Kind Value Annotation minLength 1 maxLength 14
source	<xs:simpleType name="String1-14"> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="14"/> </xs:restriction> </xs:simpleType>

simpleType **String1-5**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	element **DelayMinutes**
facets	Kind Value Annotation minLength 1 maxLength 5
source	<xs:simpleType name="String1-5"> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType>

simpleType **String1-7**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string

used by	element **CustomerCode/AdditionalCode**
facets	Kind Value Annotation minLength 1 maxLength 7

source	`<xs:simpleType name="String1-7">`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="7"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **String1-8**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	elements **AssociatedAttachedOTN** **AssociatedAttachedTrainServiceNumber** **OperationalTrainNumber**
facets	Kind Value Annotation minLength 1 maxLength 8

source	`<xs:simpleType name="String1-8">`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="8"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **String4-4**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	simpleType **CompanyCode**
facets	Kind Value Annotation minLength 4 maxLength 4

source	`<xs:simpleType name="String4-4">`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="4"/>`
	`  <xs:maxLength value="4"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

simpleType **String5-5**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**

properties	base xs:string
facets	Kind Value Annotation minLength 5 maxLength 5
source	<xs:simpleType name="String5-5"> <xs:restriction base="xs:string"> <xs:minLength value="5"/> <xs:maxLength value="5"/> </xs:restriction> </xs:simpleType>

simpleType **String5-8**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
facets	Kind Value Annotation minLength 5 maxLength 8
source	<xs:simpleType name="String5-8"> <xs:restriction base="xs:string"> <xs:minLength value="5"/> <xs:maxLength value="8"/> </xs:restriction> </xs:simpleType>

simpleType **Time**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:time**
properties	base xs:time
annotation	documentation Time expressed in HH:MM:SS
source	<xs:simpleType name="Time"> <xs:annotation> <xs:documentation>Time expressed in HH:MM:SS</xs:documentation> </xs:annotation> <xs:restriction base="xs:time"/> </xs:simpleType>

simpleType **VolumeValue**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**xs:float**
properties	base xs:float
used by	elements **DangerousGoodsVolume** **DanGoodsType/DangerousGoodsVolume** **Volume**
annotation	documentation

	Volume value of the load units by cbm

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

simpleType **WagonIdent**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
used by	elements **WIMO_Dataset/ConsignmentLevelData/PreviousWagonNumber** **RollingStockDataset/AdministrativeDataSet/PreviousWagonNumberFreight** **WagonNumberFreight**
facets	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	`<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>`

simpleType **WeightValueKilo**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	base xs:integer
used by	elements **DangerousGoodsWeight** **GrossWeight** **MaxGrossWeight** **ITU_Details/TareWeight** **RollingRoadUnit/RollingRoadUnitDetails/TareWeightVehicle** **TotalLoadWeight** **TotalWeight** **LoadingTackles/TotalWeightLoadingTackles** **WagonWeightEmpty**
facets	Kind Value Annotation minInclusive 0 maxInclusive 999999 whiteSpace collapse
annotation	documentation In Kilograms

source	`<xs:simpleType name="WeightValueKilo">`
	`  <xs:annotation>`
	`  <xs:documentation>In Kilograms</xs:documentation>`

```
  </xs:annotation>
  <xs:restriction                                   base="xs:integer">
    <xs:minInclusive                                       value="0"/>
    <xs:maxInclusive                                    value="999999"/>
    <xs:whiteSpace                                   value="collapse"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **WeightValueTonne**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:int**
properties	base xs:int
used by	elements **TractionWeight** **TrainWeight** **WeightOfSetOfCarriages**
facets	Kind / Value / Annotation minInclusive 1 maxInclusive 99999
annotation	documentation In Tonnes

source

```
<xs:simpleType                                    name="WeightValueTonne">
  <xs:annotation>
    <xs:documentation>In                          Tonnes</xs:documentation>
  </xs:annotation>
  <xs:restriction                                          base="xs:int">
    <xs:minInclusive                                          value="1"/>
    <xs:maxInclusive                                       value="99999"/>
  </xs:restriction>
</xs:simpleType>
```

attribute **CI_InstanceNumber**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	**Numeric2-2**
used by	elements **Recipient** **Sender**
facets	Kind / Value / Annotation minInclusive 01 maxInclusive 99
annotation	documentation Number of a Common Interface Instance for the same Company

source

```
<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>
```

XML Schema documentation generated by **XMLSpy** Schema Editor **http://www.altova.com/xmlspy**

3. Schema taf_cat_codelists.xsd

schema location: C:\Users\jugelst\OneDrive - European Union Agency for Railways (ERA)\Documents\Projects\TAF-TSI\taf_cat_codelists.xsd
attributeFormDefault: **unqualified**
elementFormDefault: **qualified**
targetNamespace: **http://www.era.europa.eu/schemes/TAFTSI/3.1**

Elements

AirBrakeType
BrakeSpecialCharacteristics
BrakeType
BrakingPowerVariationDevice
CombinedTrafficLoadProfile
ConsignmentOrderType
CouplingType
DangerLabel
HandBrakeType
InfoOnGoodsShapeTypeDanger
InteropCapability
JourneyLocationTypeCode
LivestockOrPeopleIndicator
LoadTableStars
MessageStatus
MRN_Type
NormalLoadingGauge
PackingGroup
ProcessType
ReasonOfReference
RefusalCode
RouteClass
TractionMode
TractionType
TrainRadioSystem
TrainType
TypeOfRemovableAccessories
TypeOfUsedHybridPowerunit
WheelSetTransformationMethod

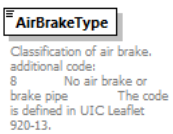
Simple types

ConsignmentTypeCode
DelayCode
InfoIndex
MessageCode
RestrictionCodes
RunningStatus
TrainCC_SystemCode
TypeOfIMHarmonizationCode
TypeOfInformationCode
TypeOfRequestCode
TypeOfRUHarmonizationCode
UnitType

Attributes

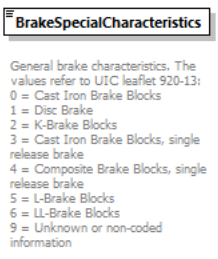
LocationSubsidiaryTypeCode
TimingQualifierCode

element **AirBrakeType**

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

type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation 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	<xs:element name="AirBrakeType"> <xs:annotation> <xs:documentation>Classification of air brake. additional code: 8 No air brake or brake pipeThe code is defined in UIC Leaflet 920-13. </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="0"/> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="3"/> <xs:enumeration value="8"/> <xs:enumeration value="9"/> </xs:restriction> </xs:simpleType> </xs:element>

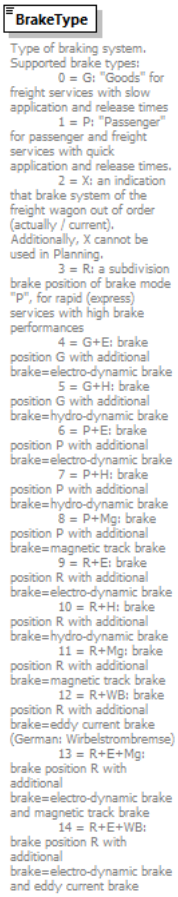
element **BrakeSpecialCharacteristics**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration 0 documentation Cast Iron Brake Blocks enumeration 1 documentation Disc Brake

	enumeration 2 documentation K-Brake Blocks enumeration 3 documentation Cast Iron Brake Blocks, single release brake enumeration 4 documentation Composite Brake Blocks, single release brake enumeration 5 documentation L-Brake Blocks enumeration 6 documentation LL-Brake Blocks enumeration 9 documentation Unknown or non-coded information
annotation	documentation General brake characteristics. The values refer to UIC leaflet 920-13: 0 = Cast Iron Brake Blocks 1 = Disc Brake 2 = K-Brake Blocks 3 = Cast Iron Brake Blocks, single release brake 4 = Composite Brake Blocks, single release brake 5 = L-Brake Blocks 6 = LL-Brake Blocks 9 = Unknown or non-coded information
source	<xs:element name="BrakeSpecialCharacteristics"> <xs:annotation> <xs:documentation> General brake characteristics. The values refer to UIC leaflet 920-13: 0 = Cast Iron Brake Blocks 1 = Disc Brake 2 = K-Brake Blocks 3 = Cast Iron Brake Blocks, single release brake 4 = Composite Brake Blocks, single release brake 5 = L-Brake Blocks 6 = LL-Brake Blocks 9 = Unknown or non-coded information </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="0"> <xs:annotation> <xs:documentation>Cast Iron Brake Blocks</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="1"> <xs:annotation> <xs:documentation>Disc Brake</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="2"> <xs:annotation> <xs:documentation>K-Brake Blocks</xs:documentation> </xs:annotation> </xs:enumeration> <xs:enumeration value="3"> <xs:annotation> <xs:documentation>Cast Iron Brake Blocks, single release brake</xs:documentation>

```
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                value="4">
        <xs:annotation>
          <xs:documentation>Composite    Brake    Blocks,    single    release
brake</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                value="5">
        <xs:annotation>
          <xs:documentation>L-Brake                Blocks</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                value="6">
        <xs:annotation>
          <xs:documentation>LL-Brake               Blocks</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                value="9">
        <xs:annotation>
          <xs:documentation>Unknown                or               non-coded
information</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **BrakeType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration 0 enumeration 1 enumeration 2 enumeration 3 enumeration 4 enumeration 5 enumeration 6 enumeration 7 enumeration 8 enumeration 9 enumeration 10 enumeration 11 enumeration 12 enumeration 13 enumeration 14

annotation

documentation

Type of braking system. Supported brake types:
0 = G: "Goods" for freight services with slow application and release times
1 = P: "Passenger" for passenger and freight services with quick application and release times.
2 = X: an indication that brake system of the freight wagon out of order (actually / current). Additionally, X cannot be used in Planning.
3 = R: a subdivision brake position of brake mode "P", for rapid (express) services with high brake performances
4 = G+E: brake position G with additional brake=electro-dynamic brake
5 = G+H: brake position G with additional brake=hydro-dynamic brake
6 = P+E: brake position P with additional brake=electro-dynamic brake
7 = P+H: brake position P with additional brake=hydro-dynamic brake
8 = P+Mg: brake position P with additional brake=magnetic track brake
9 = R+E: brake position R with additional brake=electro-dynamic brake
10 = R+H: brake position R with additional brake=hydro-dynamic brake
11 = R+Mg: brake position R with additional brake=magnetic track brake
12 = R+WB: brake position R with additional brake=eddy current brake (German: Wirbelstrombremse)
13 = R+E+Mg: brake position R with additional brake=electro-dynamic brake and magnetic track brake
14 = R+E+WB: brake position R with additional brake=electro-dynamic brake and eddy current brake

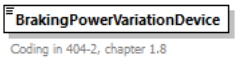
source

```
<xs:element                                                    name="BrakeType">
  <xs:annotation>
    <xs:documentation>Type of braking system. Supported brake types:
            0 = G: "Goods" for freight services with slow application and
release                                                                 times
            1 = P: "Passenger" for passenger and freight services with quick
application                and                release                times.
            2 = X: an indication that brake system of the freight wagon out
of order (actually / current). Additionally, X cannot be used in Planning.
            3 = R: a subdivision brake position of brake mode "P", for rapid
(express)       services       with       high       brake       performances
            4 = G+E: brake position G with additional brake=electro-dynamic
brake
            5 = G+H: brake position G with additional brake=hydro-dynamic
brake
            6 = P+E: brake position P with additional brake=electro-dynamic
brake
            7 = P+H: brake position P with additional brake=hydro-dynamic
brake
            8 = P+Mg: brake position P with additional brake=magnetic track
brake
            9 = R+E: brake position R with additional brake=electro-dynamic
brake
            10 = R+H: brake position R with additional brake=hydro-dynamic
brake
            11 = R+Mg: brake position R with additional brake=magnetic track
brake
            12 = R+WB: brake position R with additional brake=eddy current
brake                      (German:                    Wirbelstrombremse)
            13 = R+E+Mg: brake position R with additional brake=electro-
dynamic         brake         and         magnetic         track         brake
            14 = R+E+WB: brake position R with additional brake=electro-
dynamic         brake         and         eddy         current         brake
            </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                          base="xs:token">
      <xs:enumeration                                             value="0"/>
      <xs:enumeration                                             value="1"/>
```

```
      <xs:enumeration                                    value="2"/>
      <xs:enumeration                                    value="3"/>
      <xs:enumeration                                    value="4"/>
      <xs:enumeration                                    value="5"/>
      <xs:enumeration                                    value="6"/>
      <xs:enumeration                                    value="7"/>
      <xs:enumeration                                    value="8"/>
      <xs:enumeration                                    value="9"/>
      <xs:enumeration                                   value="10"/>
      <xs:enumeration                                   value="11"/>
      <xs:enumeration                                   value="12"/>
      <xs:enumeration                                   value="13"/>
      <xs:enumeration                                   value="14"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **BrakingPowerVariationDevice**

diagram



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

type: restriction of **xs:integer**

properties: content simple

facets

Kind	Value	Annotation
enumeration	0	documentation no braked weight variation device
enumeration	1	documentation empty/loaded manual or automatic device with one changeover weight
enumeration	2	documentation empty/loaded manual or automatic device with two or three changeover weights
enumeration	8	documentation linear auto continuous device with indication of maximum braked weight
enumeration	9	documentation non-codable variation device

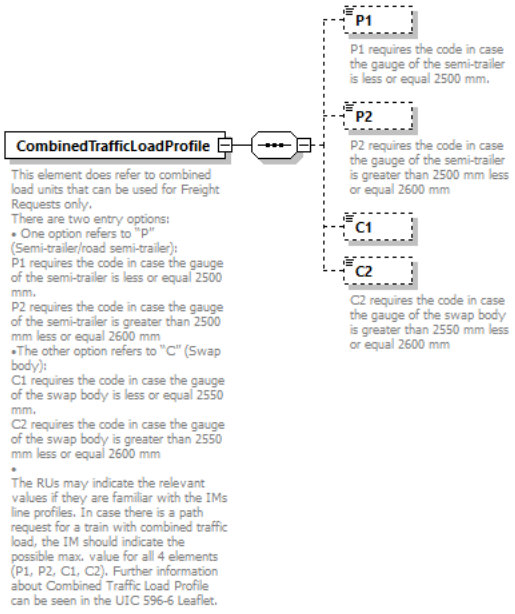
annotation: documentation
Coding in 404-2, chapter 1.8

source

```
<xs:element                                  name="BrakingPowerVariationDevice">
  <xs:annotation>
    <xs:documentation>Coding   in   404-2,   chapter   1.8</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                        base="xs:integer">
      <xs:enumeration                                              value="0">
        <xs:annotation>
          <xs:documentation>no        braked        weight        variation
device</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                              value="1">
        <xs:annotation>
          <xs:documentation>empty/loaded manual or automatic device with one
changeover                                             weight</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
```

```
      <xs:enumeration                                                value="2">
        <xs:annotation>
          <xs:documentation>empty/loaded manual or automatic device with two
or           three           changeover           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>
```

element **CombinedTrafficLoadProfile**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
properties	content complex
children	**P1 P2 C1 C2**
annotation	documentation This element does refer to combined load units that can be used for Freight Requests only. There are two entry options: • One option refers to "P" (Semi-trailer/road semi-trailer): P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm. P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm •The other option refers to "C" (Swap body): C1 requires the code in case the gauge of the swap body is less or equal 2550 mm. C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm

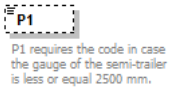
	• The RUs may indicate the relevant values if they are familiar with the IMs line profiles. In case there is a path request for a train with combined traffic load, the IM should indicate the possible max. value for all 4 elements (P1, P2, C1, C2). Further information about Combined Traffic Load Profile can be seen in the UIC 596-6 Leaflet.

source

```
<xs:element name="CombinedTrafficLoadProfile">
  <xs:annotation>
    <xs:documentation>This element does refer to combined load units that can be used for Freight Requests only. There are two entry options:
• One option refers to “P” (Semi-trailer/road semi-trailer):
P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm.
P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm
•The other option refers to “C” (Swap body):
C1 requires the code in case the gauge of the swap body is less or equal 2550 mm.
C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm
•
The RUs may indicate the relevant values if they are familiar with the IMs line profiles. In case there is a path request for a train with combined traffic load, the IM should indicate the possible max. value for all 4 elements (P1, P2, C1, C2). Further information about Combined Traffic Load Profile can be seen in the UIC 596-6 Leaflet.
</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="P1" minOccurs="0">
        <xs:annotation>
          <xs:documentation>P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm.</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:pattern value="\d{3}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="P2" minOccurs="0">
        <xs:annotation>
          <xs:documentation>P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction base="xs:string">
            <xs:pattern value="\d{3}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element name="C1" minOccurs="0">
        <xs:simpleType>
          <xs:annotation>
            <xs:documentation>C1 requires the code in case the gauge of the swap body is less or equal 2550 mm.</xs:documentation>
          </xs:annotation>
```

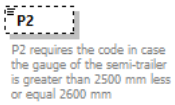
```
          <xs:restriction                                    base="xs:string">
            <xs:pattern                                      value="\d{3}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
      <xs:element                  name="C2"                  minOccurs="0">
        <xs:annotation>
          <xs:documentation>C2 requires the code in case the gauge of the swap
body  is  greater  than  2550  mm  less  or  equal  2600  mm</xs:documentation>
        </xs:annotation>
        <xs:simpleType>
          <xs:restriction                                    base="xs:string">
            <xs:pattern                                      value="\d{3}"/>
          </xs:restriction>
        </xs:simpleType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

element **CombinedTrafficLoadProfile/P1**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern \d{3}
annotation	documentation P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm.

source	`<xs:element name="P1" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>P1 requires the code in case the gauge of the semi-trailer is less or equal 2500 mm.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:simpleType>`
	`  <xs:restriction base="xs:string">`
	`  <xs:pattern value="\d{3}"/>`
	`  </xs:restriction>`
	`  </xs:simpleType>`
	`</xs:element>`

element **CombinedTrafficLoadProfile/P2**

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

type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern \d{3}
annotation	documentation P2 requires the code in case the gauge of the semi-trailer is greater than 2500 mm less or equal 2600 mm

source

```
<xs:element                          name="P2"                          minOccurs="0">
  <xs:annotation>
    <xs:documentation>P2 requires the code in case the gauge of the semi-
trailer is greater than 2500 mm less or equal 2600 mm</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                                  base="xs:string">
      <xs:pattern                                                      value="\d{3}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

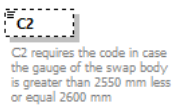
element **CombinedTrafficLoadProfile/C1**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1 content simple
facets	Kind Value Annotation pattern \d{3}

source

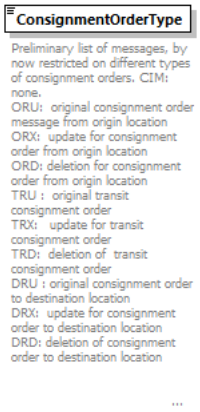
```
<xs:element                          name="C1"                          minOccurs="0">
  <xs:simpleType>
    <xs:annotation>
      <xs:documentation>C1 requires the code in case the gauge of the swap
body      is      less      or      equal      2550      mm.</xs:documentation>
    </xs:annotation>
    <xs:restriction                                                  base="xs:string">
      <xs:pattern                                                      value="\d{3}"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CombinedTrafficLoadProfile/C2**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	minOcc 0 maxOcc 1

	content simple
facets	Kind Value Annotation pattern \d{3}
annotation	documentation C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm
source	<xs:element name="C2" minOccurs="0"> <xs:annotation> <xs:documentation>C2 requires the code in case the gauge of the swap body is greater than 2550 mm less or equal 2600 mm</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:pattern value="\d{3}"/> </xs:restriction> </xs:simpleType> </xs:element>

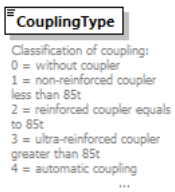
element **ConsignmentOrderType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration ORU documentation Subset for RU which fetches consignment at origin. enumeration ORX documentation Update for ORU enumeration ORD documentation Deletion of ORU enumeration TRU documentation Subset for transit RU enumeration TRX documentation Update for TRU enumeration TRD documentation Deletion of TRU enumeration DRU documentation Subset for RU which takes consignment to destination enumeration DRX documentation Update for DRU enumeration DRD documentation Deletion for DRU
annotation	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
source	<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>

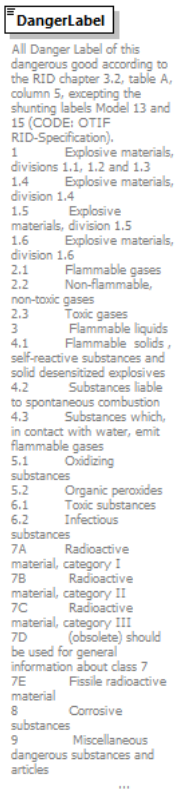
```
      </xs:enumeration>
      <xs:enumeration                                          value="TRD">
        <xs:annotation>
          <xs:documentation>Deletion        of        TRU</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="DRU">
        <xs:annotation>
          <xs:documentation>Subset   for   RU   which   takes   consignment   to
destination</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="DRX">
        <xs:annotation>
          <xs:documentation>Update         for         DRU</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="DRD">
        <xs:annotation>
          <xs:documentation>Deletion        for        DRU</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **CouplingType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind / Value / Annotation enumeration 0 enumeration 1 enumeration 2 enumeration 3 enumeration 4
annotation	documentation 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
source	`<xs:element name="CouplingType">` `<xs:annotation>`

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

element **DangerLabel**

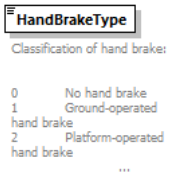
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind / Value / Annotation enumeration 1 enumeration 1.4 enumeration 1.5

	enumeration 1.6 enumeration 2.1 enumeration 2.2 enumeration 2.3 enumeration 3 enumeration 4.1 enumeration 4.2 enumeration 4.3 enumeration 5.1 enumeration 5.2 enumeration 6.1 enumeration 6.2 enumeration 7A enumeration 7B enumeration 7C enumeration 7D enumeration 7E enumeration 8 enumeration 9
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 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
source	<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). 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

                    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                          base="xs:token">
      <xs:enumeration                                             value="1"/>
      <xs:enumeration                                           value="1.4"/>
      <xs:enumeration                                           value="1.5"/>
      <xs:enumeration                                           value="1.6"/>
      <xs:enumeration                                           value="2.1"/>
      <xs:enumeration                                           value="2.2"/>
      <xs:enumeration                                           value="2.3"/>
      <xs:enumeration                                             value="3"/>
      <xs:enumeration                                           value="4.1"/>
      <xs:enumeration                                           value="4.2"/>
      <xs:enumeration                                           value="4.3"/>
      <xs:enumeration                                           value="5.1"/>
      <xs:enumeration                                           value="5.2"/>
      <xs:enumeration                                           value="6.1"/>
      <xs:enumeration                                           value="6.2"/>
      <xs:enumeration                                            value="7A"/>
      <xs:enumeration                                            value="7B"/>
      <xs:enumeration                                            value="7C"/>
      <xs:enumeration                                            value="7D"/>
      <xs:enumeration                                            value="7E"/>
      <xs:enumeration                                             value="8"/>
      <xs:enumeration                                             value="9"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

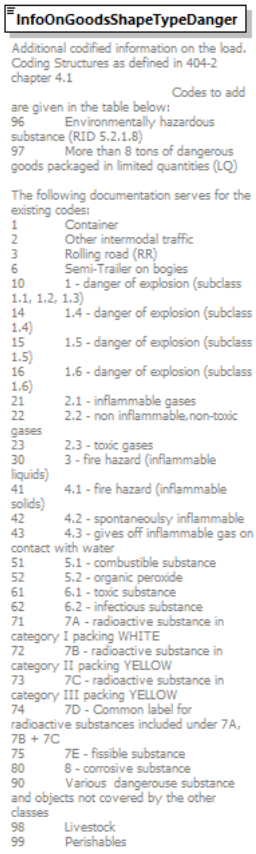
element **HandBrakeType**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration 0 enumeration 1 enumeration 2
annotation	documentation Classification of hand brake: 0 No hand brake 1 Ground-operated hand brake 2 Platform-operated hand brake
source	<xs:element name="HandBrakeType"> <xs:annotation> <xs:documentation>Classification of hand brake: 0 No hand brake 1 Ground-operated hand brake 2 Platform-operated hand brake </xs:documentation> </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>

element **InfoOnGoodsShapeTypeDanger**

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

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)

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 - spontaneoulsy 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 - fissible substance
80 8 - corrosive substance
90 Various dangerouse substance and objects not covered by the other classes
98 Livestock
99 Perishables

facets

Kind	Value	Annotation
enumeration	01	
enumeration	02	
enumeration	03	
enumeration	06	
enumeration	98	
enumeration	99	
enumeration	10	
enumeration	14	
enumeration	15	
enumeration	16	
enumeration	21	
enumeration	22	
enumeration	23	
enumeration	30	
enumeration	41	
enumeration	42	
enumeration	43	
enumeration	51	

enumeration 52
enumeration 61
enumeration 62
enumeration 71
enumeration 72
enumeration 73
enumeration 74
enumeration 75
enumeration 80
enumeration 90
enumeration 96
enumeration 97

annotation

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:
96 Environmentally hazardous substance (RID 5.2.1.8)
97 More than 8 tons of dangerous goods packaged in limited quantities (LQ)

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 - spontaneoulsy 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 - fissible substance
80 8 - corrosive substance
90 Various dangerouse substance and objects not covered by the other classes
98 Livestock
99 Perishables

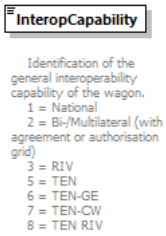
source

```
<xs:element name="InfoOnGoodsShapeTypeDanger">
  <xs:annotation>
    <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:
96  Environmentally hazardous substance (RID 5.2.1.8)
97  More than 8 tons of dangerous goods packaged in limited quantities (LQ)

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             -             spontaneoulsy             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                -                fissible                 substance
80     8                -                corrosive                substance
90     Various   dangerouse substance and objects not covered by the other
classes
98     Livestock
99     Perishables

                    </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="06"/>
      <xs:enumeration                                            value="98"/>
      <xs:enumeration                                            value="99"/>
      <xs:enumeration                                            value="10"/>
      <xs:enumeration                                            value="14"/>
      <xs:enumeration                                            value="15"/>
      <xs:enumeration                                            value="16"/>
      <xs:enumeration                                            value="21"/>
      <xs:enumeration                                            value="22"/>
      <xs:enumeration                                            value="23"/>
      <xs:enumeration                                            value="30"/>
      <xs:enumeration                                            value="41"/>
      <xs:enumeration                                            value="42"/>
      <xs:enumeration                                            value="43"/>
      <xs:enumeration                                            value="51"/>
      <xs:enumeration                                            value="52"/>
      <xs:enumeration                                            value="61"/>
      <xs:enumeration                                            value="62"/>
      <xs:enumeration                                            value="71"/>
      <xs:enumeration                                            value="72"/>
```

```
      <xs:enumeration value="73"/>
      <xs:enumeration value="74"/>
      <xs:enumeration value="75"/>
      <xs:enumeration value="80"/>
      <xs:enumeration value="90"/>
      <xs:enumeration value="96"/>
      <xs:enumeration value="97"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **InteropCapability**

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

facets

Kind	Value	Annotation
totalDigits	2	
enumeration	1	documentation National
enumeration	2	documentation Bi-/Multilateral (with agreement or authorisation grid)
enumeration	3	documentation RIV
enumeration	5	documentation TEN
enumeration	6	documentation TEN-GE
enumeration	7	documentation TEN-CW
enumeration	8	documentation TEN RIV

annotation

documentation

Identification of the general interoperability capability of the wagon.
1 = National
2 = Bi-/Multilateral (with agreement or authorisation grid)
3 = RIV
5 = TEN
6 = TEN-GE
7 = TEN-CW
8 = TEN RIV

source

```
<xs:element name="InteropCapability">
  <xs:annotation>
    <xs:documentation>
    Identification of the general interoperability capability of the wagon.
    1 = National
```

```
    2   =   Bi-/Multilateral   (with   agreement   or   authorisation   grid)
    3                                  =                                  RIV
    5                                  =                                  TEN
    6                                 =                                TEN-GE
    7                                 =                                TEN-CW
    8                      =                        TEN                    RIV
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                          base="xs:integer">
      <xs:totalDigits                                              value="2"/>
      <xs:enumeration                                               value="1">
        <xs:annotation>
          <xs:documentation>National</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                   value="2">
        <xs:annotation>
          <xs:documentation>Bi-/Multilateral (with agreement or authorisation
grid)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                   value="3">
        <xs:annotation>
          <xs:documentation>RIV</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                   value="5">
        <xs:annotation>
          <xs:documentation>TEN</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                   value="6">
        <xs:annotation>
          <xs:documentation>TEN-GE</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                   value="7">
        <xs:annotation>
          <xs:documentation>TEN-CW</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                   value="8">
        <xs:annotation>
          <xs:documentation>TEN                        RIV</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **JourneyLocationTypeCode**

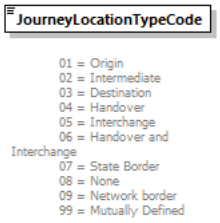


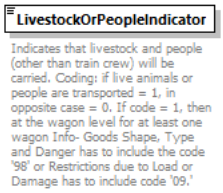
diagram	JourneyLocationTypeCode 01 = Origin 02 = Intermediate 03 = Destination 04 = Handover 05 = Interchange 06 = Handover and Interchange 07 = State Border 08 = None 09 = Network border 99 = Mutually Defined
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration 01 enumeration 02 enumeration 03 enumeration 04 enumeration 05 enumeration 06 enumeration 07 enumeration 08 enumeration 09 enumeration 99
annotation	documentation 01 = Origin 02 = Intermediate 03 = Destination 04 = Handover 05 = Interchange 06 = Handover and Interchange 07 = State Border 08 = None 09 = Network border 99 = Mutually Defined
source	see below

```
<xs:element                                    name="JourneyLocationTypeCode">
  <xs:annotation>
    <xs:documentation>
            01                          =                          Origin
            02                        =                       Intermediate
            03                        =                        Destination
            04                          =                         Handover
            05                        =                        Interchange
            06          =          Handover          and         Interchange
            07                =                State                Border
            08                          =                            None
            09               =                Network               border
            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="09"/>
      <xs:enumeration value="99"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **LivestockOrPeopleIndicator**

diagram



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

type: restriction of **xs:integer**

properties: content simple

facets:

Kind	Value	Annotation
enumeration	0	
enumeration	1	

annotation:

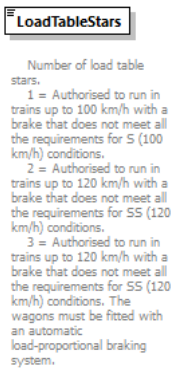
documentation

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

```
<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>
```

element **LoadTableStars**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation totalDigits 1 enumeration 1 documentation Authorised to run in trains up to 100 km/h with a brake that does not meet all the requirements for S (100 km/h) conditions. enumeration 2 documentation Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. enumeration 3 documentation Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. The wagons must be fitted with an automatic load-proportional braking system.
annotation	documentation Number of load table stars. 1 = Authorised to run in trains up to 100 km/h with a brake that does not meet all the requirements for S (100 km/h) conditions. 2 = Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. 3 = Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. The wagons must be fitted with an automatic load-proportional braking system.

source

```
<xs:element                                              name="LoadTableStars">
  <xs:annotation>
    <xs:documentation>
    Number of load table stars.
    1 = Authorised to run in trains up to 100 km/h with a brake that does not
meet all the requirements for S (100 km/h) conditions.
    2 = Authorised to run in trains up to 120 km/h with a brake that does not
meet all the requirements for SS (120 km/h) conditions.
    3 = Authorised to run in trains up to 120 km/h with a brake that does not
meet all the requirements for SS (120 km/h) conditions. The wagons must be
fitted with an automatic load-proportional braking system.
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                      base="xs:integer">
      <xs:totalDigits                                           value="1"/>
      <xs:enumeration                                           value="1">
        <xs:annotation>
```

```
          <xs:documentation>Authorised to run in trains up to 100 km/h with a brake that does not meet all the requirements for S (100 km/h) conditions.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                    value="2">
        <xs:annotation>
          <xs:documentation>Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                    value="3">
        <xs:annotation>
          <xs:documentation>Authorised to run in trains up to 120 km/h with a brake that does not meet all the requirements for SS (120 km/h) conditions. The wagons must be fitted with an automatic load-proportional braking system.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MessageStatus**

diagram

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

type: restriction of **xs:token**

properties: content simple

facets

Kind	Value	Annotation
enumeration	1	
enumeration	2	
enumeration	3	

annotation: documentation
Assigned by the Sender 1=creation, 2=modification, 3=deletion

source

```
<xs:element                                                    name="MessageStatus">
  <xs:annotation>
    <xs:documentation>Assigned by the Sender 1=creation, 2=modification, 3=deletion</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                          base="xs:token">
      <xs:enumeration                                             value="1"/>
      <xs:enumeration                                             value="2"/>
      <xs:enumeration                                             value="3"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **MRN_Type**

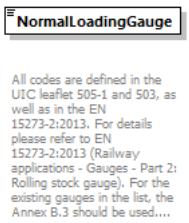
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind / Value / Annotation enumeration MRN-E — documentation: if an EXPORT declaration has been lodged enumeration MRN-T — documentation: if a TRANSIT declaration has been lodged enumeration MRN-TS — documentation: if a TRANSIT declaration with SECURITY data has been lodged enumeration MRN-EXS — documentation: if the EXIT SUMMARY declaration has been made separately by the consignor enumeration MRN-ENS — documentation: if the ENTRY SUMMARY declaration has been made separately by the consignor
annotation	documentation Type of MRN given, CODE: CIT GLV-CIM appendix 2: MRN-E if an EXPORT declaration has been lodged MRN-T if a TRANSIT declaration has been lodged MRN-TS if a TRANSIT declaration with SECURITY data has been lodged MRN-EXS if the EXIT SUMMARY declaration has been made separately by the consignor MRN-ENS if the ENTRY SUMMARY declaration has been made separately by the consignor

source

```
<xs:element                                                    name="MRN_Type">
  <xs:annotation>
    <xs:documentation>Type of MRN given, CODE: CIT GLV-CIM appendix 2:
MRN-E if an EXPORT declaration has been lodged
MRN-T if a TRANSIT declaration has been lodged
MRN-TS if a TRANSIT declaration with SECURITY data has been lodged
MRN-EXS if the EXIT SUMMARY declaration has been made separately by the
consignor
MRN-ENS if the ENTRY SUMMARY declaration has been made separately by the
consignor


      </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                            base="xs:token">
      <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>
```

element **NormalLoadingGauge**

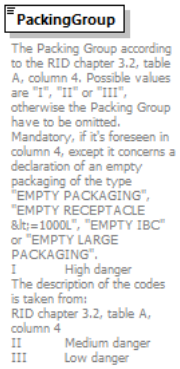
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind / Value / Annotation enumeration G1 enumeration G2 enumeration GA enumeration GB enumeration GC enumeration GB1 enumeration GB2 enumeration GB-M6 enumeration GHE16 enumeration W6-A

	enumeration SEa
annotation	documentation All codes are defined in the UIC leaflet 505-1 and 503, as well as in the EN 15273-2:2013. For details please refer to EN 15273-2:2013 (Railway applications - Gauges - Part 2: Rolling stock gauge). For the existing gauges in the list, the Annex B.3 should be used.

source

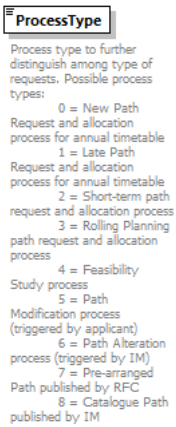
```
<xs:element                                                    name="NormalLoadingGauge">
  <xs:annotation>
    <xs:documentation>
                    All codes are defined in the UIC leaflet 505-1 and 503,
as well as in the EN 15273-2:2013. For details please refer to EN 15273-2:2013
(Railway applications - Gauges - Part 2: Rolling stock gauge). For the existing
gauges    in    the    list,    the    Annex    B.3    should    be    used.
                  </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                          base="xs:token">
      <xs:enumeration                                            value="G1"/>
      <xs:enumeration                                            value="G2"/>
      <xs:enumeration                                            value="GA"/>
      <xs:enumeration                                            value="GB"/>
      <xs:enumeration                                            value="GC"/>
      <xs:enumeration                                           value="GB1"/>
      <xs:enumeration                                           value="GB2"/>
      <xs:enumeration                                         value="GB-M6"/>
      <xs:enumeration                                         value="GHE16"/>
      <xs:enumeration                                          value="W6-A"/>
      <xs:enumeration                                            value="SEa"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **PackingGroup**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration I enumeration II

	enumeration III
annotation	documentation 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 <=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
source	<xs:element name="PackingGroup"> <xs:annotation> <xs:documentation>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 <=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 </xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="I"/> <xs:enumeration value="II"/> <xs:enumeration value="III"/> </xs:restriction> </xs:simpleType> </xs:element>

element **ProcessType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**

properties

content simple

facets

Kind	Value	Annotation
enumeration	0	
enumeration	1	
enumeration	2	
enumeration	3	
enumeration	4	
enumeration	5	
enumeration	6	
enumeration	7	
enumeration	8	

annotation

documentation

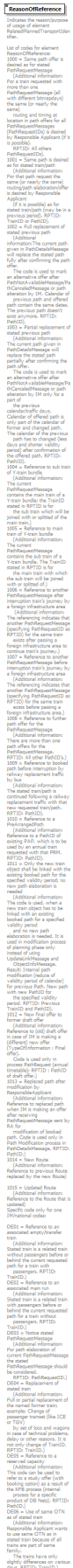
Process type to further distinguish among type of requests. Possible process types:
0 = New Path Request and allocation process for annual timetable
1 = Late Path Request and allocation process for annual timetable
2 = Short-term path request and allocation process
3 = Rolling Planning path request and allocation process
4 = Feasibility Study process
5 = Path Modification process (triggered by applicant)
6 = Path Alteration process (triggered by IM)
7 = Pre-arranged Path published by RFC
8 = Catalogue Path published by IM

source

```
<xs:element name="ProcessType">
  <xs:annotation>
    <xs:documentation>Process type to further distinguish among type of
requests. Possible process types:
            0 = New Path Request and allocation process for annual timetable
            1 = Late Path Request and allocation process for annual timetable
            2 = Short-term path request and allocation process
            3 = Rolling Planning path request and allocation process
            4 = Feasibility Study process
            5 = Path Modification process (triggered by applicant)
            6 = Path Alteration process (triggered by IM)
            7 = Pre-arranged Path published by RFC
            8 = Catalogue Path published by IM
            </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="0"/>
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
      <xs:enumeration value="3"/>
      <xs:enumeration value="4"/>
      <xs:enumeration value="5"/>
      <xs:enumeration value="6"/>
      <xs:enumeration value="7"/>
      <xs:enumeration value="8"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **ReasonOfReference**

diagram



namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 4 maxLength 4 enumeration 1000 documentation Same path offer is desired as for stated PathRequestMessage enumeration 1001 documentation Same path is desired as for stated train/path enumeration 1002 documentation Full replacement of stated previous path enumeration 1003 documentation Partial replacement of stated previous path enumeration 1004 documentation Reference to sub train of Y-train bundle enumeration 1005 documentation Reference to main train of Y-train bundle enumeration 1006 documentation Reference to another PathRequestMessage after interruption train's journey by a foreign infrastructure area enumeration 1007 documentation Reference to another PathRequestMessage before interruption train's journey by a foreign infrastructure area enumeration 1008 documentation Reference to further path offer for the PathRequestMessage enumeration 1009 documentation Reference to booked path before interruption by railway replacement traffic by bus enumeration 1010 documentation Reference to a PreArrangedPath enumeration 1011 documentation Only the new train object shall be linked with the existing booked path for the specified validity period; no new path elaboration is needed enumeration 1012 documentation New final offer to former draft offer enumeration 1013 documentation Replaced path after modification by ResponsibleApplicant enumeration 1014 documentation New Route enumeration 1015 documentation Updated Route enumeration DE01 documentation Reference to an associated empty/transfer train enumeration DE02 documentation Reference to an associated main run enumeration DE03 documentation Notice stated PathRequestMessage enumeration DE04 documentation Replacement of stated train enumeration DE05 documentation Reference to a reserved capacity enumeration DE06 documentation Use of same OTN as of stated train
annotation	documentation Indicates the reason/purpose of usage of element RelatedPlannedTransportIdentifier. List of codes for element ReasonOfReference: 1000 = Same path offer is desired as for stated PathRequestMessage (Additional information: For a train requested with more than one PathRequestMessage (all with different bitmapdays) the same (or nearly the same) routing and timing at location in path offers for all PathRequestMessages (PathRequestIDs) is desired by

	Responsible Applicant (if it is possible). RPTID: All others PathRequestIDs). 1001 = Same path is desired as for stated train/path (Additional information: For that path request the same (or nearly the same) routing/path elaboration/offer is desired by Responsible Applicant (if it is possible) as for stated train/path (may be in a previous period). RPTID: TrainID or PathID). 1002 = Full replacement of stated previous path (Additional information:The current path given in PathDetailsMessage will replace the stated path fully after confirming the path offer. The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM. Calendar of previous path and offered path contain the same dates. The previous path doesn't exist anymore. RPTID: PathID). 1003 = Partial replacement of stated previous path (Additional information: The current path given in PathDetailsMessage will replace the stated path partially after confirming the path offer. The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM only for a part of the previous calendar/traffic days. Calendar of offered path is only part of the calendar of former and changed path. The calendar of the previous path has to changed (less days and shorter validity period) after confirmation of the offered path. RPTID: PathID). 1004 = Reference to sub train of Y-train bundle (Additional information: The current PathRequestMessage contains the main train of a Y-train bundle; the TrainID stated in RPTID is for the sub train which will be joined with or splitted of the main train.) 1005 = Reference to main train of Y-train bundle (Additional information: The current PathRequestMessage contains the sub train of a Y-train bundle. The TrainID stated in RPTID is for the main train with which the sub train will be joined with or splitted of.) 1006 = Reference to another PathRequestMessage after interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists after passing a foreign infrastructure area to continue train's journey.) 1007 = Reference to another PathRequestMessage before interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists before passing a foreign infrastructure area.) 1008 = Reference to further path offer for the PathRequestMessage (Additional information: There are more than one path offers for the PathRequestMessage. RPTID: All other PathID's.) 1009 = Reference to booked path before interruption by railway replacement traffic by bus (Additional information: The stated train/path is continued following a railway replacement traffic with that new requested train/path. RPTID: PathID). 1010 = Reference to a PreArrangedPath (Additional information: Reference to a PathID of existing PAP, which is to be used by an annual train requested with that PRM. RPTID: PathID). 1011 = Only the new train object shall be linked with the existing booked path for the specified validity period; no new path elaboration is needed (Additional information: The code is used, when a new train object has to be linked with an existing booked path for a specified validity period and no new path elaboration is needed. It is used in modification process of planning phase only instead of using UpdateLinkMessage and ObjectInfoMessage. Result: Internal path modification (reduce of validity period of calendar) for previous Path. New path with new PathID for the specified validity period. RPTID: Previous TrainID and PathID). 1012 = New final offer to former draft offer (Additional information: Reference to (old) draft offer in case of IM is making a (different) new offer (TypeOfInformation : Final offer). Code is used only in process PathRequest (annual timetable); RPTID : PathID of draft offer.) 1013 = Replaced path after modification by ResponsibleApplicant (Additional information: Reference to replaced path when IM is making an offer after receiving PathRequestMessage sent by RA for modification of booked path. Code is used only in Path Modification process in PathDetailsMessage. RPTID: PathID.) 1014 = New Route (Additional information: Reference to previous Route replaced by the new Route)

	1015 = Updated Route (Additional information: Reference to the Route that is updated) Specific code only for one IM/national codes: DE01 = Reference to an associated empty/transfer train (Additional information: Stated train is a related train without passengers before or behind the current requested path for a train with passengers. RPTID: TrainID.) DE02 = Reference to an associated main run (Additional information: Stated train is a related train with passengers before or behind the current requested path for a train without passengers. RPTID: TrainID.) DE03 = Notice stated PathRequestMessage (Additional information: For path elaboration of current PathRequestMessage the stated PathRequestMessage should be considered. RPTID: PathRequestID.) DE04 = Replacement of stated train (Additional information: Full or partial replacement of the named former train; example: Change of passenger trainset (like ICE or TGV) by set of loco and wagons in case of technical problems, delay or other reasons. It is not only change of TrainID. RPTID: TrainID.) DE05 = Reference to a reserved capacity (Additional information: This code can be used to refer to a study offer (with booking option) as a result of the KFB process (internal process for a specific product of DB Netz). RPTID: PathID.) DE06 = Use of same OTN as of stated train (Additional information: Responsible Applicant wants to use same OTN as in stated train because of all trains are part of same family. The trains have only slightly differences on various days. RPTID: TrainID.)
source	<xs:element name="ReasonOfReference"> <xs:annotation> <xs:documentation>Indicates the reason/purpose of usage of element RelatedPlannedTransportIdentifier. List of codes for element ReasonOfReference: 1000 = Same path offer is desired as for stated PathRequestMessage (Additional information: For a train requested with more than one PathRequestMessage (all with different bitmapdays) the same (or nearly the same) routing and timing at location in path offers for all PathRequestMessages (PathRequestIDs) is desired by Responsible Applicant (if it is possible). RPTID: All others PathRequestIDs). 1001 = Same path is desired as for stated train/path (Additional information: For that path request the same (or nearly the same) routing/path elaboration/offer is desired by Responsible Applicant (if it is possible) as for stated train/path (may be in a previous period). RPTID: TrainID or PathID). 1002 = Full replacement of stated previous path (Additional information:The current path given in PathDetailsMessage will replace the stated path fully after confirming the path offer. The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM. Calendar of previous path and offered path contain the same dates. The previous path doesn’t exist anymore. RPTID: PathID). 1003 = Partial replacement of stated previous path (Additional information: The current path given in PathDetailsMessage will

	replace the stated path partially after confirming the path offer. The code is used to mark an alternative offer after PathNotAvailableMessage/PathCanceledMessage or path alteration by IM only for a part of the previous calendar/traffic days. Calendar of offered path is only part of the calendar of former and changed path. The calendar of the previous path has to changed (less days and shorter validity period) after confirmation of the offered path. RPTID: PathID). 1004 = Reference to sub train of Y-train bundle (Additional information: The current PathRequestMessage contains the main train of a Y-train bundle; the TrainID stated in RPTID is for the sub train which will be joined with or splitted of the main train.) 1005 = Reference to main train of Y-train bundle (Additional information: The current PathRequestMessage contains the sub train of a Y-train bundle. The TrainID stated in RPTID is for the main train with which the sub train will be joined with or splitted of.) 1006 = Reference to another PathRequestMessage after interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists after passing a foreign infrastructure area to continue train's journey.) 1007 = Reference to another PathRequestMessage before interruption train's journey by a foreign infrastructure area (Additional information: The referencing indicates that another PathRequestMessage (specifying PathRequestID as RPTID) for the same train exists before passing a foreign infrastructure area.) 1008 = Reference to further path offer for the PathRequestMessage (Additional information: There are more than one path offers for the PathRequestMessage. RPTID: All other PathID's.) 1009 = Reference to booked path before interruption by railway replacement traffic by bus (Additional information: The stated train/path is continued following a railway replacement traffic with that new requested train/path. RPTID: PathID). 1010 = Reference to a PreArrangedPath (Additional information: Reference to a PathID of existing PAP, which is to be used by an annual train requested with that PRM. RPTID: PathID). 1011 = Only the new train object shall be linked with the existing booked path for the specified validity period; no new path elaboration is needed (Additional information: The code is used, when a new train object has to be linked with an existing booked path for a specified validity period and no new path elaboration is needed. It is used in modification process of planning phase only instead of using UpdateLinkMessage and ObjectInfoMessage. Result: Internal path modification (reduce of validity period of calendar) for previous Path. New path with new PathID for the specified validity period. RPTID: Previous TrainID and PathID). 1012 = New final offer to former draft offer (Additional information: Reference to (old) draft offer in case of IM is making a (different) new offer (TypeOfInformation : Final offer). Code is used only in process PathRequest (annual timetable); RPTID : PathID of draft offer.) 1013 = Replaced path after modification by ResponsibleApplicant (Additional information: Reference to replaced path when IM is making an offer after receiving PathRequestMessage sent by RA for modification of booked path. Code is used only in Path Modification process in PathDetailsMessage. RPTID: PathID.)

1014 = New Route (Additional information: Reference to previous Route replaced by the new Route)

1015 = Updated Route (Additional information: Reference to the Route that is updated) Specific code only for one IM/national codes:

DE01 = Reference to an associated empty/transfer train (Additional information: Stated train is a related train without passengers before or behind the current requested path for a train with passengers. RPTID: TrainID.)
DE02 = Reference to an associated main run (Additional information: Stated train is a related train with passengers before or behind the current requested path for a train without passengers. RPTID: TrainID.)
DE03 = Notice stated PathRequestMessage (Additional information: For path elaboration of current PathRequestMessage the stated PathRequestMessage should be considered. RPTID: PathRequestID.)
DE04 = Replacement of stated train (Additional information: Full or partial replacement of the named former train; example: Change of passenger trainset (like ICE or TGV) by set of loco and wagons in case of technical problems, delay or other reasons. It is not only change of TrainID. RPTID: TrainID.)
DE05 = Reference to a reserved capacity (Additional information: This code can be used to refer to a study offer (with booking option) as a result of the KFB process (internal process for a specific product of DB Netz). RPTID: PathID.)
DE06 = Use of same OTN as of stated train (Additional information: Responsible Applicant wants to use same OTN as in stated train because of all trains are part of same family. The trains have only slightly differences on various days. RPTID: TrainID.)

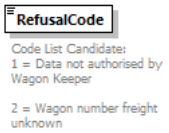
```
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:string">
      <xs:minLength value="4"/>
      <xs:maxLength value="4"/>
      <xs:enumeration value="1000">
        <xs:annotation>
          <xs:documentation>Same path offer is desired as for stated PathRequestMessage</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1001">
        <xs:annotation>
          <xs:documentation>Same path is desired as for stated train/path</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1002">
        <xs:annotation>
          <xs:documentation>Full replacement of stated previous path</xs:documentation>
        </xs:annotation>
```

```
      </xs:enumeration>
      <xs:enumeration                                          value="1003">
        <xs:annotation>
          <xs:documentation>Partial    replacement    of    stated    previous
path</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="1004">
        <xs:annotation>
          <xs:documentation>Reference    to    sub    train    of    Y-train
bundle</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="1005">
        <xs:annotation>
          <xs:documentation>Reference    to    main    train    of    Y-train
bundle</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="1006">
        <xs:annotation>
          <xs:documentation>Reference  to  another  PathRequestMessage  after
interruption    train's    journey    by    a    foreign    infrastructure
area</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="1007">
        <xs:annotation>
          <xs:documentation>Reference  to  another  PathRequestMessage  before
interruption    train's    journey    by    a    foreign    infrastructure
area</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="1008">
        <xs:annotation>
          <xs:documentation>Reference   to   further   path   offer   for   the
PathRequestMessage</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="1009">
        <xs:annotation>
          <xs:documentation>Reference to booked path before interruption by
railway      replacement      traffic      by      bus</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="1010">
        <xs:annotation>
          <xs:documentation>Reference to a PreArrangedPath</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="1011">
        <xs:annotation>
          <xs:documentation>Only the new train object shall be linked with
the existing booked path for the specified validity period; no new path
elaboration                  is                  needed</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="1012">
```

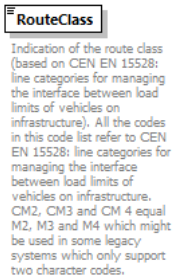
```
        <xs:annotation>
          <xs:documentation>New final offer to former draft
offer</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1013">
        <xs:annotation>
          <xs:documentation>Replaced path after modification by
ResponsibleApplicant</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1014">
        <xs:annotation>
          <xs:documentation>New Route</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="1015">
        <xs:annotation>
          <xs:documentation>Updated Route</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE01">
        <xs:annotation>
          <xs:documentation>Reference to an associated empty/transfer
train</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE02">
        <xs:annotation>
          <xs:documentation>Reference to an associated main
run</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE03">
        <xs:annotation>
          <xs:documentation>Notice stated
PathRequestMessage</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE04">
        <xs:annotation>
          <xs:documentation>Replacement of stated train</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE05">
        <xs:annotation>
          <xs:documentation>Reference to a reserved
capacity</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="DE06">
        <xs:annotation>
          <xs:documentation>Use of same OTN as of stated
train</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
```

	</xs:element>

element **RefusalCode**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation enumeration 1 enumeration 2
annotation	documentation Code List Candidate: 1 = Data not authorised by Wagon Keeper 2 = Wagon number freight unknown
source	<xs:element name="RefusalCode"> <xs:annotation> <xs:documentation>Code List Candidate: 1 = Data not authorised by Wagon Keeper 2 = Wagon number freight unknown</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:integer"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> </xs:restriction> </xs:simpleType> </xs:element>

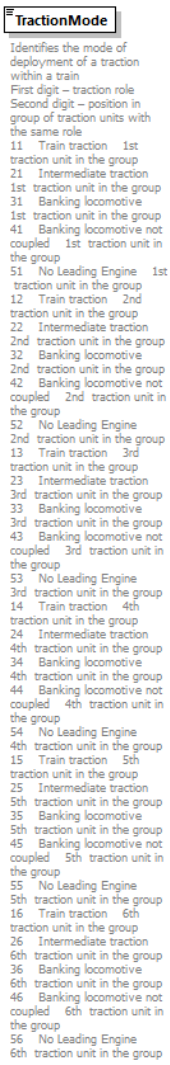
element **RouteClass**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	content simple
facets	Kind Value Annotation minLength 1

	maxLength 3 enumeration A enumeration B enumeration B1 enumeration B2 enumeration C enumeration C2 enumeration C3 enumeration C4 enumeration CM enumeration CM2 enumeration CM3 enumeration CM4 enumeration CE enumeration D enumeration D2 enumeration D3 enumeration D4 enumeration D5 enumeration E enumeration E4 enumeration E5 enumeration E6 enumeration F enumeration G
annotation	documentation Indication of the route class (based on CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure). All the codes in this code list refer to CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure. CM2, CM3 and CM 4 equal M2, M3 and M4 which might be used in some legacy systems which only support two character codes.
source	<xs:element name="RouteClass"> <xs:annotation> <xs:documentation>Indication of the route class (based on CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure). All the codes in this code list refer to CEN EN 15528: line categories for managing the interface between load limits of vehicles on infrastructure. CM2, CM3 and CM 4 equal M2, M3 and M4 which might be used in some legacy systems which only support two character codes.</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:string"> <xs:minLength value="1"/> <xs:maxLength value="3"/> <xs:enumeration value="A"/> <xs:enumeration value="B"/> <xs:enumeration value="B1"/> <xs:enumeration value="B2"/> <xs:enumeration value="C"/> <xs:enumeration value="C2"/> <xs:enumeration value="C3"/> <xs:enumeration value="C4"/>

```
      <xs:enumeration value="CM"/>
      <xs:enumeration value="CM2"/>
      <xs:enumeration value="CM3"/>
      <xs:enumeration value="CM4"/>
      <xs:enumeration value="CE"/>
      <xs:enumeration value="D"/>
      <xs:enumeration value="D2"/>
      <xs:enumeration value="D3"/>
      <xs:enumeration value="D4"/>
      <xs:enumeration value="D5"/>
      <xs:enumeration value="E"/>
      <xs:enumeration value="E4"/>
      <xs:enumeration value="E5"/>
      <xs:enumeration value="E6"/>
      <xs:enumeration value="F"/>
      <xs:enumeration value="G"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TractionMode**

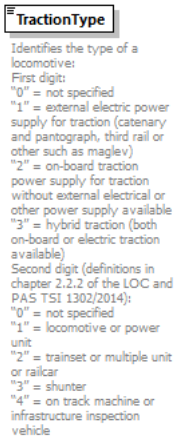
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	content simple
facets	Kind Value Annotation minInclusive 11 maxInclusive 99 enumeration 11 enumeration 21 enumeration 31 enumeration 41 enumeration 51 enumeration 12 enumeration 22 enumeration 32 enumeration 42 enumeration 52

	enumeration 13 enumeration 23 enumeration 33 enumeration 43 enumeration 53 enumeration 14 enumeration 24 enumeration 34 enumeration 44 enumeration 54 enumeration 15 enumeration 25 enumeration 35 enumeration 45 enumeration 55 enumeration 16 enumeration 26 enumeration 36 enumeration 46 enumeration 56
annotation	documentation Identifies the mode of deployment of a traction within a train First digit – traction role Second digit – position in group of traction units with the same role 11 Train traction 1st traction unit in the group 21 Intermediate traction 1st traction unit in the group 31 Banking locomotive 1st traction unit in the group 41 Banking locomotive not coupled 1st traction unit in the group 51 No Leading Engine 1st traction unit in the group 12 Train traction 2nd traction unit in the group 22 Intermediate traction 2nd traction unit in the group 32 Banking locomotive 2nd traction unit in the group 42 Banking locomotive not coupled 2nd traction unit in the group 52 No Leading Engine 2nd traction unit in the group 13 Train traction 3rd traction unit in the group 23 Intermediate traction 3rd traction unit in the group 33 Banking locomotive 3rd traction unit in the group 43 Banking locomotive not coupled 3rd traction unit in the group 53 No Leading Engine 3rd traction unit in the group 14 Train traction 4th traction unit in the group 24 Intermediate traction 4th traction unit in the group 34 Banking locomotive 4th traction unit in the group 44 Banking locomotive not coupled 4th traction unit in the group 54 No Leading Engine 4th traction unit in the group 15 Train traction 5th traction unit in the group 25 Intermediate traction 5th traction unit in the group 35 Banking locomotive 5th traction unit in the group 45 Banking locomotive not coupled 5th traction unit in the group 55 No Leading Engine 5th traction unit in the group 16 Train traction 6th traction unit in the group 26 Intermediate traction 6th traction unit in the group 36 Banking locomotive 6th traction unit in the group 46 Banking locomotive not coupled 6th traction unit in the group 56 No Leading Engine 6th traction unit in the group
source	<xs:element name="TractionMode">

```
  <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
12          Train   traction          2nd     traction   unit   in   the   group
22        Intermediate  traction        2nd    traction  unit  in  the  group
32         Banking  locomotive         2nd    traction  unit  in  the  group
42     Banking locomotive not coupled     2nd   traction unit in the group
52         No  Leading  Engine         2nd    traction  unit  in  the  group
13          Train   traction          3rd     traction   unit   in   the   group
23        Intermediate  traction        3rd    traction  unit  in  the  group
33         Banking  locomotive         3rd    traction  unit  in  the  group
43     Banking locomotive not coupled     3rd   traction unit in the group
53         No  Leading  Engine         3rd    traction  unit  in  the  group
14          Train   traction          4th     traction   unit   in   the   group
24        Intermediate  traction        4th    traction  unit  in  the  group
34         Banking  locomotive         4th    traction  unit  in  the  group
44     Banking locomotive not coupled     4th   traction unit in the group
54         No  Leading  Engine         4th    traction  unit  in  the  group
15          Train   traction          5th     traction   unit   in   the   group
25        Intermediate  traction        5th    traction  unit  in  the  group
35         Banking  locomotive         5th    traction  unit  in  the  group
45     Banking locomotive not coupled     5th   traction unit in the group
55         No  Leading  Engine         5th    traction  unit  in  the  group
16          Train   traction          6th     traction   unit   in   the   group
26        Intermediate  traction        6th    traction  unit  in  the  group
36         Banking  locomotive         6th    traction  unit  in  the  group
46     Banking locomotive not coupled     6th   traction unit in the group
56         No  Leading  Engine         6th    traction  unit  in  the  group
        </xs:documentation>
  </xs:annotation>
  <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="12"/>
      <xs:enumeration                                            value="22"/>
      <xs:enumeration                                            value="32"/>
      <xs:enumeration                                            value="42"/>
      <xs:enumeration                                            value="52"/>
      <xs:enumeration                                            value="13"/>
      <xs:enumeration                                            value="23"/>
      <xs:enumeration                                            value="33"/>
      <xs:enumeration                                            value="43"/>
      <xs:enumeration                                            value="53"/>
      <xs:enumeration                                            value="14"/>
      <xs:enumeration                                            value="24"/>
```

```
      <xs:enumeration value="34"/>
      <xs:enumeration value="44"/>
      <xs:enumeration value="54"/>
      <xs:enumeration value="15"/>
      <xs:enumeration value="25"/>
      <xs:enumeration value="35"/>
      <xs:enumeration value="45"/>
      <xs:enumeration value="55"/>
      <xs:enumeration value="16"/>
      <xs:enumeration value="26"/>
      <xs:enumeration value="36"/>
      <xs:enumeration value="46"/>
      <xs:enumeration value="56"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TractionType**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind / Value / Annotation enumeration 00 enumeration 01 enumeration 02 enumeration 03 enumeration 04 enumeration 10 enumeration 11 enumeration 12 enumeration 13 enumeration 14 enumeration 20 enumeration 21 enumeration 22 enumeration 23

enumeration 24
enumeration 30
enumeration 31
enumeration 32
enumeration 33
enumeration 34

annotation

documentation
Identifies the type of a locomotive:
First digit:
“0” = not specified
“1” = external electric power supply for traction (catenary and pantograph, third rail or other such as maglev)
“2” = on-board traction power supply for traction without external electrical or other power supply available
“3” = hybrid traction (both on-board or electric traction available)
Second digit (definitions in chapter 2.2.2 of the LOC and PAS TSI 1302/2014):
“0” = not specified
“1” = locomotive or power unit
“2” = trainset or multiple unit or railcar
“3” = shunter
“4” = on track machine or infrastructure inspection vehicle

source

```
<xs:element name="TractionType">
  <xs:annotation>
    <xs:documentation>Identifies the type of a locomotive:
First digit:
“0” = not specified
“1” = external electric power supply for traction (catenary and pantograph, third rail or other such as maglev)
“2” = on-board traction power supply for traction without external electrical or other power supply available
“3” = hybrid traction (both on-board or electric traction available)
Second digit (definitions in chapter 2.2.2 of the LOC and PAS TSI 1302/2014):
“0” = not specified
“1” = locomotive or power unit
“2” = trainset or multiple unit or railcar
“3” = shunter
“4” = on track machine or infrastructure inspection vehicle
    </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="00"/>
      <xs:enumeration value="01"/>
      <xs:enumeration value="02"/>
      <xs:enumeration value="03"/>
      <xs:enumeration value="04"/>
      <xs:enumeration value="10"/>
      <xs:enumeration value="11"/>
      <xs:enumeration value="12"/>
      <xs:enumeration value="13"/>
      <xs:enumeration value="14"/>
      <xs:enumeration value="20"/>
      <xs:enumeration value="21"/>
      <xs:enumeration value="22"/>
      <xs:enumeration value="23"/>
      <xs:enumeration value="24"/>
      <xs:enumeration value="30"/>
      <xs:enumeration value="31"/>
```

```
      <xs:enumeration                                    value="32"/>
      <xs:enumeration                                    value="33"/>
      <xs:enumeration                                    value="34"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TrainRadioSystem**

diagram

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

type: restriction of **xs:token**

properties: content simple

facets

Kind	Value	Annotation
enumeration	1	
enumeration	2	

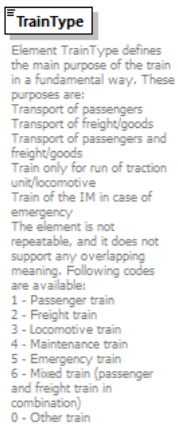
annotation: documentation
The on board radio system of the train in coded format

source

```
<xs:element                                          name="TrainRadioSystem">
  <xs:annotation>
    <xs:documentation>The on board radio system of the train in coded
format</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                        base="xs:token">
      <xs:enumeration                                           value="1"/>
      <xs:enumeration                                           value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TrainType**

diagram



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

type: restriction of **xs:integer**

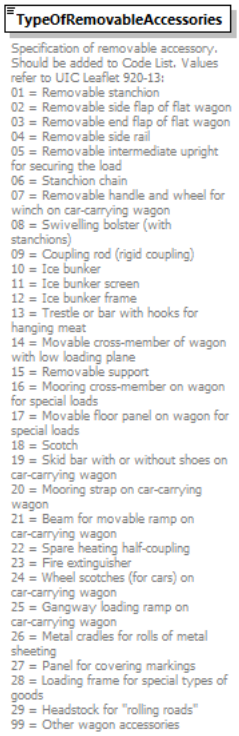
properties	content simple
facets	Kind Value Annotation enumeration 0 enumeration 1 enumeration 2 enumeration 3 enumeration 4 enumeration 5 enumeration 6
annotation	documentation Element TrainType defines the main purpose of the train in a fundamental way. These purposes are: Transport of passengers Transport of freight/goods Transport of passengers and freight/goods Train only for run of traction unit/locomotive Train of the IM in case of emergency The element is not repeatable, and it does not support any overlapping meaning. Following codes are available: 1 - Passenger train 2 - Freight train 3 - Locomotive train 4 - Maintenance train 5 - Emergency train 6 - Mixed train (passenger and freight train in combination) 0 - Other train

source

```
<xs:element name="TrainType">
  <xs:annotation>
    <xs:documentation>Element TrainType defines the main purpose of the train
in a fundamental way. These purposes are:
Transport of passengers
Transport of freight/goods
Transport of passengers and freight/goods
Train only for run of traction unit/locomotive
Train of the IM in case of emergency
The element is not repeatable, and it does not support any overlapping meaning.
Following codes are available:
1 - Passenger train
2 - Freight train
3 - Locomotive train
4 - Maintenance train
5 - Emergency train
6 - Mixed train (passenger and freight train in combination)
0 - Other train
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:integer">
      <xs:enumeration value="0"/>
      <xs:enumeration value="1"/>
      <xs:enumeration value="2"/>
      <xs:enumeration value="3"/>
      <xs:enumeration value="4"/>
      <xs:enumeration value="5"/>
      <xs:enumeration value="6"/>
    </xs:restriction>
  </xs:simpleType>
```

	</xs:element>

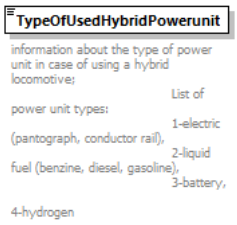
element **TypeOfRemovableAccessories**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration 01 enumeration 02 enumeration 03 enumeration 04 enumeration 05 enumeration 06 enumeration 07 enumeration 08 enumeration 09 enumeration 10 enumeration 11 enumeration 12 enumeration 13 enumeration 14 enumeration 15 enumeration 16 enumeration 17 enumeration 18 enumeration 19

	enumeration 20 enumeration 21 enumeration 22 enumeration 23 enumeration 24 enumeration 25 enumeration 26 enumeration 27 enumeration 28 enumeration 29 enumeration 99
annotation	documentation Specification of removable accessory. Should be added to Code List. Values refer to UIC Leaflet 920-13: 01 = Removable stanchion 02 = Removable side flap of flat wagon 03 = Removable end flap of flat wagon 04 = Removable side rail 05 = Removable intermediate upright for securing the load 06 = Stanchion chain 07 = Removable handle and wheel for winch on car-carrying wagon 08 = Swivelling bolster (with stanchions) 09 = Coupling rod (rigid coupling) 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
source	<xs:element name="TypeOfRemovableAccessories"> <xs:annotation> <xs:documentation>Specification of removable accessory. Should be added to Code List. Values refer to UIC Leaflet 920-13: 01 = Removable stanchion 02 = Removable side flap of flat wagon 03 = Removable end flap of flat wagon 04 = Removable side rail 05 = Removable intermediate upright for securing the load 06 = Stanchion chain 07 = Removable handle and wheel for winch on car-carrying wagon 08 = Swivelling bolster (with stanchions) 09 = Coupling rod (rigid coupling)

```
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: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="09"/>
      <xs:enumeration value="10"/>
      <xs:enumeration value="11"/>
      <xs:enumeration value="12"/>
      <xs:enumeration value="13"/>
      <xs:enumeration value="14"/>
      <xs:enumeration value="15"/>
      <xs:enumeration value="16"/>
      <xs:enumeration value="17"/>
      <xs:enumeration value="18"/>
      <xs:enumeration value="19"/>
      <xs:enumeration value="20"/>
      <xs:enumeration value="21"/>
      <xs:enumeration value="22"/>
      <xs:enumeration value="23"/>
      <xs:enumeration value="24"/>
      <xs:enumeration value="25"/>
      <xs:enumeration value="26"/>
      <xs:enumeration value="27"/>
      <xs:enumeration value="28"/>
      <xs:enumeration value="29"/>
      <xs:enumeration value="99"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **TypeOfUsedHybridPowerunit**

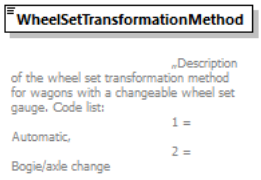
diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration 1 documentation electric (pantograph, conductor rail) enumeration 2 documentation liquid fuel (benzine, diesel, gasoline) enumeration 3 documentation battery enumeration 4 documentation hydrogen
annotation	documentation information about the type of power unit in case of using a hybrid locomotive; List of power unit types: 1-electric (pantograph, conductor rail), 2-liquid fuel (benzine, diesel, gasoline), 3-battery, 4-hydrogen

source

```
<xs:element name="TypeOfUsedHybridPowerunit">
  <xs:annotation>
    <xs:documentation>information about the type of power unit in case of
using a hybrid locomotive;
List of power unit types:
1-electric (pantograph, conductor rail),
2-liquid fuel (benzine, diesel, gasoline),
3-battery,
4-hydrogen
</xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction base="xs:token">
      <xs:enumeration value="1">
        <xs:annotation>
          <xs:documentation>electric (pantograph, conductor
rail)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="2">
        <xs:annotation>
          <xs:documentation>liquid fuel (benzine, diesel,
gasoline)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="3">
```

```
        <xs:annotation>
          <xs:documentation>battery</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                    value="4">
        <xs:annotation>
          <xs:documentation>hydrogen</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

element **WheelSetTransformationMethod**

diagram	
namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	content simple
facets	Kind Value Annotation enumeration 1 enumeration 2
annotation	documentation „Description of the wheel set transformation method for wagons with a changeable wheel set gauge. Code list: 1 = Automatic, 2 = Bogie/axle change
source	see below

```
<xs:element                                  name="WheelSetTransformationMethod">
  <xs:annotation>
    <xs:documentation>
                  „Description of the wheel set transformation method for
wagons    with    a    changeable    wheel    set    gauge.    Code    list:
                  1                    =                    Automatic,
                  2            =            Bogie/axle            change
                  </xs:documentation>
  </xs:annotation>
  <xs:simpleType>
    <xs:restriction                                          base="xs:token">
      <xs:enumeration                                             value="1"/>
      <xs:enumeration                                             value="2"/>
    </xs:restriction>
  </xs:simpleType>
</xs:element>
```

simpleType **ConsignmentTypeCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	base xs:token
facets	Kind Value Annotation enumeration CIM enumeration Other
annotation	documentation Identifies the type of a waybill. CIM Convention Internationale Marchandises (OTIF) Source: CIM (OTIF)

source

```
<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>
```

simpleType **DelayCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
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	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) 8 External causes 9 Secondary causes 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

source

```
<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)
8                              External                                causes
9                              Secondary                               causes
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

                  </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"/>
      <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>
```

simpleType **InfoIndex**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
facets	Kind / Value / Annotation enumeration 10 enumeration 20 enumeration 30
annotation	documentation indicates additional information

source

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

simpleType **MessageCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	base xs:integer
facets	Kind / Value / Annotation minInclusive 1

	maxInclusive 9999
annotation	documentation Identifies the type of message
source	<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>

simpleType **RestrictionCodes**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	base xs:token
facets	Kind Value Annotation enumeration 07 enumeration 08 enumeration 09 enumeration 11 enumeration 12 enumeration 13 enumeration 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 All codes of Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers Traffic are in the same list. F = Freight P = Passenger T = Technical D = Damage L = Load Code F or P Description T D L 07 F Shunt only when hand brake operable with ground staff x x 08 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 x 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 25 F Gas carrying tank wagon with orange side stripe x 30 P (+F) CCS fault (see CCS coding list) x 31 P (+F) Braking system fault x 32 P (+F) Wheelset, bogie fault

| | | |

```
        x       x       x
90      P       Train planned with passengers operated without passengers

                                                                    x
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       x
94      F       Gas carrying wagon without orange side stripe

                                                                                x
99      P       Other

                                                                                x
        x
```

source

```
<xs:simpleType                                          name="RestrictionCodes">
  <xs:annotation>
    <xs:documentation>
                                                                All    codes    of
Transport restrictions for Freight Traffic (cf. UIC 920-13) and Passengers
Traffic          are          in          the          same          list.
                                                                  F    =    Freight
P                                    =                                  Passenger
T                                    =                                  Technical
D                                      =                                   Damage
L                                        =                                   Load

Code   F or P Description


                                           T      D      L
07     F      Shunt only when hand brake operable with ground staff


       x             x
08     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
```

| | | |

```
42     F      Place this wagon at the rear of the train


                              x      x      x
50     P (+F) Speed restriction


                                                 x      x
52     P (+F) Diesel locomotive instead of electric locomotive


       x      (X)                                                                F
61     F      Wagon forming part of a consignment of several wagons


       x
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      x      x
71     F      Shunt with special care (2 red triangle)


                              x      x      x
90     P      Train planned with passengers operated without passengers


       x
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      x
94     F      Gas carrying wagon without orange side stripe


              x
99     P      Other


                                                                          x
       x


       </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"/>
      <xs:enumeration value="94"/>
      <xs:enumeration value="99"/>
    </xs:restriction>
  </xs:simpleType>
```

simpleType **RunningStatus**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	base xs:token
facets	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

annotation

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	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	

source

```
<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 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


                    </xs:documentation>
  </xs:annotation>
  <xs:restriction                                          base="xs:token">
    <xs:enumeration                                            value="00"/>
    <xs:enumeration                                            value="01"/>
    <xs:enumeration                                            value="02"/>
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    <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>
```

simpleType **TrainCC_SystemCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	base xs:token
facets	Kind / Value / Annotation enumeration 01 enumeration 02 enumeration 03 enumeration 04 enumeration 05 enumeration 06 enumeration 07 enumeration 08 enumeration 09 enumeration 10 enumeration 11 enumeration 12 enumeration 13

	enumeration 14 enumeration 15 enumeration 16 enumeration 17 enumeration 18 enumeration 19 enumeration 20 enumeration 21 enumeration 22 enumeration 23 enumeration 24 enumeration 25 enumeration 26 enumeration 27 enumeration 28 enumeration 29 enumeration 30 enumeration 31 enumeration 32 enumeration 33 enumeration 34 enumeration 35 enumeration 36 enumeration 37 enumeration 38 enumeration 39 enumeration 40 enumeration 41 enumeration 42 enumeration 43 enumeration 44 enumeration 45 enumeration 46 enumeration 47 enumeration 48 enumeration 49 enumeration 50 enumeration 51 enumeration 52 enumeration 53 enumeration 54
annotation	documentation Type of Train Control System Identifies the command control system of the train in coded values. 1 ALSN 2 ASFA 3 ATB 1st Gen 4 ATB Next Gen 5 ATC 6 ATP 7 CIR 1 (traction unit is equipped with LZB CIR-ELKE I)

	8 CIR 1+2 (traction unit is equipped with LZB CIR-ELKE I + II) 9 CIR 2 (traction unit is equipped with LZB CIR-ELKE II) 10 Crocodile 11 DAAT 12 EBICAB 700 13 EBICAB 900 14 EFA (all traction units/driving cabins of the train are equipped with an electronic drivers cab display (EFA)) 15 ETCS L1 LS plus EuroZUB 16 ETCS L1 SRS 2.3.0d (traction unit is equipped with ETCS Level 1 version 2.3.0d) 17 ETCS L2 SRS 2.3.0d (traction unit is equipped with ETCS Level 2 version 2.3.0d) 18 ETCS L2 SRS 3.3.0 (traction unit is equipped with ETCS Level 2 version 3.3.0) 19 ETCS L2 SRS 3.4.0 (traction unit is equipped with ETCS Level 2 version 3.4.0) 20 ETCS L2 SRS 3.6.0 (traction unit is equipped with ETCS Level 2 version 3.6.0) 21 ETCS Level 0 22 ETCS Level 1 23 ETCS Level 2 24 ETCS Level 3 25 ETCS Level NSC 26 EVM 27 Indusi 54 28 Indusi 60 R 29 Indusi PZ 80 30 KBS-E 31 KCVB 32 KCVP 33 KVB 34 KVBP 35 LS 36 LS 90 37 LS I 38 LS III 39 LS IV 40 LZB 41 Mirel 42 NEXTEO 43 PZB 44 PZB90 45 SCMT 46 SHP 47 SIFA 48 STM ASFA 49 STM LZB 50 TBL 1 51 TBL 2 52 TVM 300 53 TVM 430 54 ZUB
source	<xs:simpleType name="TrainCC_SystemCode"> <xs:annotation> <xs:documentation>Type of Train Control System Identifies the command control system of the train in coded values. 1 ALSN 2 ASFA 3 ATB 1st Gen 4 ATB Next Gen 5 ATC 6 ATP 7 CIR 1 (traction unit is equipped with LZB CIR-ELKE I) 8 CIR 1+2 (traction unit is equipped with LZB CIR-ELKE I + II) 9 CIR 2 (traction unit is equipped with LZB CIR-ELKE II) 10 Crocodile 11 DAAT

```
12                                                    EBICAB             700
13                                                    EBICAB             900
14    EFA (all traction units/driving cabins of the train are equipped with
an        electronic        drivers        cab        display        (EFA))
15                             ETCS       L1       LS       plus       EuroZUB
16   ETCS L1 SRS 2.3.0d (traction unit is equipped with ETCS Level 1 version
2.3.0d)
17   ETCS L2 SRS 2.3.0d (traction unit is equipped with ETCS Level 2 version
2.3.0d)
18    ETCS L2 SRS 3.3.0 (traction unit is equipped with ETCS Level 2 version
3.3.0)
19    ETCS L2 SRS 3.4.0 (traction unit is equipped with ETCS Level 2 version
3.4.0)
20    ETCS L2 SRS 3.6.0 (traction unit is equipped with ETCS Level 2 version
3.6.0)
21                                              ETCS          Level          0
22                                              ETCS          Level          1
23                                              ETCS          Level          2
24                                              ETCS          Level          3
25                                             ETCS          Level          NSC
26                                                                          EVM
27                                                          Indusi           54
28                                               Indusi          60          R
29                                               Indusi          PZ          80
30                                                                       KBS-E
31                                                                        KCVB
32                                                                        KCVP
33                                                                         KVB
34                                                                        KVBP
35                                                                          LS
36                                                        LS               90
37                                                         LS               I
38                                                       LS                III
39                                                        LS               IV
40                                                                        LZB
41                                                                       Mirel
42                                                                      NEXTEO
43                                                                         PZB
44                                                                       PZB90
45                                                                        SCMT
46                                                                         SHP
47                                                                        SIFA
48                                                      STM               ASFA
49                                                       STM              LZB
50                                                         TBL             1
51                                                         TBL             2
52                                                       TVM               300
53                                                       TVM               430
54                                                      ZUB</xs:documentation>
  </xs:annotation>
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    <xs:enumeration                                                   value="02"/>
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    <xs:enumeration                                                   value="04"/>
    <xs:enumeration                                                   value="05"/>
    <xs:enumeration                                                   value="06"/>
    <xs:enumeration                                                   value="07"/>
```

```
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      <xs:enumeration value="50"/>
      <xs:enumeration value="51"/>
      <xs:enumeration value="52"/>
      <xs:enumeration value="53"/>
      <xs:enumeration value="54"/>
    </xs:restriction>
  </xs:simpleType>
```

simpleType **TypeOfIMHarmonizationCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
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	<xs:simpleType name="TypeOfIMHarmonizationCode"> <xs:annotation> <xs:documentation>Enumeration of Type of IM harmonization: Full, Part</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Full"/> <xs:enumeration value="Part"/> </xs:restriction> </xs:simpleType>

simpleType **TypeOfInformationCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:integer**
properties	base xs:integer
facets	Kind Value Annotation minInclusive 0 maxInclusive 99 enumeration 1 documentation: harmonisation - in process enumeration 2 documentation: harmonisation - accepted enumeration 3 documentation: harmonisation - rejected enumeration 4 documentation: Request ready enumeration 5 documentation: path study request enumeration 6 documentation: pre-arranged path/reserve capacity enumeration 7 documentation: create offer enumeration 8 documentation: coordination update enumeration 9 documentation: draft offer enumeration 10 documentation: draft alternative offer enumeration 11 documentation: observation - in process enumeration 12 documentation: observation - complete enumeration 13 documentation: preparation of final offer - in process enumeration 14 documentation: preparation of final offer - accepted enumeration 15 documentation: preparation of final offer - rejected enumeration 16 documentation: final offer

	enumeration 17 documentation final offer - accepted enumeration 18 documentation alternative offer accepted enumeration 19 documentation pre-accepted offer enumeration 20 documentation Final Offer rejected enumeration 21 documentation no alternative available enumeration 22 documentation booked enumeration 23 documentation preparation of draft alternative offer is in progress enumeration 24 documentation alternative offer triggered by IM enumeration 25 documentation offer/final offer rejected (without revision) enumeration 26 documentation alternative offer rejected (without revision) enumeration 27 documentation offer/final offer rejected (revision required) enumeration 28 documentation alternative offer rejected (revision required) enumeration 29 documentation withdrawal enumeration 30 documentation Create Dossier enumeration 31 documentation Close Dossier enumeration 32 documentation Path canceled full enumeration 33 documentation Path canceled partial enumeration 40 documentation Fully Assembled Path (FAP, constructed path) enumeration 42 documentation Preparation of draft offer – accepted enumeration 43 documentation Preparation of draft offer – rejected enumeration 44 documentation Draft offer rejected enumeration 45 documentation Draft no alternative available enumeration 50 documentation activate path (utilisation notification) enumeration 51 documentation deactivate path (utilisation notification) enumeration 52 documentation confirmation of utilisation notification enumeration 53 documentation Path and train cancelled
annotation	documentation Enumeration indicating to which process step / process type in the planning does the message belong: 01 harmonisation - in process 02 harmonisation - accepted 03 harmonisation - rejected 04 harmonisation - completed 05 path study request 06 pre-arranged path/reserve capacity 07 create offer 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 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) 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
source	<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 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)
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">
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      </xs:annotation>
    </xs:enumeration>
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      </xs:annotation>
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      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                                 value="4">
      <xs:annotation>
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      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                                 value="5">
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      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                                 value="6">
      <xs:annotation>
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capacity</xs:documentation>
      </xs:annotation>
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      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                                 value="8">
      <xs:annotation>
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      </xs:annotation>
```

```
    </xs:enumeration>
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    </xs:enumeration>
    <xs:enumeration                                         value="10">
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      </xs:annotation>
    </xs:enumeration>
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      <xs:annotation>
        <xs:documentation>observation      -      complete</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                         value="13">
      <xs:annotation>
        <xs:documentation>preparation     of     final     offer     -     in
process</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                         value="14">
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        <xs:documentation>preparation       of       final       offer       -
accepted</xs:documentation>
      </xs:annotation>
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rejected</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
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      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                         value="17">
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      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                         value="18">
      <xs:annotation>
        <xs:documentation>alternative    offer    accepted</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                         value="19">
      <xs:annotation>
        <xs:documentation>pre-accepted              offer</xs:documentation>
      </xs:annotation>
```

```
    </xs:enumeration>
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      </xs:annotation>
    </xs:enumeration>
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      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                                value="22">
      <xs:annotation>
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      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                                value="23">
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progress</xs:documentation>
      </xs:annotation>
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IM</xs:documentation>
        <!--                          <xs:documentation>Preparation      of
draft         offer         -         accepted</xs:documentation>         -->
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revision)</xs:documentation>
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revision)</xs:documentation>
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required)</xs:documentation>
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required)</xs:documentation>
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```

```
    </xs:enumeration>
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      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                          value="31">
      <xs:annotation>
        <xs:documentation>Close                   Dossier</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                          value="32">
      <xs:annotation>
        <xs:documentation>Path        canceled        full</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                          value="33">
      <xs:annotation>
        <xs:documentation>Path      canceled      partial</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                          value="40">
      <xs:annotation>
        <xs:documentation>Fully    Assembled    Path    (FAP,    constructed
path)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
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        <xs:documentation>Preparation       of       draft       offer       -
accepted</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                          value="43">
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rejected</xs:documentation>
      </xs:annotation>
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      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                          value="45">
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        <xs:documentation>Draft  no  alternative  available</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                          value="50">
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notification)</xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration                                          value="51">
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        <xs:documentation>deactivate            path            (utilisation
```

```
notification)</xs:documentation>
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    <xs:enumeration                                                value="52">
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notification</xs:documentation>
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  </xs:restriction>
</xs:simpleType>
```

simpleType **TypeOfRequestCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:short**
properties	base xs:short
facets	Kind / Value / Annotation minInclusive 1 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

```
<xs:simpleType                                          name="TypeOfRequestCode">
  <xs:annotation>
    <xs:documentation> Enumeration for 3 different basic types of the
processes in the planning: Study (1), Request (2), Modification
(3)</xs:documentation>
  </xs:annotation>
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    <xs:minInclusive                                           value="1"/>
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    <xs:enumeration                                            value="2"/>
    <xs:enumeration                                            value="3"/>
  </xs:restriction>
</xs:simpleType>
```

simpleType **TypeOfRUHarmonizationCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:string**
properties	base xs:string
facets	Kind / Value / Annotation enumeration Full enumeration Part

	enumeration None
annotation	documentation Type of RU harmonization: Full, Part, None.
source	<xs:simpleType name="TypeOfRUHarmonizationCode"> <xs:annotation> <xs:documentation>Type of RU harmonization: Full, Part, None.</xs:documentation> </xs:annotation> <xs:restriction base="xs:string"> <xs:enumeration value="Full"/> <xs:enumeration value="Part"/> <xs:enumeration value="None"/> </xs:restriction> </xs:simpleType>

simpleType **UnitType**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
properties	base xs:token
facets	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	documentation Indicates the type of a Transportation unit. 1 Container 2 Other intermodal traffic 4 Rolling road (RR) 6 Semi-trailer on bogies 10 Container less than 20' 11 Container 20' 12 Container 30' 13 Container 40' 40 Semi-trailer truck/articulated lorry

	41 Road tractor 42 Lorry without trailer 43 Lorry with trailer 50 Semi-trailer/road semi-trailer 51 Swap bodies
source	<xs:simpleType name="UnitType"> <xs:annotation> <xs:documentation>Indicates the type of a Transportation unit. 1 Container 2 Other intermodal traffic 4 Rolling road (RR) 6 Semi-trailer on bogies 10 Container less than 20’ 11 Container 20’ 12 Container 30’ 13 Container 40’ 40 Semi-trailer truck/articulated lorry 41 Road tractor 42 Lorry without trailer 43 Lorry with trailer 50 Semi-trailer/road semi-trailer 51 Swap bodies </xs:documentation> </xs:annotation> <xs:restriction base="xs:token"> <xs:enumeration value="1"/> <xs:enumeration value="2"/> <xs:enumeration value="4"/> <xs:enumeration value="6"/> <xs:enumeration value="10"/> <xs:enumeration value="11"/> <xs:enumeration value="12"/> <xs:enumeration value="13"/> <xs:enumeration value="40"/>

```
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      <xs:enumeration value="42"/>
      <xs:enumeration value="43"/>
      <xs:enumeration value="50"/>
      <xs:enumeration value="41"/>
    </xs:restriction>
  </xs:simpleType>
```

attribute **LocationSubsidiaryTypeCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**

facets

Kind	Value	Annotation
enumeration	0	documentation Not Defined documentation not used
enumeration	1	documentation Track documentation The track is a uniquely defined part of location
enumeration	2	documentation Private Siding documentation Tracks are not for open access
enumeration	3	documentation Border Point Code 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"
enumeration	4	documentation Sorting Code documentation Destination station of the wagon has a code in order to provide shunting technology.
enumeration	5	documentation Vehicle Parking Points documentation All points (tracks)
enumeration	6	documentation Public Loading Places documentation Is a type of physical location on the open access network where consignor or consignee can load or unload wagons
enumeration	7	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	documentation IM Path Tariff Point documentation Price Segment change between two IM Networks.
enumeration	9	documentation Depot / Maintenance workshop. Place for overhaul or maintenance of the rolling stock.
enumeration	10	documentation Switch/turnout

			documentation
			The location where two tracks meet or diverge.
	enumeration	11	documentation
			Grade Crossing
			documentation
			The location where two tracks on the same level cross each other.
	enumeration	12	documentation
			Section of the track
			documentation
			Section is inside of the location considered part of a track.
	enumeration	13	documentation
			Twin track point
			documentation
			The spot where is end or start of the twinned track section.
	enumeration	14	documentation
			Retarder (rail brake)
			documentation
			Trackside equipment to control the speed of the wagons running from the shunting hump.
	enumeration	15	documentation
			Platform
			documentation
			The area next to the track which has been raised to make access to railway vehicles easier.
	enumeration	16	documentation
			Railing
			documentation
			barrier Safety equipment used to prevent access to the track by people and animals.
	enumeration	17	documentation
			Movable scotch block
			documentation
			Safety equipment across the track avoiding any unnecessary moving beyond that point.
	enumeration	18	documentation
			Derailing stop / Trap points / Catch points
			documentation
			Safety equipment is on one rail avoiding any unnecessary moving beyond that point.
	enumeration	19	documentation
			Loading equipment
			documentation
			Special equipment to facilitate the loading and unloading on the Public Loading Places.
	enumeration	20	documentation
			Weighbridge
			documentation
			Special equipment is to facilitate the measure of the weight of the wagon.
	enumeration	21	documentation
			Building
			documentation
			Those buildings where IM placed his staff for direct communication with RU staff or the IM buildings serve RU activities as well.
	enumeration	22	documentation
			Level crossing
			documentation
			Place where rail and road crossing in level. on the same level (grade)
	enumeration	23	documentation
			Bridge
			documentation
			Special built structure is over the road
	enumeration	24	documentation
			Tunnel
			documentation
			Structure to to allow a railway line to pass under the surface.
	enumeration	25	documentation
			Underpass
			documentation
			Undercrossing or underground passage under the railway track. (Not used by trains)

	enumeration	26	documentation Block section documentation Block section outside of the location with primary code. In other words: a section on the open track between stations defined by signalling system.
	enumeration	27	documentation Signal documentation A signal is a mechanical or electrical device erected beside a railway line to pass information relating to the state of the line ahead to train drivers/engineers.
	enumeration	28	documentation Sign and board documentation Equipment to inform the board staff for train traffic and shunting.
	enumeration	29	documentation Phase break documentation Border of the power supply systems (catenary).
	enumeration	30	documentation Leap in kilometer documentation The section has deviation in length i. e. the section more or less than called.
	enumeration	32	documentation Balise documentation A balise is an electronic beacon or transponder placed between the rails of a railway as part of an Automatic Train Protection (ATP) system.
	enumeration	33	documentation Hot spot detector documentation Trackside equipment which detects hot wheels or axle-box on passing trains.
	enumeration	34	documentation Flat wheel detector documentation Trackside equipment which detects flat spots on wheels on passing trains.
	enumeration	35	documentation Dynamic wheel load documentation detector Special equipment is in trackside for inspect of the overloaded wagons.
	enumeration	36	documentation Freight yard documentation A freight yard is commercial usage of a physical location which can be used as a sending or a destination station in freight orders of rail freight transports. The freight yard can have his own codification
	enumeration	37	documentation Loading point documentation A loading point is a commercial usage of a physical location. Each loading point is assigned to a yard.
	enumeration	38	documentation IM Network link documentation It allows to link two locations from different IM Networks
	enumeration	39	documentation Reservation code
	enumeration	40	documentation Metastation documentation To mark a meta location that forms the link between different stations that are considered as equal (for the traveller)
	enumeration	41	documentation CompanySpecificIdentifier documentation

			Company specific identifier of the primary location
	enumeration	42	documentation
			DIUM stations - Places of acceptance/delivery Station open into international traffic of goods (tariff point included in DIUM) – consignment acceptance/delivery station (loading points are excluded and covered by TypeCode 37).
	enumeration	43	documentation
			Passengers cars public loadingIs a type of physical location on the open access network where passengers can put their car on a carrying train
	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 carrying train
	enumeration	45	documentation
			Sewage dump Place for cleaning purposes - disposal of the waste
	enumeration	46	documentation
			Refuelling Point Location where refuelling takes place
	enumeration	47	documentation
			Mains Supply Location where energy supply can be provided for the rolling stock e.g. preheating
	enumeration	48	documentation
			Water Supply Location where water supply can be provided for the rolling stock
	enumeration	49	documentation
			Compressed plant Train on a track with motion stabled with external air supply for braking systems
	enumeration	50	documentation
			Indoor cleaning platform Cleaning point - interior
	enumeration	51	documentation
			Car-wash plant Cleaning point -outdoor
	enumeration	52	documentation
			Short dry-cleaning track Cleaning point
	enumeration	53	documentation

			Pollution protective plate Track where floor that avoids pollution of the earth below
	enumeration	54	documentation
			Sand-filling station Location where sand is filled
	enumeration	55	documentation
			Repair track Location where a train/wagon/engine can be repaired
	enumeration	56	documentation
			Signal box The location of a building containing signalling equipment
	enumeration	57	documentation Intermodal Terminal documentation Intermodal Terminal is a location which provides the space, equipment and operational environment under which the transfer of loading units (freight containers, swap bodies, semi-trailers or trailers) takes place
	enumeration	58	documentation OSJD system based location documentation Location code used within OSJD
	enumeration	59	documentation Train Service Substitute Stop documentation Place outside of railway station or railway stop, where passengers board or leave bus or any other transport mean as substitution of train service. Physical part of Primary Location.
	enumeration	60	documentation Multifunctional rail terminal documentation Facilities for conventional and/or intermodal rail/road transshipment principally open for public use and for all types of cargo. This kind of facility does not only provide transshipment, but also additional services like storage, consignment or road pre/end haulage. Physical part of Primary Location.
	enumeration	61	documentation Relief facility documentation Facilities providing equipment and infrastructure used to overcome a disruption (derailment, collision or other accidents). Physical part of Primary Location.
	enumeration	66	documentation Location ENEE Code documentation Legacy ENEE code of the parent primary location. Different coding of primary location.
	enumeration	70	documentation Network Border documentation Network border between two neighboring IM's; first or last Primary Location on a network. Attribute of primary location.
	enumeration	71	documentation State border documentation Political border between two member states. Attribute of primary location.
	enumeration	72	documentation Administrative border documentation Border point inside a member state to define federal structures or administrative districts or local areas. Attribute of primary location.

	enumeration 74 documentation Operational handover documentation Location where the responsibility for operation changes or can change between two involved IMs. Attribute of primary location. enumeration 75 documentation Planning handover documentation Location where the responsibility for timetable planning and path allocation changes or can change between two involved IMs. Attribute of primary location. enumeration 76 documentation Other technical facility documentation All technical installations and services that are not included in other facility types. E.g. Pre heating, de icing, air conditioning, Washing/cleaning of rolling stock, Disinfection of rolling stock, Sewage removal and Stationary brake test facilities. Physical part of Primary Location. enumeration 90 documentation Test Loc enumeration 99 documentation Relation to Station documentation An indicator used to show that this location is a subsidiary of another location.
annotation	documentation New codes added: 42 DIUM stations - Places of acceptance/delivery Station open into international traffic of goods (tariff point included in DIUM) – consignment acceptance/delivery station (loading points are excluded and covered by TypeCode 37). 43 Passengers cars public loadingIs a type of physical location on the open access network where passengers can put their car on a carrying train 44 Passengers cars private loading Is a type of physical location outside the open access network where passengers can put their car on a carrying train 45 Sewage dump Place for cleaning purposes - disposal of the waste 46 Refuelling Point Location where refuelling takes place 47 Mains Supply Location where energy supply can be provided for the rolling stock e.g. preheating 48 Water Supply Location where water supply can be provided for the rolling stock 49 Compressed plant Train on a track with motion stabled with external air supply for braking systems 50 Indoor cleaning platform Cleaning point -interior 51 Car-wash plant Cleaning point -outdoor 52 Short dry-cleaning track Cleaning point 53 Pollution protective plate Track where floor that avoids pollution of the earth below 54 Sand-filling station Location where sand is filled 55 Repair track Location where a train/wagon/engine can be repaired 56 Signal box The location of a building containing signalling equipment 58 OSJD system based location 59 Train Service Substitute Stop 60 Multifunctional rail terminal 61 Relief facility 70 Network Border 71 State border 72 Administrative border 74 Operational handover 75 Planning handover 76 Other technical facility
source	<xs:attribute name="LocationSubsidiaryTypeCode"> <xs:annotation> <xs:documentation> New codes added: 42 DIUM stations - Places of acceptance/delivery Station open into international traffic of goods (tariff point included in DIUM) – consignment

```
acceptance/delivery station (loading points are excluded and covered by
TypeCode                                                              37).
43    Passengers cars public loading  Is a type of physical location on the
open access network where passengers can put their car on a carrying train
44    Passengers cars private loading  Is a type of physical location outside
the open access network where passengers can put their car on a carrying train
45    Sewage dump  Place for cleaning purposes - disposal of the waste
46    Refuelling Point   Location    where    refuelling    takes    place
47    Mains Supply Location where energy supply can be provided for the
rolling                stock               e.g.               preheating
48    Water Supply Location where water supply can be provided for the
rolling                                                               stock
49    Compressed plant   Train on a track with motion stabled with external
air            supply            for            braking            systems
50    Indoor cleaning platform  Cleaning          point          -interior
51    Car-wash plant     Cleaning              point              -outdoor
52    Short dry-cleaning track  Cleaning                              point
53    Pollution protective plateTrack where floor that avoids pollution of
the                              earth                                below
54    Sand-filling station      Location    where    sand    is    filled
55    Repair track Location  where  a  train/wagon/engine  can  be  repaired
56    Signal box   The location of a building containing signalling equipment
58    OSJD               system               based               location
59                          Train       Service       Substitute       Stop
60                              Multifunctional        rail        terminal
61                                              Relief            facility
70                                               Network            Border
71                                                 State            border
72                                           Administrative         border
74                                            Operational          handover
75                                               Planning          handover
76                                    Other        technical        facility
      </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: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
track section.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="14">
        <xs:annotation>
          <xs:documentation>Retarder (rail brake)</xs:documentation>
          <xs:documentation>Trackside equipment to control the speed of the
wagons running from the shunting hump.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="15">
        <xs:annotation>
          <xs:documentation>Platform</xs:documentation>
          <xs:documentation>The area next to the track which has been raised
to make access to railway vehicles easier.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="16">
        <xs:annotation>
          <xs:documentation>Railing</xs:documentation>
          <xs:documentation>barrier Safety equipment used to prevent access
to the track by people and animals.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="17">
        <xs:annotation>
          <xs:documentation>Movable scotch block</xs:documentation>
          <xs:documentation>Safety equipment across the track avoiding any
unnecessary moving beyond that point.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="18">
        <xs:annotation>
          <xs:documentation>Derailing stop / Trap points / Catch
points</xs:documentation>
          <xs:documentation>Safety equipment is on one rail avoiding any
unnecessary moving beyond that point.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="19">
        <xs:annotation>
```

```
          <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>
      <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 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>
      <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) system.</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>
      <xs:enumeration                                              value="40">
        <xs:annotation>
          <xs:documentation>Metastation</xs:documentation>
          <xs:documentation>To mark a meta location that forms the link
between different stations that are considered as equal (for the
traveller)</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                              value="41">
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          <xs:documentation>CompanySpecificIdentifier</xs:documentation>
          <xs:documentation>Company specific identifier of the primary
location</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                              value="42">
        <xs:annotation>
          <xs:documentation>
                        DIUM stations - Places of acceptance/delivery
      Station open into international traffic of goods (tariff point included
in DIUM) – consignment acceptance/delivery station (loading points are
excluded and covered by TypeCode 37).
                        </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                              value="43">
        <xs:annotation>
          <xs:documentation>
                        Passengers cars public loading Is a type of
physical location on the open access network where passengers can put their
```

```
car on a carrying train
                        </xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="44">
      <xs:annotation>
        <xs:documentation>
                        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
                        </xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="45">
      <xs:annotation>
        <xs:documentation>
                        Sewage dump Place for cleaning purposes - disposal
of the waste
                        </xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="46">
      <xs:annotation>
        <xs:documentation>
                        Refuelling Point Location where refuelling takes
place
                        </xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="47">
      <xs:annotation>
        <xs:documentation>
                        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>
        <xs:documentation>
                        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>
        <xs:documentation>
                        Compressed plant Train on a track with motion
stabled with external air supply for braking systems
                        </xs:documentation>
      </xs:annotation>
    </xs:enumeration>
    <xs:enumeration value="50">
      <xs:annotation>
        <xs:documentation>
                        Indoor cleaning platform Cleaning point -interior
                        </xs:documentation>
```

```
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="51">
        <xs:annotation>
          <xs:documentation>
                          Car-wash plant     Cleaning     point     -outdoor
                          </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="52">
        <xs:annotation>
          <xs:documentation>
                          Short dry-cleaning track  Cleaning           point
                          </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="53">
        <xs:annotation>
          <xs:documentation>
                          Pollution protective plateTrack  where  floor  that
avoids          pollution         of          the          earth          below
                          </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="54">
        <xs:annotation>
          <xs:documentation>
                          Sand-filling station      Location  where  sand  is
filled
                          </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="55">
        <xs:annotation>
          <xs:documentation>
                          Repair track Location  where  a  train/wagon/engine
can                              be                                  repaired
                          </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="56">
        <xs:annotation>
          <xs:documentation>
                          Signal box   The location of a building containing
signalling                                                      equipment
                          </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="57">
        <xs:annotation>
          <xs:documentation>Intermodal           Terminal</xs:documentation>
          <xs:documentation> Intermodal Terminal is a location which provides
the space, equipment and operational environment under which the transfer of
loading units (freight containers, swap bodies, semi-trailers or trailers)
takes                        place                        </xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                          value="58">
```

```
        <xs:annotation>
          <xs:documentation>OSJD system based location</xs:documentation>
          <xs:documentation>Location code used within OSJD</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="59">
        <xs:annotation>
          <xs:documentation>Train Service Substitute Stop</xs:documentation>
          <xs:documentation>Place outside of railway station or railway stop,
where passengers board or leave bus or any other transport mean as substitution
of train service. Physical part of Primary Location.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="60">
        <xs:annotation>
          <xs:documentation>Multifunctional rail terminal</xs:documentation>
          <xs:documentation>Facilities for conventional and/or intermodal
rail/road transshipment principally open for public use and for all types of
cargo. This kind of facility does not only provide transshipment, but also
additional services like storage, consignment or road pre/end haulage.
Physical part of Primary Location.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="61">
        <xs:annotation>
          <xs:documentation>Relief facility</xs:documentation>
          <xs:documentation>Facilities providing equipment and infrastructure
used to overcome a disruption (derailment, collision or other accidents).
Physical part of Primary Location.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="66">
        <xs:annotation>
          <xs:documentation>Location ENEE Code</xs:documentation>
          <xs:documentation>Legacy ENEE code of the parent primary location.
Different coding of primary location.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="70">
        <xs:annotation>
          <xs:documentation>Network Border</xs:documentation>
          <xs:documentation>Network border between two neighboring IM's;
first or last Primary Location on a network. Attribute of primary
location.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="71">
        <xs:annotation>
          <xs:documentation>State border</xs:documentation>
          <xs:documentation>Political border between two member states.
Attribute of primary location.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration value="72">
        <xs:annotation>
          <xs:documentation>Administrative border</xs:documentation>
          <xs:documentation>Border point inside a member state to define
federal structures or administrative districts or local areas. Attribute of
```

```
primary                                                location.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                  value="74">
        <xs:annotation>
          <xs:documentation>Operational          handover</xs:documentation>
          <xs:documentation>Location where the responsibility for operation
changes or can change between two involved IMs. Attribute of primary
location.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                  value="75">
        <xs:annotation>
          <xs:documentation>Planning             handover</xs:documentation>
          <xs:documentation>Location where the responsibility for timetable
planning and path allocation changes or can change between two involved IMs.
Attribute          of          primary          location.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                  value="76">
        <xs:annotation>
          <xs:documentation>Other    technical    facility</xs:documentation>
          <xs:documentation>All technical installations and services that are
not included in other facility types. E.g. Pre heating, de icing, air
conditioning, Washing/cleaning of rolling stock, Disinfection of rolling
stock, Sewage removal and Stationary brake test facilities. Physical part of
Primary                                                Location.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                  value="90">
        <xs:annotation>
          <xs:documentation>Test                       Loc</xs:documentation>
          <xs:documentation/>
        </xs:annotation>
      </xs:enumeration>
      <xs:enumeration                                                  value="99">
        <xs:annotation>
          <xs:documentation>Relation      to      Station</xs:documentation>
          <xs:documentation>An indicator used to show that this location is a
subsidiary          of          another          location.</xs:documentation>
        </xs:annotation>
      </xs:enumeration>
    </xs:restriction>
  </xs:simpleType>
</xs:attribute>
```

attribute **TimingQualifierCode**

namespace	http://www.era.europa.eu/schemes/TAFTSI/3.1
type	restriction of **xs:token**
facets	Kind / Value / Annotation enumeration PLA enumeration PLD enumeration ELA enumeration ELD

	enumeration LLA enumeration LLD enumeration ALA enumeration ALD
annotation	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	<xs:attribute name="TimingQualifierCode"> <xs:annotation> <xs:documentation> PLA = Public Location Arrival ELA = Earliest Location Arrival ALA = Actual Location Arival LLA = Latest Location Arrival PLD = Public Location Departure ELD = Earliest Location Departure ALD = Actual Location Departure LLD = Latest Location Departure</xs:documentation> </xs:annotation> <xs:simpleType> <xs:restriction base="xs:token"> <xs:enumeration value="PLA"/> <xs:enumeration value="PLD"/> <xs:enumeration value="ELA"/> <xs:enumeration value="ELD"/> <xs:enumeration value="LLA"/> <xs:enumeration value="LLD"/> <xs:enumeration value="ALA"/> <xs:enumeration value="ALD"/> </xs:restriction> </xs:simpleType> </xs:attribute>

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