EDIGES

Electronic Data Interchange (for) Intermodal Global European Standard

System Description and Technical Handbook for RU Operator (RU)

VERSION 4.1

Table of Contents

1 List of messages in Railway Undertaking (RU) handbook

1.1 Intermodal Operator (IO) -> Railway Undertaking (RU)

- **Consignment note exchanged at train closure – (status 32/33)**

After train loading closure in departure terminal, status 32 reports consignment note information including train list and related wagons, units and goods. Message structure is similar to status 30 regarding train composition, and mainly used from Intermodal Operator to railway traction company (RU). The cancellation message is indicated as status 33.

- **HLR – (status 70/71)**

Heure limite de remise. When the train at departure is handed over from the Terminal Operator to the RU. The cancellation message is indicated as status 71.

- **MAD RU – (status 72/73)**

Heure de mise à disposition. When the train at arrival is handed over from the RU to the Terminal Operator. The cancellation message is indicated as status 73.

- **Terminal slot – (status 80)**

Messages status 80 manage information about slot available for train arrival/departure.

- **Additional event (status 99)**

This message is used to inform about generic events related for example to terminal or ports.

- **Disruption message (status DM)**

This message is used to transmit information about irregularities (delays, interruptions) that have occurred during the intermodal transport. The status “DM” is sent in the event of an acute problem along the intermodal supply chain by one of the parties involved. Each update to an existing message is sent as a new message in a separate XML file.

1.2 Railway Undertaking (RU) -> Intermodal Operator (IO)

- **Train transit control - (status 34)**

Message status 34 identifies information regarding transit control related to train. It reports the passing of a train or wagon at a certain station or geo-referenced point.
Transit time applies to the whole train.

- **Train ETA - (status 36)**

Information regarding a delayed train about a new train ETA at final terminal. This message is generally sent from the RU to the Intermodal Operator or directly to the destination terminal.

- **Operational timetable - (status OT)**

This message contains information about the operational timetable.

- **Train Disruption - (status TD)**

This message documents events disrupting planned train operation.

- **Network Disruption - (status ND)**

This message documents events disrupting planned network operation.

- **Disruption message (status DM)**

This message is used to transmit information about irregularities (delays, interruptions) that have occurred during the intermodal transport. The status “DM” is sent in the event of an acute problem along the intermodal supply chain by one of the parties involved. Each update to an existing message is sent as a new message in a separate XML file.

1.3 Railway Undertaking (RU) -> Terminal Operator (TO)

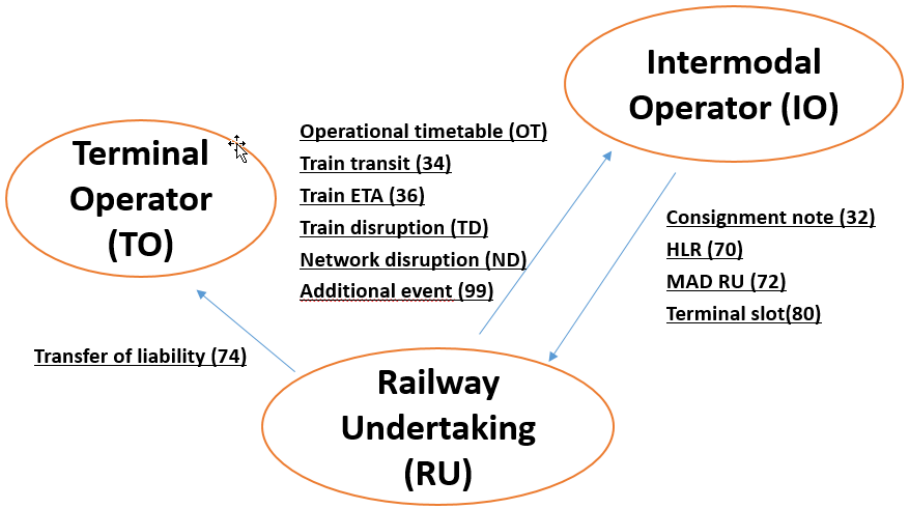
- **Transfer of liability - (status 74/75)**

Transfer of liability from the RU to the Terminal Operator.

- **Disruption message (status DM)**

This message is used to transmit information about irregularities (delays, interruptions) that have occurred during the intermodal transport. The status “DM” is sent in the event of an acute problem along the intermodal supply chain by one of the parties involved. Each update to an existing message is sent as a new message in a separate XML file.

2 Messages flow in Railway Undertaking (RU) Handbook



3 Consignment note status exchanged at train closure (status 32/33)

After train closure in departure terminal, status 32 reports consignment note information including the train list (related wagons and loading units). Cancellation message is indicated as status 33.

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
trainComposition		(M, 1 times)	
	trainDetails (see page 48)	(M all, 1 times)	Information about train details. See trainDetailsRestricted type
ConsignmentNote		(0..n times)	**Under trainComposition information block**
	consignmentNoteNumberTrain	M(1 times) String	Consignment note number train
	consignmentNoteDate	(0..1 times) ISO Date	Consignment note date
	customerRailwayCode	(0..1 times) String	Customer code by Railway
	departureCountryRailway	(0..1 times) String	Departure country, railway codification. (Ex. 85=CH)

Information Block	Element	Format (M=Mandatory)	Description
	departureStationCode	(0..1 times) String	Departure station code
	departureStationName	(0..1 times) String	Departure station
	arrivalStationName	(0..1 times) String	Arrival station/terminal
	arrivalStationInformation	(0..1 times) String	Arrival station (terminal, UIRR code) information
	arrivalStationCode	(0..1 times) String	Arrival station code
	arrivalCountryRailway	(0..1 times) String	Arrival country railway
	senderName	(0..1 times) String	Name of transport sender
	senderCode2	(0..1 times) String	Sender code 2
	senderCode3	(0..1 times) String	Sender code 3
	receiverName	(0..1 times) String	Name of transport receiver

Information Block	Element	Format (M=Mandatory)	Description
	receiverCode5	(0..1 times) String	Receiver code 5
	receiverCode6	(0..1 times) String	Receiver code 6
	senderDeclaration	(0..1 times) String	Sender declaration
	senderReference	(0..1 times) String	Sender reference
	documentsAttached	(0..1 times) String	Documents attached
	commercialCondition	(0..1 times) String	Commercial condition
	information14	(0..1 times) String	Information field
	railwayContract	(0..1 times) String	Railway contract number between Railway Undertaking and Intermodal Operator
	receiverInformation	(0..1 times) String	Receiver information
	information18	(0..1 times) String	Information text

Information Block	Element	Format (M=Mandatory)	Description
	wagonNumber18	(0..1 times) String	Wagon number
	rid	(0..1 times) String	Rid
	conditionTerms	(0..1 times) String	Condition terms
	customStationCode	(0..1 times) String	Custom station code
	customStationName	(0..1 times) String	Custom station name
	operationalRailwayCode1	(0..1 times) String	Operational railway code 1
	operationalRailwayCode2	(0..1 times) String	Operational railway code 2
	operationalRailwayCode3	(0..1 times) String	Operational railway code 3
	operationalRailwayCode4	(0..1 times) String	Operational railway code 4
	operationalRailwayCode5	(0..1 times) String	Operational railway code 5

Information Block	Element	Format (M=Mandatory)	Description
	operationalStation1	(0..1 times) String	Railway station operational 1
	operationalStation2	(0..1 times) String	Railway station operational 2
	operationalStation3	(0..1 times) String	Railway station operational 3
	operationalStation4	(0..1 times) String	Railway station operational 4
	operationalStation5	(0..1 times) String	Railway station operational 5
	commercialRailwayCode	(0..1 times) String	Commercial railway code
	customIndications	(0..1 times) String	Customs indications
loadingPlaces		(0..n)	**Under consignmentNote information block**
	loadingPlace1	(0.1) String	
	loadingPlace2	(0..1) String	
positionWagonDetails		(1..n)	**Under consignmentNote information block**

Information Block	Element	Format (M=Mandatory)	Description
	wagonDetails (see page 61)	(M, 1 times)	Information about wagon. See wagonDetails type
	wagonSequence	(M, 1times) Numeric	Wagon Sequence Number
	moduleSequence	(M, 1times) Numeric	Indicates which wagon loading module it is
	departureTerminalUIRRCode	(M, 1 times) Numeric(3)	Departure Terminal UIRR code
	departureTerminal	(0..1 times)	See Terminal type (see page 66)
	destinationTerminal	(0..1 times)	See Terminal type (see page 66)
	routing	(0..1 times) String(2)	
	wagonFullEmpty	(M, 1times) Boolean	True if wagon is loaded with at least one loading unit
	wagonLoadingGroup	(0..1times) String(3)	It indicates loading group

Information Block	Element	Format (M=Mandatory)	Description
	forecastArrivalDateTime	(0..1 times) ISO DateTime	
	consignmentNoteNumberWagon	(0..1 times) String	
positionItuCodeDetails		(0..n)	**Under positionWagonDetails information block**
	moduleSequence	(M, 1 times) Integer	
	ituCodePositionSequence	(M, 1 times) Integer	
	consignmentNoteNumberItu	(0..1 times) String	
	orderDetails (see page 44)	(M, 1 times)	See orderDetailsRestricted32 type
	deliveryDistribution[1]	(0..n)	See deliveryDistribution type
	dangerousGoodsInformation (see page 51)	(0..n times)	See dangerousGoodInformation type
	goodsInformation (see page 50)	(0..n times)	See goodsInformation type

1 https://edigesconsortium.atlassian.net/wiki/spaces/ED/pages/601718811

Information Block	Element	Format (M=Mandatory)	Description
	customsInformation (see page 58)	(0..n times)	See customsInformation type
	sealsInformation (see page 57)	(0..n times)	See sealsInformation type
	damagesInformation[2]	(0..n)	See damagesInformation type
	swissSplitInformation[3]	(0..n)	See swissSplitInformation type
ConsignmentNoteCancel		(0..n times)	**Under trainComposition information block**
	consignmentNoteNumberTrain	(M, 1 times) String	Consignment note number

2 https://edigesconsortium.atlassian.net/wiki/spaces/ED/pages/586645530/DamagesInformation+Type
3 https://edigesconsortium.atlassian.net/wiki/spaces/ED/pages/586317895/SwissSplitInformation+Type

4 Train transit control (status 34)

Messages status 34 manage information about transit control related to a train. It includes information about the transit of a train at a certain station / geo-referenced point. Transit time regards a whole train.

A cancellation message for status 34 is not foreseen. In case of incorrect status 34 messages, another message will be sent replacing the previous one.

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
TimeCollection		(M, 1 times)	
trainTransit		(M, 1 times)	**Under TimeCollection information block**
	trainDetails (see page 48)	(M, 1 times)	Information about train details. See trainDetailsRestricted type
	wagonNumber	(0..1 times) String(12)	Wagon number
	consignmentNoteNumber	(0..1 times) String	Consignment note number
	railUndertakingCode	(0..1times) Integer(4)	RU code European standard, RICS Code of the RU
	departureTerminal (see page 66)	(0..1times)	See Terminal type
	departureStation (see page 67)	(0..1times)	See Station type
	arrivalTerminal (see page 66)	(0..1times)	See Terminal type

Information Block	Element	Format (M=Mandatory)	Description
	routing	(0..1 time)	Routing of the relation
	arrivalStation (see page 67)	(0..1times)	See Station type
	timetableDateTime	(0..1 times) ISO DateTime	Timetable date and time
	transitStation (see page 67)	(0..1times)	See Station type
	transitDateTime	(M, 1 times) ISO DateTime	Transit date and time
	positioningData (see page 70)	(0..1 time)	See PositioningData type
	departureArrivalTransit	(M, 1 times) String	Possible values: • A = arriving • D = departing • T = transit to station
	deltaTimeMinuteValue	(0..1 time) Numeric	Delay value in minutes
	deltaSign	(0..1 time) String	Possible values: • + = positive • - = negative
	remarksCode	(0..1 time) String	Remarks code from Railway
	remarksText	(0..1 time) String	Remarks texts
	kmTimetableStation	(0..1 time) Numeric	Distance in km to timetable station

Information Block	Element	Format (M=Mandatory)	Description
	directionOfControlPoint	(0..1 time) String	Direction of control point (North, South…)
	kmFinalDestination	(0..1 time) Numeric	Distance in km to final destination (arrival terminal or arrival station)
	expectedDateTimeOfArrival	(0..1 times) ISO DateTime	Expected date and time of arrival

5 Train ETA (status 36)

Messages status 36 manage information about train ETA at final terminal. Generally is sent from RU to Intermodal Operator or directly to destination terminal when there is a train delay.

A cancellation message is not foreseen for status 36. In case of incorrect status 36 messages, another message will be sent replacing the previous one.

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
TimeCollection		(M, 1 times)	
trainEta		(M, 1 times)	**Under TimeCollection information block**
	railUndertakingCode	(0..1times) String	RU code European standard
	trainDetails (see page 48)	(M, 1 times)	Information about train details. See trainDetailsRestricted type
	wagonNumber	(0..1 times) String(12)	Wagon number
	consignmentNoteNumber	(0..1 times) String	Consignment note number
	departureTerminal (see page 66)	(0..1times)	See Terminal type
	departureStation (see page 67)	(0..1times)	See Station type
	arrivalTerminal (see page 66)	(0..1times)	See Terminal type
	routing	(0..1 time)	Routing of the relation

Information Block	Element	Format (M=Mandatory)	Description
	arrivalStation (see page 67)	(0..1times)	See Station type
	location (see page 68)	(0..1times)	See Location type
	ETADateTimeTimetable	(0..1 times) ISO Datetime	ETA date and time according timetable
	newETADateTime	(M, 1 times) ISO Datetime	New train ETA date and time from RU
	deltaTimeMinuteValue	(0..1 time) Numeric	Delay value in minutes
	deltaSign	(0..1 time) String	Possible values: • + = positive • - = negative
	remarksText	(0..1 time) String	Remarks texts
	positioningData (see page 70)	(0..1 time)	See PositioningData type

6 HLR time (status 70/71)

Heure limite de remise. When the train at departure is handed over from the Terminal Operator to the RU.

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
hlr		(M, 1 times)	
hlrDetails		(M, 1 times)	**See TrainGeneric type** (see page 72)
	hlrDateTime	(M, 1 times) ISO Datetime	HLR date and time

7 MAD RU time (status 72/73)

Heure de mise à disposition. When the train at arrival is handed over from the RU to the Terminal Operator.

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
madRu		(M, 1 times)	
madRuDetails		(M, 1 times)	**See TrainGeneric type** (see page 72)
	madRuDateTime	(M, 1 times) ISO Datetime	MAD RU date and time

8 Transfer liability (status 74/75)

Transfer of liability from the RU to the terminal

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
transferLiability		(M, 1 times)	
transferLiabilityDetails		(M, 1..n times)	**See TrainGeneric type** (see page 72)
	readyForUnloadingDateTime	(M, 1 times) ISO Datetime	Ready for unloading date and time

9 Terminal slot (status 80)

It manages information about slot available for train arrival/departure.

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
terminalSlot		(M, 1 times)	
terminalSlotDetails		(M, 1..n times)	
	terminal (see page 66)	M(all, 1times)	See Terminal type
	trainNumber	(M,1) String(6)	Commercial Train number
	OperatorTrainId	(M, 1)	Operator Train ID in TAF TSI Format, see TAFTSICompositIdentifierPlanned type (see page 110)
Optional, one of these three fields can be included	plannedDate	(0,1) ISO Date	The slot is planned for this date
	plannedDaysInWeek	(0..1) String(7)	One character for each weekday, starting on Monday. Each character can be 0 or 1, whereby 1 signifies that the slot is defined on this weekday. “0101001” means the slot is available on Tuesday, Thursday and Sunday.
	PlannedCalendar	(0,1)	See TAFTSIPlannedCalendarType (see page 107)
slotParameters		(M, 1 times)	List of slotParameter
	reasonTerminalSlot	(M, 1 times)	This attribute can be one of • 01 = New Slot • 02 = Slot update • 03 = Train delay • 04 = Terminal capacity (Track blocked)

Information Block	Element	Format (M=Mandatory)	Description
			• 05 = temporary enlargement of terminal slot • 99 = Other
slotParameter			
	validFromDate	(M,1) Date	The first date in which the slot availability is planned
	validToDate	(M,1) Date	The last date in which the slot availability is planned
	slotBeginTime	(M,1) Time	Slot availability starts at this time
	slotDuration	(M,1) Duration	Slot availability duration in minutes
	restrictedTrackLength	(0,1) Integer	Indicates that the track has restrictions (mt)
	freeTextField	(0..1 times) String	Free text fields
	additionalRemarks	(0..1 times) String	Additional remarks

10 Additional event message (status 99)

This message is used to inform about generic events related for example to terminal or ports.

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
additionalEvent		(M, 1 times)	
additionalEventDetails		(M, 1..n times)	
	eventCode	M(1 times) String	Codification or explanation of the event, as agreed between sender and receiver
	expectedEventDateTime	(0…1 times) ISO Datetime	Expected date of the event
	realEventDateTime	(0..1 times) ISO Datetime	Date of the event as it really happened
	eventLocation	(0..1 times) String	Geographical location of the event
	eventRemarks	(0..1 times) String	Remarks to the event
	trainNumber	(0..1 times) String(6)	Train number

Information Block	Element	Format (M=Mandatory)	Description
	departureDate	(0..1 times) ISO Date	Date of departure (date of closure of unit acceptance in terminal. It's not the real train departure from terminal)
	ruTrainId	(0..1 times)	See TAFTSICompositIdentifierOperationalType (see page 109)
	OperatorTrainId	(0..1 times)	See TAFTSICompositIdentifierOperationalType (see page 109)
	operatorTransportId	(0..1 times) String	Id for the loco shipment transport (departure terminal → destination terminal) given by the intermodal operator processing at the departure terminal of the line section
	gtwTripNumber	(0..1 times) String	Id for the complete shipment transport (origin terminal → final terminal) given by the intermodal operator processing at the origin terminal
	customerRefNumber	(0..1 times) String	Transport LSP reference
	ituCode	(0..1 times) String(20)	loading unit identification (container nr.,swap body codification nr., trailer identification)

11 Operational timetable (status OT)

This message contains information about the operational timetable.

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
operationalTimetable		(M, 1 times)	
	RuTrainId	(M..1)	Train ID from the Railway Undertaking in TAF TSI format, see TAFTSICompositIdentifierOperational type (see page 109)
	networkRuTrainNumber	(M..1) String(6)	represents the first departure train number
	RelatedPlannedTransportIdentifiers	(0,n)	See TAFTSICompositIdentifierPlanned type (see page 110)
	MessageStatus	(M,1)	Assigned by the Sender 1=Creation, 2=Modification, 3=deletion
	LeadRU	(M,1) Integer (4)	Contractual railway undertaking
	TrainInformation	(M,1) ISO Date	See TAFTSITrainInformation (see page 113)

12 Train Disruption Message (status TD)

This message documents disruption of planned train operation.

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
trainDisruption		(M, 1 times)	
trainDisruptionMessage		(0..n times)	
	RuTrainId	M(1 time)	See TAFTSICompositIdentifierOperationalType (see page 109)
	OperatorTrainId	(0..1 time)	Operator Train ID in TAF TSI Format, see TAFTSICompositIdentifierOperational type (see page 109)
	interruptionDateTime	M(1 time) DateTime	Timestamp when the interruption occurred.
	interruptionRuCode	M(1 time) String	Code that identifies the type of the interruption.
	interruptionReason	(0..1 tim) String	Reason for the interruption. This field may be codified in future.
	wagonNumberFreight	(0..n time) String	Wagon number of the affected wagons
	etaFinalDestination	(0..1 time) DateTime	Expected arrival at the final destination
	freeTextField	(0..n time) String	
	transportInfo	M(1 time) String	See TAFTSILocationIdent (see page 108)

13 Network Disruption Message (status ND)

This message documents disruption of planned network operation.

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
networkDisruption		(M, 1 times)	
networkDisruptionMessage		(0..n times)	
	locationStart	(0..1 time)	See TAFTSILocationIdent (see page 108)
	LocationEnd	(0..1 time)	See TAFTSILocationIdent (see page 108)
	Ril100Start	(0..1 time) String	
	Ril100End	(0..1 time) String	
	latitudeStart	(0..1 time) Decimal	
	latitudeEnd	(0..1 time) Decimal	
	longitudeStart	(0..1 time) Decimal	
	longitudeEnd	(0..1 time) Decimal	
	NetworkNumber	(0..n time) Integer	

Information Block	Element	Format (M=Mandatory)	Description
	ConstructionID	(0..1 time) String	
	Works	(0..1 time) String	
	ValidFrom	(0.. 1 time) DateTime	
	ValidTo	(0.. 1 time) DateTime	
	Effect	(0..1 time) String	

14 Disruption Message (status DM)

This message is used to transmit information about irregularities (delays, interruptions) that have occurred during the intermodal transport. The status “DM” is sent in the event of an acute problem along the intermodal supply chain by one of the parties involved. Each update to an existing message is sent as a new message in a separate XML file.

Information Block	Element	Format (M=Mandatory)	Description
header (see page 33)		(M, 1 times)	See header type
disruptionMessage		(M, 1 times)	
	MessageHeader	(M, 1 time)	See TAFTSIMessageHeaderType (see page 119)
	MessageStatus	(M, 1 time) String(1)	Can be 1=creation, 2=modification, 3=deletion
	IrregularityId	(M, 1 time) String	Irregularity identifier
	ResponsibleActor	(1..n time)	See ResponsibleActor (see page 86) type
	ResponsibleAsset	(1..n time)	See ResponsibleAsset (see page 87) type
	Event	(M, 1 time)	See Event (see page 95) type
	etaDeparture	(0..1 time) DateTime	Estimated time of departure after an interruption event
	etaFinalDestination	(0..1 time) DateTime	Estimated time of arrival at the next (gateway) - terminal
	Remarks	(0..n time) String(255)	Free text field for remarks

15 Appendix - complex types

In this appendix the definitions of complex types.

15.1 Header type

This segment contains information about the message sending date and time, the EDIGES version used and the status of the message.

Element	**Format (M = mandatory) (status = specific or all)**	**Description**
msgDateTime	(M all, 1 time) ISO DateTime	Message date and time
messageId	(M all, 1 time) String(13)	Message Id
version	M(all, 1 time) String	EDIGES Version of the Body message
status	M(all, 1 time) String	EDIGES Status Code of the Body message
statusDateTime	M(all, 1 time) ISO DateTime	Status date and time
sender (see page 34)	M(all, 1 time)	View sender type
receiver (see page 34)	M(all, 1 time)	View receiver type
replyRequest (see page 35)	(0..1 time)	View replyRequest type
technicalResponse (see page 35)	(0..1 time)	View replyRequest type

15.2 Sender / Receiver type

This segment includes the unique identification of the EDI partner that sends or receives the XML message.

Element	Format (M = mandatory) (status = specific or all)	Description
registrationCode	(0..1 time) String	Individual and unique for each EDI partner of Intermodal Operator.
companyName	M(all, 1 time) String	Sender or receiver company name

15.3 ReplyRequest type

This segment identifies to which e-mail address the EDIGES partner has to send the error message, in case of wrong EDI message sent by the partner. Value "received" will be used to confirm by mail that incoming message has been received by receiving system.

Element	**Format (M = mandatory) (status = specific or all)**	**Description**
replyMail	M(all, 1..n) String	Reply email address. Possible value for element attribute “replyEvent”: • “rejected”: mail address which receives errors notification • “received”: message integrated

15.4 ItuDetailsRestricted type

This segment contains the data concerning the loading unit.

Element	Format (M = mandatory)(status = specific or all)	Description
ituCode	M(1time) String(20)	loading unit identification (container nr., swap body codification nr., trailer identification)
interunitCode	(0..1time) String(2)	numeric code that identifies the loading unit type. See official UIRR interunit code table provided by Ediges Consortium
containerTypeGroup	(0..1 time) String(2)	
ituIsoCode	(0..1 time) String(4)	loading unit type/size ISO codification
ituProfileCode	(0..1 time) String(4)	loading unit profile
specializationCode	(0..1 time) String(4)	code that identifies the physical features of loading unit (e.g. 25 feet container open top). See official UIRR specialization code table provided by Ediges Consortium
ituType	M(1time) String(1)	Possible values: • “S” = trailer • “C” = swap body • “I” = ISO container
ituLength	M(1time) Numeric(5)	Length of the loading unit in cm
ituWidth	(0..1 time) Numeric(5)	Width of the loading unit in cm
ituHeight	(0..1 time) Numeric(5)	Height of the loading unit in cm
tareWeight	M(1time) Numeric(5)	Tare weight (kg)

Element	Format (M = mandatory)(status = specific or all)	Description
ituMaxPayload	(0..1 time) Numeric(5)	Maximum allowed payload in kg
trailerLicencePlate	(0..1 time) String	Trailer licence plate
unitCranable	(0..1 time) Boolean	Shows if the unit can be moved by crane or not
additionalUnitCode	(0..1 time) String	Additional unit code to be added

15.5 ItuDetailsRestricted30 type

This segment contains the data concerning the loading unit.

Element	Format (M = mandatory)(status = specific or all)	Description
ituCode	M(1time) String(20)	loading unit identification (container nr., swap body codification nr., trailer identification)
interunitCode	M(1time) String(2)	numeric code that identifies the loading unit type. See official UIRR interunit code table provided by Ediges Consortium
containerTypeGroup	(0..1 time) String(2)	
ituIsoCode	(0..1 time) String(4)	loading unit type/size ISO codification
ituProfileCode	(0..1 time) String(4)	loading unit profile
specializationCode	(0..1 time) String(4)	code that identifies the physical features of loading unit (e.g. 25 feet container open top). See official UIRR specialization code table provided by Ediges Consortium
ituType	M(1time) String(1)	Possible values: • “S” = trailer • “C” = swap body • “I” = ISO container
ituLength	M(1time) Numeric(5)	Length of the loading unit in cm
ituWidth	(0..1 time) Numeric(5)	Width of the loading unit in cm
ituHeight	(0..1 time) Numeric(5)	Height of the loading unit in cm
tareWeight	M(1time) Numeric(5)	Tare weight (kg)

Element	Format (M = mandatory)(status = specific or all)	Description
ituMaxPayload	(0..1 time) Numeric(5)	Maximum allowed payload in kg
trailerLicencePlate	(0..1 time) String	Trailer licence plate
unitCranable	(0..1 time) Boolean	Shows if the unit can be moved by crane or not
additionalUnitCode	(0..1 time) String	

15.6 OrderDetailsRestricted30 type

This segment contains information about shipment details

Element	Format (M = mandatory) (status = specific or all)	Description
senderTransportId	M(all, 1time) String(20)	This reference identifies the transport in the systems of the EDI partner who sends the data.
receiverTransportId	M(1 times) String(20)	This reference identifies the transport in the systems of the EDI partner who receives the data.
receiverTransportIdPrevious	(0..1) String(20)	Identifies the former transport number (if exists)
operatorTransportId	(0..1 times) String	Id for the loco shipment transport (departure terminal → destination terminal) given by the intermodal operator processing at the departure terminal of the line section
gtwTripNumber	(0..1) String	Id for the complete shipment transport (origin terminal → final terminal) given by the intermodal operator processing at the origin terminal
uirrGtwCode	(0..1 time) Numeric(7)	Unique Gateway identification (UIRR Gateway Code)
customerRefNumber	M(1 time) String	Transport LSP reference
gateInPinCode	(0..1 time) String(20)	Pin Code for Gate-In
gateOutPinCode	(0..1 time) String(20)	Pin Code for Gate-Out
partnerCodeNumber	(0..1 times) String(15)	Partner internal code number (optional, e.g. used for troubleshooting from some specific partners)

Element	Format (M = mandatory) (status = specific or all)	Description
partnerCodeUser	(0..1 times) String(10)	Partner internal code user (optional, e.g. used for troubleshooting from some specific partners)
reexpeditionTerminal	(0..1 time)	See Terminal type (see page 66)
originTerminal	(0..1 time)	See Terminal type (see page 66). It identifies the first terminal of a gateway transport.
departureTerminal	M(1 time)	See Terminal type (see page 66)
destinationTerminal	M(1 time)	See Terminal type (see page 66)
routing	(0..1 time)	Routing of the relation
finalTerminal	(0..1 time)	See Terminal type (see page 66). In case of gateway transport.
endTerminal	(0..1 time)	See Terminal type (see page 66). In case of re-expedition.
departureDateRequired	(0..1 times) ISO Date	Departure date required
forecastDeliveryDateTime	(0..1 time) ISO Datetime	Forecast delivery date and time
forecastReadyForPickupDateTime	(0..1 time) ISO Datetime	Forecast ready for pickup date and time
senderName	(0..1 time) String	Name of transport sender
senderUIRRCode	M(1time) Number(5)	Sender UIRR code
receiverName	(0..1 time) String	Name of transport receiver
receiverUIRRCode	M(1time) Number(5)	Receiver UIRR code
invoiceeName	(0..1 time) String	Name of invoicee / debtor
invoiceeUIRRCode	M(1time) Number(5)	Invoicee UIRR code

Element	Format (M = mandatory) (status = specific or all)	Description
transportInvolvedCompanyUIRRCode1	(0..1 time) Number(5)	Transport involved company UIRR code
transportInvolvedCompanyUIRRCode2	(0..1 time) Number(5)	Transport involved company UIRR code
transportInvolvedCompanyUIRRCode3	(0..1 time) Number(5)	Transport involved company UIRR code
operatorInvolved (see page 78)	(0..n time)	See operatorInvolved type
bookingCustomerName	(0..1 time) String	Name of booking company which could be different from debtor.
bookingCustomerUIRRCode	(0..1 time) Number(5)	Booking company UIRR code
transportInvoicingCompanyName	(0..1) String	Name of the company invoicing the transport for the LSP
transportInvoicingCompanyUIRRCode	(0..1 time) Number(5)	UIRR Code of the company invoicing the transport for the LSP
fullEmpty	M(1 time) Boolean	True if full
grossWeight	M(1 time) Numeric(5)	Gross weight in kg
netWeight	M(1 time) Numeric(5)	Net weight in kg
realWeightItu	(0..1 time) Numeric	Real weight of the leading unit determined by the terminal craning system
roadCouplingCode	M(1 time) Boolean	True if loading unit is coupled
phytoMarkNeeded	(0..1 time) Boolean	True if phyto mark is needed
veterinaryMarkNeeded	(0..1 time) Boolean	True if veterinary mark is needed
scanning	(0..1 time) Boolean	True if scanning

Element	Format (M = mandatory) (status = specific or all)	Description
highPriorityDeparture	(0..1 time) Boolean	True if high priority departure
maritimeLabel	(0..1 time) Boolean	True if maritime shipment
typeOfTransportMethod	(0..1 time) String	Possible values: • 1 = Rail • 9 = Other
commercialServiceCode	(0..1 time) String(2)	It may contain the type of commercial service requested from the LSP. There are not predefined values.
shortCodeRemarks	(0..1 time) String(10)	Proposal for loading unit loading priority
temperatureControlledMin	(0..1 time) String(3)	Min Temperature required ex. -4 (degree)
temperatureControlledMax	(0..1 time) String(3)	Max Temperature required ex. +2 (degree)
temperatureSensitive	(0..1 time) Boolean	
slotSequencePriority	(0..1 time) Integer	Priority of loading in case that the customer has reserved some train slots
flagPickupOrder	(0..1 time) String(1)	Possible values: • 1 = pickup of empty • 2 = pickup of full
additionalCustomsInformation (see page 79)	(0..1 time)	See additionalCustomsInformation type
additionalService (see page 80)	(0..1 time)	See additionalService type
informationText	(0..1 time) String	Remarks
ituDetails (see page 38)	M(all, 1 time)	See ituDetailsRestricted30 type
routingTransportOrder (see page 81)	(0..1 time)	See routingTransportOrderType

15.7 OrderDetailsRestricted32 type

This segment contains information about shipment details

Element	Format (M = mandatory) (status = specific or all)	Description
senderTransportId	M(all, 1time) String(20)	This reference identifies the transport in the systems of the EDI partner who sends the data.
receiverTransportId	M(1 times) String(20)	This reference identifies the transport in the systems of the EDI partner who receives the data.
receiverTransportIdPrevious	(0..1) String(20)	Identifies the former transport number (if exists)
operatorTransportId	(0..1 times) String	Id for the loco shipment transport (departure terminal → destination terminal) given by the intermodal operator processing at the departure terminal of the line section
gtwTripNumber	(0..1) String	Id for the complete shipment transport (origin terminal → final terminal) given by the intermodal operator processing at the origin terminal
uirrGtwCode	(0..1 time) Numeric(7)	Unique Gateway identification (UIRR Gateway Code)
customerRefNumber	M(1 time) String	Transport LSP reference
gateInPinCode	(0..1 time) String(20)	Pin Code for Gate-In
gateOutPinCode	(0..1 time) String(20)	Pin Code for Gate-Out
partnerCodeNumber	(0..1 times) String(15)	Partner internal code number (optional, e.g. used for troubleshooting from some specific partners)

Element	Format (M = mandatory) (status = specific or all)	Description
partnerCodeUser	(0..1 times) String(10)	Partner internal code user (optional, e.g. used for troubleshooting from some specific partners)
reexpeditionTerminal	(0..1 time)	See Terminal type (see page 66)
originTerminal	(0..1 time)	See Terminal type (see page 66). It identifies the first terminal of a gateway transport.
departureTerminal	M(1 time)	See Terminal type (see page 66)
destinationTerminal	M(1 time)	See Terminal type (see page 66)
routing	(0..1 time)	Routing of the relation
finalTerminal	(0..1 time)	See Terminal type (see page 66). In case of gateway transport.
endTerminal	(0..1 time)	See Terminal type (see page 66). In case of re-expedition.
departureDateRequired	(0..1 times) ISO Date	Departure date required
forecastDeliveryDateTime	(0..1 time) ISO Datetime	Forecast delivery date and time
forecastReadyForPickupDateTime	(0..1 time) ISO Datetime	Forecast ready for pickup date and time
transportInvolvedCompanyUIRRCode1	(0..1 time) Number(5)	Transport involved company UIRR code
transportInvolvedCompanyUIRRCode2	(0..1 time) Number(5)	Transport involved company UIRR code
transportInvolvedCompanyUIRRCode3	(0..1 time) Number(5)	Transport involved company UIRR code
operatorInvolved (see page 78)	(0..n time)	See operatorInvolved type

Element	Format (M = mandatory) (status = specific or all)	Description
transportInvoicingCompanyName	(0..1) String	Name of the company invoicing the transport for the LSP
transportInvoicingCompanyUIRRCode	(0..1 time) Number(5)	UIRR Code of the company invoicing the transport for the LSP
fullEmpty	M(1 time) Boolean	True if full
grossWeight	M(1 time) Numeric(5)	Gross weight in kg
netWeight	M(1 time) Numeric(5)	Net weight in kg
realWeightItu	(0..1 time) Numeric	Real weight of the leading unit determined by the terminal craning system
roadCouplingCode	M(1 time) Boolean	True if loading unit is coupled
phytoMarkNeeded	(0..1 time) Boolean	True if phyto mark is needed
veterinaryMarkNeeded	(0..1 time) Boolean	True if veterinary mark is needed
scanning	(0..1 time) Boolean	True if scanning
highPriorityDeparture	(0..1 time) Boolean	True if high priority departure
maritimeLabel	(0..1 time) Boolean	True if maritime shipment
typeOfTransportMethod	(0..1 time) String	Possible values: • 1 = Rail • 9 = Other
commercialServiceCode	(0..1 time) String(2)	It may contain the type of commercial service requested from the LSP. There are not predefined values.
shortCodeRemarks	(0..1 time) String(10)	Proposal for loading unit loading priority
temperatureControlledMin	(0..1 time) String(3)	Min Temperature required ex. -4 (degree)

Element	Format (M = mandatory) (status = specific or all)	Description
temperatureControlledMax	(0..1 time) String(3)	Max Temperature required ex. +2 (degree)
temperatureSensitive	(0..1 time) Boolean	
slotSequencePriority	(0..1 time) Integer	Priority of loading in case that the customer has reserved some train slots
flagPickupOrder	(0..1 time) String(1)	Possible values: • 1 = pickup of empty • 2 = pickup of full
additionalCustomsInformation (see page 79)	(0..1 time)	See additionalCustomsInformation type
additionalService (see page 80)	(0..1 time)	See additionalService type
informationText	(0..1 time) String	Remarks
ituDetails (see page 38)	M(all, 1 time)	See ituDetailsRestricted30 type
routingTransportOrder (see page 81)	(0..1 time)	See routingTransportOrderType

15.8 TrainDetailsRestricted type

This segment contains information about the train details.

Element	Format (M = mandatory) (status = specific or all)	Description
trainNumber	M(1 time) String(6)	Operational train number (train number of infrastructure manager as indicated by the operator)
networkRuTrainNumber	(0..1 time) String	Represents the train number of the first train in the network
RuTrainId	(0..1 time)	See TAFTSICompositIdentifierOperationalType (see page 109)
externalTrainId	(0..1 time) String(8)	Treknumber for Maritime partners (train number as it is identified in external systems, e.g. like in ports)
OperatorTrainId	(0..1 time)	See TAFTSICompositIdentifierOperationalType (see page 109)
ruContractNumber	(0..1 time) String	Contract number with RU
TAFTSIRuCompanyCode	(0..1 time) Numeric(4)	TAF TSI RU Company Code
TAFTSIOperatorCode	(0..1 time) Numeric(4)	TAF TSI Operator Company Code
closingForAcceptanceDateTime	(0..1 time) ISO Datetime	Closing for acceptance date and time
departureDate	M(1 time) ISO Date	Date of departure (date of closure of unit acceptance in terminal. It's not the real train departure from terminal)
closingForLoadingDateTime	(0..1 time) ISO Datetime	Closing for loading date and time
plannedRuTrainDepartureDateTime	(0..1 time) ISO Datetime	Planned RU train departure date and time

Element	Format (M = mandatory) (status = specific or all)	Description
realRuTrainDepartureDateTime	(0..1 time) ISO Datetime	Real RU train departure date and time
arrivalDateTime	(0..1 time) ISO Datetime	Arrival date and time
arrivalStationDateTime	(0..1 time) ISO Datetime	Arrival station date and time
arrivalTerminalDateTime	(0..1 time) ISO Datetime	Arrival terminal date and time
arrivalPointOfDisposalDateTime	(0..1 time) ISO Datetime	Arrival point of disposal date and time

15.9 GoodsInformation type

This segment contains data concerning non dangerous goods.

Element	Format (M = mandatory)(status = specific or all)	Description
description	M(all,1time) String	Good description
netWeight	M(all,1time) Numeric(5)	Net weight (kg)
packageQuantity	(0..1 time) Numeric(5)	Quantity of packages
packageType	(0..1 time) String(15)	Type of package
nhmCode	(0..1 time) String(8)	Nhm code
wasteInformation (see page 56)	(0..1 time)	See WasteInformation type

15.10 DangerousGoodsInformation type

This segment contains information concerning dangerous goods.

Element	Format (M = mandatory)(status = specific or all)	Description
description	M(all,1time) String	Product description
nagDescription	(0..1 time) String	Additional description in case of Not Other Specified (NAG)
packageQuantity	(0..1 time) Numeric(5)	Quantity of packages
packageType	(0..1 time) String(15)	Type of packages
unNumber	M(all,1time) Numeric(4)	UN international code
netWeight	M(all,1time) Numeric(5)	Net weight (kg)
limitedQty	(0..1 time) Boolean	“True” if limited quantity
kemmlerNumber	(0..1 time) String(4)	Kemmler/Dangerous Number (UN definition)
packageGroup	(0..1 time) String(5)	Packaging group (I/II/III...)
dangerLabels	(0..1 time) String	Dangerous good labels (4 labels,each 4 digits)
classificationCode	(0..1 time) String(5)	Classification Code (F1,TC2)
marginal1144	(0..1 time) Boolean	“True” if marginal1144
marginal54122d	(0..1 time) Boolean	“True” if marginal54122d
guardsOpeningDate	(0..1 time) ISO Date	Minimum date for valve opening
explosiveWeight	(0..1 time) Numeric(5)	Weight of the explosive (kg)

Element	Format (M = mandatory)(status = specific or all)	Description
nhmCode	(0..1 time) String(8)	Nhm code
environmentPollutant	(0..1 time) Boolean	“True” if environmental pollutant
dangGoodRules	(0..1 time) Boolean	“True” if declared according to new rules (only in case of transition period)
specialPrescriptions	(0..1 time) String(30)	Special prescriptions (5 prescriptions,each 6 digits)
fireworksReferenceNbr	(0..1 time) String	Reference number in case of fireworks goods
fireworksCountry	(0..1 time) String(2)	ISO country code
fireworksAuthority	(0..1 time) String	Fireworks authority
fireworksAuthorityUIRRCode	(0..1 time) Integer(2)	Fireworks authority UIRR code
rid100	(0..1 time) Boolean	“True” if transport according 5.4.1.1.14
rid101	(0..1 time) Boolean	“True” if transport according 4.3.2.4.3
rid102	(0..1 time) Boolean	“True” if transport according 4.3.2.4.4
rid103	(0..1 time) Boolean	“True” if transport according 7.5.8.1
rid104	(0..1 time) Boolean	“True” if transport according 2.2.41.1.13
rid105	(0..1 time) Boolean	“True” if transport according 2.2.52.1.8
rid106	(0..1 time) Boolean	“True” if transport according 2.2.41.1 5

Element	Format (M = mandatory)(status = specific or all)	Description
rid107	(0..1 time) Boolean	“True” if transport according 2.2 52. 1.9
rid108	(0..1 time) Boolean	“True” if material autoreactive non considered for class 4
rid109	(0..1 time) Boolean	“True” if material autoreactive non considered for class 5.2
rid110	(0..1 time) ISO Date	Fumigation date
rid111	(0..1 time) ISO Time	Fumigation time
rid112	(0..1 time) String	Fumigation agents
rid113	(0..1 time) Numeric(5)	Quantity (kg) of fumigation elements used
rid114	(0..1 time) String	Company responsible for material class 6.2 – 5.4.1.2.4 (infective)
rid115	(0..1 time) String	Company phone for material class 6.2 5.4.1.2.4 (infective material)
rid116	(0..1 time) Boolean	“True” if transport according 4.1.2.2(b)
rid117	(0..1 time) Boolean	“True” if transport according 6.7.2.19.6(b)
rid118	(0..1 time) Boolean	“True” if transport according 6.7.3.15.6(b)
rid119	(0..1 time) Boolean	“True” if transport according 6.7.4.14.6(b)
rid120	(0..1 time) String	Empty container type article RID 5.4.1.1.6.2.1 and 5.4.1.1.6.2.2
orangeTable	(0..1 time) Boolean	“True” if present in orange table

Element	Format (M = mandatory)(status = specific or all)	Description
emergencyInstructionsQuantity	(0..1 time) Numeric(3)	
class	(0..1 time) String(10)	Product class
casNumber	(0..1 time) String(8)	
marginal1143	(0..1 time) Boolean	
marginal1131c	(0..1 time) Boolean	
emsNumber	(0..1 time) String(6)	Ems number
mfagNumber	(0..1 time) String(5)	Mfag number
exDangerousMark	(0..1 time) Boolean	“False” in the case the loading unit is empty but not cleaned. (Tankcontainer)
specialPrescriptionCode	(0..1 time) String	
ridprog	(0..1 time) Numeric(5)	
sea	(0..1 time) String(1)	
rid121	(0..1 time) String	
rid122	(0..1 time) String	
rid123	(0..1 time) String	
goodsHotTransport	(0..1 time) Boolean	“True” if hot transport
infoText	(0..1 time) String	Additional good information
rid124	(0..1 time) Boolean	“True” if Waste in compliance with 2.1.3.5.5

Element	Format (M = mandatory)(status = specific or all)	Description
rid125	(0..1 time) String(1)	Container filled with mix materials 6.11.4 Possible values: • “1” = BK1 • “2” = BK2
rid125A	(0..1 time) String(2)	Linked with RID 125, country code
n1136	(0..1 time) Boolean	
DGadditionalMarginalInformation (see page 60)	(0..1 time)	See DGadditionalMarginalInformation type
wasteInformation (see page 56)	(0..1 time)	See WasteInformation type

15.11 WasteInformation type

This segment contains information about waste information.

Element	Format (M = mandatory) (status = specific or all)	Description
cerCode	(0..1 time) String(15)	CER code
module54B	(0..1 time) String(20)	Waste/litter: international codification
competentAuthority	(0..1 time) String	Competent Authority for waste
type	(0..1 time) String(1)	Waste type Possible values: • “” = Not a waste transport • “2“ = Mod. IB • “3” = Mod. VII • “4” = Mod. III • “5” = Mod FIR

15.12 SealsInformation type

This segment contains the identification of how many and which seal numbers have been applied to the loading unit.

Element	Format (M = mandatory)(status = specific or all)	Description
sealNumber	M(all,1time) String(20)	Seal identification
sealAmount	M(all,1time) Numeric(2)	Quantity of seals
sealType	(0..1 time) String(2)	Seal type
sealLocation	(0..1 time) String	Seal location

15.13 CustomsInformation type

This segment contains data regarding customs documents concerning the transport.

Element	Format (M = mandatory)(status = specific or all)	Description
documentNumber	M(all,1time) String	Document number
documentType	M(all,1time) String(5)	Document type (T1, T2, etc.)
documentDate	M(all,1time) ISO Date	Document date
presentationDate	(0..1 time) ISO Date	Custom document presentation date
departureCountry	(0..1 time) String(3)	Departure country ISO code
departureCustomsOffice	(0..1 time) String	Custom office of departure
arrivalCountry	(0..1 time) String(3)	Arrival country ISO code
arrivalCustomsOffice	M(all,1time) String	Customs Office location
customsAgentInDepartureCountry	(0..1 time) String	Name of the customs agent in the departure country
customsAgentInArrivalCountry	(0..1 time) String	Name of the customs agent in the arrival country
customsDocumentConsignor	(0..1 time) String	Consignor of the customs document
customsDocumentConsignee	(0..1 time) String	Consignee of the customs document
customsHSCode	(0..1 time) String	additional to nhm-Code
customsTaricCode	(0..1 time) String	additional to nhm-Code
customsCustodian	(0..1 time) String	Name of the custodian processing customs

Element	Format (M = mandatory)(status = specific or all)	Description
customsDeclarant	(0..1 time) String	Name of the party declaring customs
description	(0..1 time) String	Additional description

15.14 DGadditionalMarginalInformation type

This segment allows to add additional RID (international carriage of dangerous goods by rail) code information to the dangeours goods segment.

Element	Format (M = mandatory)(status = specific or all)	Description
RIDMarginal	M(all,1time) String	RIDMarginal codification (ex.5.4.1.1)
RIDMarginalText	M(all,1time) String	Text to be reported on documents or forwarded in EDI with partner
RIDMarginalInformation01	M(all,1time) String	Marginal Information 01
RIDMarginalInformation02	M(all,1time) String	Marginal Information 02
RIDMarginalInformation03	M(all,1time) String	Marginal Information 03
RIDMarginalInformation04	M(all,1time) String	Marginal Information 04
RIDMarginalInformation05	M(all,1time) String	Marginal Information 05
RIDMarginalInformation06	M(all,1time) String	Marginal Information 06
RIDMarginalInformation07	M(all,1time) String	Marginal Information 07
RIDMarginalInformation08	M(all,1time) String	Marginal Information 08
RIDMarginalInformation09	M(all,1time) String	Marginal Information 09
RIDMarginalInformation10	M(all,1time) String	Marginal Information 10

15.15 WagonDetails type

This segment contains information about the wagon details.

Element	Format (M = mandatory) (status = specific or all)	Description
wagonNumber	(M all, 1 time) String(12)	Wagon number
wagonType	(0..1 time) String	Wagon type
wagonCompatibilityCode	(0..1) String(1)	Can be one of (a, b, c, d, e, f)
wagonModule	(0..1 time) Numeric(1)	In case of multi-module wagon, it indicates which one of the module is related to
gpsUnit	(0..1 time) Boolean	True if gps is present
wagonAxes	(0..1 time) Numeric(1)	Number of axes of the wagon
wagonLength	(M all, 1 time) Number(4)	Length of the wagon (cm)
wagonTrestleHeight	(0..1) Integer (5)	Height of the trestle (cm)
wagonTare	(M all, 1 time) Number(5)	Wagon tare weight (kg)
wagonMaxWeight	(0..1 time) Numeric	Maximum loading weight of wagon (kg)
wagonBrakeWeight	(0..1 time) Numeric(8)	Wagon brakes weight (kg)
wagonManualBrakeWeight	(0..1 time) Numeric(8)	Wagon manual brakes weight (kg)

15.16 SeaTransportInformation type

This segment contains the specific data for maritime transports departing or arriving at a certain port or pier.

Element	Format (M = mandatory)(status = specific or all)	Description
importExport	M(all,1time) String(1)	Import / export flag. Possible values: • “” = unknown / not applicable • “E“ = Export from Europe • “I“ = Import into Europe
vesselName	(0..1 time) String	Vessel name departing/arriving
vesselCode	(0..1 time) String(10)	Vessel international code
voyageNumber	(0..1 time) String	Voyage number reference
shippingCompany	(0..1 time) String	Shipping company name
shippingCompanyCode	(0..1 time) String	Shipping company international code
shippingLine	(0..1 time) String	Name of the Shipping Line
shippingLineCode	(0..1 time) String	Shipping Line international code (SCAC)
bookingNumber	(0..1 time) String	Booking number by shipping company
billLadingNumber	(0..1 time) String	Bill of lading document number
departureHarbourName	(0..1 time) String	Departure Harbour name
departureHarbourCode	(0..1 time) String	Departure harbour international code
arrivalHarbourName	(0..1 time) String	Arrival harbour name

Element	Format (M = mandatory)(status = specific or all)	Description
arrivalHarbourCode	(0..1 time) String(10)	Arrival Harbour International code
pierTrainLoadName	(0..1 time) String	Pier name train load
pierTrainUnloadName	(0..1 time) String	Pier name train unload
pierShipLoadName	(0..1 time) String	Departure pier code/name
pierShipLoadCode	(0..1 time) String	Pier ship load code
pierShipUnloadName	(0..1 time) String	Arrival pier Name
pierShipUnloadCode	(0..1 time) String	Arrival pier code
shipUnloadDateTime	(0..1 time) ISO Datetime	Ship unload date and time
etdDateTime	(0..1 time) ISO Datetime	Expected date and time of departure
etaDateTime	(0..1 time) ISO Datetime	Expected date and time of arrival
loadingUnitDateTime	(0..1 time) ISO Datetime	Loading unit date and time
closingDateTime	(0..1 time) ISO Datetime	Closing date and time of loading on vessel
shuntingDateTime	(0..1 time) ISO Datetime	Shunting date and time
shippingAgent	(0..1 time) String	Shipping agent name/code
shippingAgentCode	(0..1 time) String(20)	Shipping agent international code
forwarder	(0..1 time) String	Forwarder name
forwarderCode	(0..1 time) String(10)	Forwarder international code
goodsStatus	(0..1 time) String(1)	Possible values: • “” = not urgent

Element	Format (M = mandatory)(status = specific or all)	Description
		• “U” = urgent
customDocumentDateTime	(0..1 time) ISO Datetime	Custom document date and time
countryOfOrigin	(0..1 time) String(3)	Country of origin ISO code
countryOfFinalDestination	(0..1 time) String(3)	Country of final destination ISO code
customsHandling	(0..1 time) String	
customsHandlingCode	(0..1 time) String	
pickupReference	(0..1 time) String(20)	Reference for container pick-up
deliveryReference	(0..1 time) String(20)	Reference for container delivery
portCallNr	(0..1 time) String(20)	
lloydsNr	(0..1 time) String(20)	
articleNr	(0..1 time) String(20)	
itemNumber	(0..1 time) String(20)	
customClearancePlace	(0..1 time) String(40)	Place of future custom clearance
customClearanceCompany	(0..1 time) String(40)	Company responsible for future custom clearance
repositioning	(0..1 time) String(20)	Only in case of repositioning to the original location
pickupDeliveryOrder	(0..1 time) Boolean	
informationText	(0..1 time) String	Additional information text
remark	(0..1 time) String	Additional maritime remarks

Element	Format (M = mandatory)(status = specific or all)	Description
vesselRemark	(0..1 time) String	Additional remarks
callSign	(0..1 time) String(5)	
containerOwnerCompany	(0..1 time) String	
containerCarrierCompanyUIRRCode	(0..1 time) Integer(5)	

15.17 Terminal type

This segment contains information about a terminal.

Element	Format (M = mandatory) (status = specific or all)	Description
terminalUIRRCode	(M, 1 time) Numeric(3)	Terminal UIRR code
terminalName	(0..1 time) String	Terminal name
terminalShortName	(0..1 time) String	Terminal short name
TAFTSITerminalCountryISOCode	(0..1 time) String(2)	TAF TSI country ISO Code 3166-1 alpha code
TAFTSITerminalLocationPrimaryCode	(0..1 time) Numeric	TAF TSI location primary code. Range 0 - 9999
TAFTSITerminalLocationPrimaryName	(0..1 time) String(255)	TAF TSI location primary name
LocationSubsidiaryIdentification	(0..1 time)	See TAFTSILocationSubsidiaryIdentification type (see page 106)
referenceLocation	(0..1 time) String(1)	Possible values: • D=departure • A=arrival

15.18 Station type

This segment contains information about a station.

Element	Format (M = mandatory) (status = specific or all)	Description
stationUIC	(M, 1 time) Numeric(8)	Station UIC code
stationName	(0..1 time) String	Station name
TAFTSIStationCountryISOCode	(0..1 time) String(2)	TAF TSI country ISO Code 3166-1 alpha code
TAFTSIStationLocationPrimaryCode	(0..1 time) Numeric	TAF TSI location primary code. Range 0 - 9999
TAFTSIStationLocationPrimaryName	(0..1 time) String(255)	TAF TSI location primary name
LocationSubsidiaryIdentification	(0..1 time)	See TAFTSILocationSubsidiaryIdentification type (see page 106)

15.19 Location type

This segment contains information about location type.

Element	Format (M = mandatory) (status = specific or all)	Description
TAFTSILocationCountryISOCode	String(2)	TAF TSI country ISO Code 3166-1 alpha code
TAFTSILocationPrimaryCode	Numeric	TAF TSI location primary code. Range 0 - 9999
TAFTSILocationPrimaryName	(0..1 time) String(255)	TAF TSI location primary name
LocationSubsidiaryIdentification	(0..1 time)	See TAFTSILocationSubsidiaryIdentification type (see page 106)
TrainLocationStatus	String(2)	TAF TSI Running Status. 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

Element	Format (M = mandatory) (status = specific or all)	Description
		18 Wagon arrived at reporting point 19 Wagon departure from reporting point

15.20 PositioningData type

This segment contains information about positioning data.

Element	Format (M = mandatory) (status = specific or all)	Description
positioningDateTime	(M, 1 time) ISO Datetime	Positioning Date and time
longitude	(M, 1 time) Decimal	Longitude
latitude	(M, 1 time) Decimal	Latitude
localization	(0..1) String	Localization
gpsDeviceId	(0..1) String	GPS device ID

15.21 TrainDetailsGeneric type

This segment contains information about the details of the train used in EDIGES generic messages.

Element	Format (M = mandatory) (status = specific or all)	Description
trainNumber	(M all, 1 time) String(6)	Train number
departureDate	(M all, 1 time) ISO Date	Departure date
RuTrainId	(M all, 1 time)	See TAFTSICompositIdentifierOperationalType (see page 109)
externalTrainId	(0..1 time) String(8)	External train ID
OperatorTrainId	(0..1 time)	See TAFTSICompositIdentifierOperationalType (see page 109)
departureDate	(M all, 1 time) ISO Date	Date of departure (date of closure of unit acceptance in terminal. Not the real train departure from terminal)
plannedRuTrainDepartureDateTime	(0..1 time) ISO Datetime	Planned RU train departure date and time

15.22 TrainGeneric type

This segment contains information about train generic messages.

Element	Format (M = mandatory) (status = specific or all)	Description
departureTerminal (see page 66)	M(all, 1time)	See Terminal type
arrivalTerminal (see page 66)	M(all, 1time)	See Terminal type
routing	(0..1 time)	Routing of the relation
trainDetails (see page 71)	M(all, 1time)	See TrainDetailsGeneric type
wagonNumber	(M all, 1 time) String(13)	Wagon number
additionalRemarks	(0..1 time) String	Additional remarks

15.23 TerminalData type

This segment contains information about terminal data.

Element	Format (M = mandatory) (status = specific or all)	Description
openingHoursSector	(M, 1 time) String	Possible values: • Agency • Terminal • Crane • AgencyAndTerminal
validFrom	(M, 1 time) ISO Date	Valid from date
validTo	(0..1 time) ISO Date	Valid to date
openingHour	(0..1 time)	See Opening Hour type (see page 74)

15.24 OpeningHour type

This segment contains information about terminal opening hour type.

Element	Format (M = mandatory) (status = specific or all)	Description
monday	(M, 1 time)	See Day Hours type (see page 75)
tuesday	(M, 1 time)	See Day Hours type (see page 75)
wednesday	(M, 1 time)	See Day Hours type (see page 75)
thursday	(M, 1 time)	See Day Hours type (see page 75)
friday	(M, 1 time)	See Day Hours type (see page 75)
saturday	(M, 1 time)	See Day Hours type (see page 75)
sunday	(M, 1 time)	See Day Hours type (see page 75)
specialDays	(0..n time)	

15.25 DayHours type

This segment contains information about day hours type.

Element	Format (M = mandatory) (status = specific or all)	Description
twentyfourhours	(M, 1 time) Boolean	True if opened 24 hours
closed	(M, 1 time) Boolean	True if closed
hours	(M, 1..n time)	See Hours type (see page 77)

15.26 SpecialDays type

This segment contains information about special days type.

Element	Format (M = mandatory) (status = specific or all)	Description
day	(0..n time)	See Day Hours type (see page 75)

15.27 Hours type

This segment contains information about hours type.

Element	Format (M = mandatory) (status = specific or all)	Description
opening	(M, 1 time) ISO Time	Opening time
closing	(M, 1 time) ISO Time	Closing time

15.28 OperatorInvolved type

This segment contains information about operator involved type.

Element	Format (M = mandatory) (status = specific or all)	Description
operatorInvolvedUIRRCode	(M, 1 time) Integer(2)	UIRR code of the involved operator in the transportation
operatorRole	(M, 1 time) String	Role of the operator involved. Possible values: • operating • invoicing

15.29 CustomsAdditionalFormalities type

This segment contains information about customs additional formalities

Element	Format (M = mandatory) (status = specific or all)	Description
customsFormalities	(0..1 time) String	Possible values: • 1 = Customs at the departure terminal • 2 = Customs at the destination terminal • 3 = No customs required • 9 = Customs during transit
customsForwarder	(0..1 time) String	(UIRR-Nr.) of the forwarder for customs formalities
customsAtArrivalTerminal	(0..1 time) Boolean	True if customs at arrival terminal
customsArrivalTerminal	(0..1 time) String	See Terminal type (see page 66)
customsAgentAtArrivalTerminalUIRRCode	(0..1 time) Integer(5)	UIRR code of the customs agent

15.30 AdditionalService type

This segment contains information about additional customs information

Element	Format (M = mandatory) (status = specific or all)	Description
serviceLocation	(M, 1 time) String	Location of the service
serviceType	(M, 1 time) String	Type of the service
serviceDescription	(M, 1 time) String	Description of the service

15.31 RoutingTransportOrder type

This segment contains information about routing transport order

Element	Format (M = mandatory) (status = specific or all)	Description
routingTransportOrderElement	(M, n time) Integer	See RoutingTransportOrderElement type (see page 82)

15.32 RoutingTransportOrderElement type

This segment contains information about an element of routing transport order

Element	Format (M = mandatory) (status = specific or all)	Description
transportLegSequence	(M, 1 time) Integer	
arrangedByOperator	(M,1 time) Boolean	
transportOrderModality	(M,1 time)	See DeliveryDistributionRouting type[4]

4 https://edigesconsortium.atlassian.net/wiki/spaces/ED/pages/1952448513/DeliveryDistributionRouting+type

15.33 RoutingPlanned type

This segment contains information about routing planned

Element	Format (M = mandatory) (status = specific or all)	Description
routingTransportOrderElement	(M, n time) Integer	See RoutingPlannedElement type (see page 84)

15.34 RoutingPlannedElement type

This segment contains information about an element of routing transport order

Element	Format (M = mandatory) (status = specific or all)	Description
transportLegSequence	(M, 1 time) Integer	
arrangedByOperator	(M,1 time) Boolean	
transportLegModality	(M,1 time) String(1)	Delivery type of the loading unit Possible values: • “1” = road • “2” = rail • “3” = ferry • “4” = vessel • “5” = storage • “6” = no information
departureLocationName	(M,1 time) String	
arrivalLocationName	(M,1 time) String	

15.35 ResponseData type

This segment contains information about response data type

Element	Format (M = mandatory) (status = specific or all)	Description
responseCode	(0..1 time) String	
responseText	(M,1 time) String	
responseError	(0..n time)	

15.36 ResponsibleActor type

Actor who is responsible for the delay or interruption

Element	Format (M = mandatory) (status = specific or all)	Description
ResponsibleIM	(0..1) String(4)	Infrastructure manager
ResponsibleAU	(0..1) String(255)	Authority
ResponsibleRU	(0..1) String(4)	Railway undertaking
ResponsibleTO	(0..1) String(4)	Terminal operator
ResponsibleIO	(0..1) String(4)	Intermodal operator
ResponsibleLSP	(0..1) String(6)	Logistic service provider
ResponsibleOther	(0..1) String(255)	Other

15.37 ResponsibleAsset type

Responsible asset type

Element	Format (M = mandatory) (status = specific or all)	Description
Section	(0..1)	If the problem is related to a section (Brenner, Gotthard)
LocationFrom	(M,1)	See TAFTSILocationIdent type (see page 108)
LocationTo	(M,1)	See TAFTSILocationIdent type (see page 108)
Location	(0..1)	If the problem is related to a specific location or terminal (Munich, KTL) See TAFTSILocationIdent type (see page 108)
Train	(0..1)	If the problem is related to a specific train (50999)
TrainLocation	(0..1)	See TAFTSILocationIdent type (see page 108)
TrainLocationStatus	(0..1)	TAF TSI Coding for disruption reasons: 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

Element	Format (M = mandatory) (status = specific or all)	Description
		18 Wagon arrived at reporting point 19 Wagon departure from reporting point
trainDetails (see page 48)	(1,n)	See trainDetailsRestricted type
Wagon	(0..1)	If the problem is related to a specific wagon
WagonLocation	(0..1)	See TAFTSILocationIdent type (see page 108)
wagonDetails (see page 89)	(1..n)	See wagonDetails (with damage) type
LoadingUnit	(0..1)	If the problem is related to a specific loading unit
UnitLocation	(0..1)	See TAFTSILocationIdent type (see page 108)
orderDetails (see page 90)	(1..n)	See orderDetails (with damage) type
Other	(0..1) String(255)	If it is not a location or an asset

15.38 WagonDetailsWithDamage type

This segment contains information about the wagon details with damage.

Element	Format (M = mandatory) (status = specific or all)	Description
wagonNumber	(M all, 1 time) String(12)	Wagon number
wagonType	(0..1 time) String	Wagon type
wagonCompatibilityCode	(0..1) String(1)	Can be one of (a, b, c, d, e, f)
wagonModule	(0..1 time) Numeric(1)	In case of multi-module wagon, it indicates which one of the module is related to
gpsUnit	(0..1 time) Boolean	True if gps is present
wagonAxes	(0..1 time) Numeric(1)	Number of axes of the wagon
wagonLength	(M all, 1 time) Number(4)	Length of the wagon (cm)
wagonTrestleHeight	(0..1) Integer (5)	Height of the trestle (cm)
wagonTare	(M all, 1 time) Number(5)	Wagon tare weight (kg)
wagonMaxWeight	(0..1 time) Numeric	Maximum loading weight of wagon (kg)
wagonBrakeWeight	(0..1 time) Numeric(8)	Wagon brakes weight (kg)
wagonManualBrakeWeight	(0..1 time) Numeric(8)	Wagon manual brakes weight (kg)
DamageInformation[5]	(0..1 time)	See damagesInformationType

5 https://edigesconsortium.atlassian.net/wiki/spaces/ED/pages/586645530/DamagesInformation+type

15.39 OrderDetailsWithDamage type

This segment contains information about shipment details.

Element	Format (M = mandatory) (status = specific or all)	Description
senderTransportId	M(1time) String(20)	This reference identifies the transport in the systems of the EDI partner who sends the data.
receiverTransportId	(0..1 times) String(20)	This reference identifies the transport in the systems of the EDI partner who receives the data.
receiverTransportIdPrevious	(0..1) String(20)	Identifies the former transport number (if exists)
operatorTransportId	(0..1 times) String	Id for the loco shipment transport (departure terminal → destination terminal) given by the intermodal operator processing at the departure terminal of the line section
gtwTripNumber	(0..1) String	Id for the complete shipment transport (origin terminal → final terminal) given by the intermodal operator processing at the origin terminal
uirrGtwCode	(0..1 time) Numeric(7)	Unique Gateway identification (UIRR Gateway Code)
customerRefNumber	(0..1 time) String	Transport reference of the LSP
gateInPinCode	(0..1 time) String(20)	Pin Code for Gate-In
gateOutPinCode	(0..1 time) String(20)	Pin Code for Gate-Out
partnerCodeNumber	(0..1 times) String(15)	Partner internal code number (optional, e.g. used for troubleshooting from some specific partners)

Element	Format (M = mandatory) (status = specific or all)	Description
partnerCodeUser	(0..1 times) String(15)	Partner internal code user (optional, e.g. used for troubleshooting from some specific partners)
reexpeditionTerminal	(0..1 time)	See Terminal type (see page 66)
originTerminal	(0..1 time)	See Terminal type (see page 66). It identifies the first terminal of a gateway transport.
departureTerminal	(0..1 time)	See Terminal type (see page 66)
destinationTerminal	(0..1 time)	See Terminal type (see page 66)
routing	(0..1 time)	Routing of the relation
finalTerminal	(0..1 time)	See Terminal type (see page 66). In case of gateway transport.
endTerminal	(0..1 time)	See Terminal type (see page 66). In case of re-expedition.
departureDateRequired	(0..1 times) ISO Date	Departure date required
forecastDeliveryDateTime	(0..1 time) ISO Datetime	Forecast delivery date and time
forecastReadyForPickupDateTime	(0..1 time) ISO Datetime	Forecast ready for pickup date and time
senderName	(0..1 time) String	Name of transport sender
senderUIRRCode	(0..1 time) Number(5)	Sender UIRR code
receiverName	(0..1 time) String	Name of transport receiver
receiverUIRRCode	(0..1 time) Number(5)	Receiver UIRR code
invoiceeName	(0..1 time) String	Name of invoicee / debtor
invoiceeUIRRCode	(0..1 time)Number(5)	Invoicee UIRR code

Element	Format (M = mandatory) (status = specific or all)	Description
transportInvolvedCompanyUIRRCode1	(0..1 time) Number(5)	Transport involved company UIRR code
transportInvolvedCompanyUIRRCode2	(0..1 time) Number(5)	Transport involved company UIRR code
transportInvolvedCompanyUIRRCode3	(0..1 time) Number(5)	Transport involved company UIRR code
operatorInvolved (see page 78)	(0..n time)	See operatorInvolved type
bookingCustomerName	(0..1 time) String	Name of booking company which could be different from debtor.
bookingCustomerUIRRCode	(0..1 time) Number(5)	Booking company UIRR code
transportInvoicingCompanyName	(0..1) String	Name of the company invoicing the transport for the LSP
transportInvoicingCompanyUIRRCode	(0..1 time) Number(5)	UIRR Code of the company invoicing the transport for the LSP
fullEmpty	(0..1 time) Boolean	True if full
grossWeight	(0..1 time) Numeric(5)	Gross weight in kg
netWeight	(0..1 time) Numeric(5)	Net weight in kg
realWeightItu	(0..1 time) Numeric	Real weight of the loading unit determined by the terminal craning system
roadCouplingCode	(0..1 time) Boolean	True if the loading unit is coupled
phytoMarkNeeded	(0..1 time) Boolean	True if phyto mark is needed
veterinaryMarkNeeded	(0..1 time) Boolean	True if veterinary mark is needed
scanning	(0..1 time) Boolean	True if scanning

Element	Format (M = mandatory) (status = specific or all)	Description
highPriorityDeparture	(0..1 time) Boolean	True if high priority departure
maritimeLabel	(0..1 time) Boolean	True if maritime shipment
typeOfTransportMethod	(0..1 time) String	Possible values: • 1 = Rail • 9 = Other
commercialServiceCode	(0..1 time) String(2)	It may contain the type of commercial service requested from LSP. There are not predefined values.
shortCodeRemarks	(0..1 time) String(10)	Proposal for loading unit loading priority
temperatureControlledMin	(0..1 time) String(3)	Min Temperature required ex. -4 (degree)
temperatureControlledMax	(0..1 time) String(3)	Max Temperature required ex. +2 (degree)
temperatureSensitive	(0..1 time) Boolean	
slotSequencePriority	(0..1 time) Integer	Priority of loading in case that the customer has reserved some train slots
flagPickupOrder	(0..1 time) String(1)	Possible values: • 1 = pickup of empty • 2 = pickup of full
additionalCustomsInformation (see page 79)	(0..1 time)	See additionalCustomsInformation type
additionalService (see page 80)	(0..1 time)	See additionalService type
informationText	(0..1 time) String	Remarks
ituDetails[6]	M(all, 1 time)	See ituDetails type
routingTransportOrder (see page 81)	(0..1 time)	See routingTransportOrderType

6 https://edigesconsortium.atlassian.net/wiki/spaces/ED/pages/601751574/ItuDetails+type

Element	Format (M = mandatory) (status = specific or all)	Description
DamageInformation[7]	(0..1 time)	See damagesInformation type

7 https://edigesconsortium.atlassian.net/wiki/spaces/ED/pages/586645530/DamagesInformation+type

15.40 Event type

Description of the irregularity that has occurred

Element	Format (M = mandatory) (status = specific or all)	Description
DelayReport (see page 103)	(0..1)	Entry in case of a delay. See Delay type
InterruptionReport (see page 104)	(0..1)	Entry in case of an interruption. See Interruption type
InformationReport	(0..1) String(255)	Free text field to describe an irregularity event
EventDateTime	(0..1)	StartDateTime and/or EndDateTime of the delay or interruption See EventDuration type (see page 96)
EventDelay	(0..1) String(5)	Delay of the actual tranpsort in minutes. First character is the sign + or - then 4 digits
EventType	(0..1) String(255)	Free text field. For example: delay, suspension, status information, change notification, not active anymore, closed etc.

15.41 EventDuration type

To specifiy the probable duration of the interruption

Element	Format (M = mandatory) (status = specific or all)	Description
StartDateTime	(0..1) Datetime	Time or start of the delay or interruption
EndDateTime	(0..1) Datetime	End of the delay or interruption

15.42 Reason type

To specifiy the reason type

Element	Format (M = mandatory) (status = specific or all)	Description
ReasonCode	(M,1) String(5)	Reason for a delay or interruption: • A01 - Force majeure • A0101 Force majeure - Force majeure - Railway accident • A0102 Force majeure - Force majeure - Railway incident • A0103 Force majeure - Force majeure - Strike • A0104 Force majeure - Force majeure - Weather Condition • A0105 Force majeure - Force majeure - Illigal immigrants • A02 - IT problems • A0201 All parties - IT problems - IT problem terminal • A0202 All parties - IT problems - IT problem intermodal operator system • A0203 All parties - IT problems - IT problem RU • A0204 All parties - IT problems - IT problem infrastructure • A03 - Infra works • A0301 Railway undertaking - Infra works - Delay due to announced infra work • A0302 Railway undertaking - Infra works - Delay due to not announced infra works • A04 - Missing resources • A0401 Railway undertaking - Missing resources - Missing loco • A0402 Railway undertaking - Missing resources - Missing loco driver • A0403 Railway undertaking - Missing resources - Missing wagon master • A05 - Technical issues RU • A0501 Railway undertaking - Technical issues RU - Defect loco • A0502 Railway undertaking - Technical issues RU - Damaged wagon

Element	Format (M = mandatory) (status = specific or all)	Description
		• A0503 Railway undertaking - Technical issues RU - Damaged loading unit • A0504 Railway undertaking - Technical issues RU - Wrong parameters of train • A0505 Railway undertaking - Technical issues RU - Mom-compliant wagon loading unit regulation • A06 - Operational issues RU • A0601 Railway undertaking - Operational issues RU - Delay of previous train / ferry • A0602 Railway undertaking - Operational issues RU - First / last mile delay • A0603 Railway undertaking - Operational issues RU - Circulation delay • A0604 Railway undertaking - Operational issues RU - Agreed end of loading prolongation • A0605 Railway undertaking - Operational issues RU - Not respected HLR time • A07 - Administrative issues RU • A0701 Railway undertaking - Adminstrative issues RU - Missing or wrong documentation • A0702 Railway undertaking - Adminstrative issues RU - Planning error • A0703 Railway undertaking - Adminstrative issues RU - Shipping mistake by RU • A08 - Shunting issues • A0801 Railway undertaking - Shunting issues - Shunting error • A0802 Railway undertaking - Shunting issues - Shunting towards shunting yard delayed • A0803 Railway undertaking - Shunting issues - Missing shunting staff • A0804 Railway undertaking - Shunting issues - Missing pushing loco

Element	Format (M = mandatory) (status = specific or all)	Description
		• A09 - Missing or wrong documents after HLR time • A0901 Terminal related - Missing or wrong documents after HLR time - DG docs • A0902 Terminal related - Missing or wrong documents after HLR time - Customs docs • A0903 Terminal related - Missing or wrong documents after HLR time - Waybill • A0904 Terminal related - Missing or wrong documents after HLR time - Waste docs • A10 - Non-technical unit issues • A1001 Terminal related - Non-technical unit issues - Missing, damageed or wrong DG labels • A1002 Terminal related - Non-technical unit issues - Missing or wrong seals • A1003 Terminal related - Non-technical unit issues - Contanier not available • A1004 Terminal related - Non-technical unit issues - Contanier not released • A1005 Terminal related - Non-technical unit issues - Contanier unknown • A1006 Terminal related - Non-technical unit issues - Contanier already in use • A1007 Terminal related - Non-technical unit issues - Contanier unknown for the shipping line • A1008 Terminal related - Non-technical unit issues - Booking already used • A1009 Terminal related - Non-technical unit issues - Booking unknown for the shipping line • A1010 Terminal related - Non-technical unit issues - Blocked by customs • A1011 Terminal related - Non-technical unit issues - Blocked by shipping line

Element	Format (M = mandatory) (status = specific or all)	Description
		• A1012 Terminal related - Non-technical unit issues - Displaced loading unit • A1013 Terminal related - Non-technical unit issues - Size type not approved • A1014 Terminal related - Non-technical unit issues - Unit blocked by terminal • A1015 Terminal related - Non-technical unit issues - Unit blocked by CTO • A1016 Terminal related - Non-technical unit issues - Unit loaded on wrong train • A1017 Terminal related - Non-technical unit issues - National bank holiday • A11 - Technical unit issues • A1101 Terminal related - Technical unit issues - Damage loading unit • A1102 Terminal related - Technical unit issues - Unit rejected by inspection service • A1103 Terminal related - Technical unit issues - Overload loading unit • A1104 Terminal related - Technical unit issues - RID problem discovered by inspection service • A1105 Terminal related - Technical unit issues - Leakage of loading unit RID goods • A1106 Terminal related - Technical unit issues - Leakage of loading unit non-RID goods • A12 - Technical wagon issues • A1201 Terminal related - Technical wagon issues - Other damaged loading unit on wagon • A1202 Terminal related - Technical wagon issues - Technical wagon damage • A1203 Terminal related - Technical wagon issues - Other defect wagon in train • A1204 Terminal related - Technical wagon issues - Wagon rejected by inspection service

Element	Format (M = mandatory) (status = specific or all)	Description
		• A1205 Terminal related - Technical wagon issues - Overload wagon • A13 - Technical terminal problems • A1301 Terminal related - Technical terminals problems - Technical terminals problems • A1302 Terminal related - Technical terminals problems - Crane / reach stacker • A1303 Terminal related - Technical terminals problems - Track • A1304 Terminal related - Technical terminals problems - Leaking unit on the terminal ground • A14 - Non-technical train related issues • A1401 Terminal related - Non-technical train related issues - Previous train / ferry delayed • A1402 Terminal related - Non-technical train related issues - Lost time slot • A1403 Terminal related - Non-technical train related issues - Terminal capacity constraints • A1404 Terminal related - Non-technical train related issues - Shipping mistake by terminal • A1405 Terminal related - Non-technical train related issues - Shunting delayed • A1406 Terminal related - Non-technical train related issues - Agreed end of loading prolongation • A1407 Terminal related - Non-technical train related issues - Not respected HLR time • A1408 Terminal related - Non-technical train related issues - Wrong train cancellation • A15 - Technical train related issues • A1501 Terminal related - Technical train related issues - Train parameters not respected • A16 - CTO issues • A1601 Intermodal operator related - CTO issues - CTO request replanning

Element	Format (M = mandatory) (status = specific or all)	Description
		• A1602 Intermodal operator related - CTO issues - Shipping mistake by intermodal operator • A1603 Intermodal operator related - CTO issues - Missing / wrong information provided to partner • A1604 Intermodal operator related - CTO issues - Wrong train cancellation • A1605 Intermodal operator related - CTO issues - Customs issues • A1606 Intermodal operator related - CTO issues - Missed train connection • A1607 Intermodal operator related - CTO issues - Delayed ferry arrival • C01 - Cancellation • C0101 Cancellation - Cancellation - Railway accident • C0102 Cancellation - Cancellation - Railway incident with human impact • C0103 Cancellation - Cancellation - Strike • C0104 Cancellation - Cancellation - Weather conditions • C0105 Cancellation - Cancellation - Illegal immigrants • C0106 Cancellation - Cancellation - Delay of corresponding train • C0107 Cancellation - Cancellation - Lack of resources • C0108 Cancellation - Cancellation - Line interruption • C0109 Cancellation - Cancellation - Lack of traffic / volume • C0110 Cancellation - Cancellation - Planned cancellation due to infraworks • C0111 Cancellation - Cancellation - Bank holiday • C0112 Cancellation - Cancellation - Planning error
DelayCause	(0..1) String(2)	Delay Code TAF-TSI
ReasonDescription	(0..1) String	Reason description

15.43 Delay type

To specifiy the delay type

Element	Format (M = mandatory) (status = specific or all)	Description
DelayReason (see page 97)	(0..1)	See Reason type
DelayCodingDateTime	(0..1) Datetime	Time when the dalay message was saved
DelayCauseStatus	(0..1) String	Possible values: • active • agreed • deleted

15.44 Interruption type

To specifiy the interruption type

Element	Format (M = mandatory) (status = specific or all)	Description
InterruptionReason (see page 97)	(0..1)	See Reason type
InterruptionCodingDateTime	(0..1) Datetime	Time when the interruption message was saved
InterruptionStatus	(0..1) String	Possible values: • blocked • interrupted • running with problems • closed

15.45 TAFTSITimingAtLocation type

This segment contains information about TAFTSITimingAtLocation. It corresponds to the TAF/TSI element `TimingAtLocation`.

Element	Format (M = mandatory) (status = specific or all)	Description
Time	(M, 1 time) ISO Date	
Offset	(M, 1 time) Numeric	In days. Range -99 to 99
EventDateTime	(M, 1 time) ISO Datetime	
BookedLocationDateTime	(0..1 time) ISO Datetime	
DwellTime	(0..1 time) Numeric	The minimum duration of dwell time expressed in minutes
TimingQualifierCode	(M, 1 time) String	Possible 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

15.46 TAFTSILocationSubsidiaryIdentification type

This segment contains information about TAFTSILocationSubsidiaryIdentification. It corresponds to the TAF/TSI element `LocationSubsidiaryIdentification`.

Element	Format (M = mandatory) (status = specific or all)	Description
LocationSubsidiaryCode	(M, 1 time) String(10)	TAF TSI Location Subsidiary Code. 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
AllocationCompany	(M, 1 time) Numeric	Identifies the RU, IM or other company involved in the Rail TransportChain. Range 0000 to 9999
LocationSubsidiaryName	(0..1 time) String(255)	TAF TSI Location Primary Name

15.47 TAFTSIPlannedCalendarType

This segment contains information about TAFTSIPlannedCalendarType. It corresponds to the TAF/TSI element `PlannedCalendar`.

Element	Format (M = mandatory) (status = specific or all)	Description
BitmapDays	(0, 1 time) String(1…749)	A string of up to 740 characters, each character representing a consecutive calendar day. The characters can either be “0” (no departure on this day) or “1” (departure planned on this day.
ValidityPeriod	(M, 1 time)	Contains two elements of type xs:dateTime: StartDateTime and EndDateTime

15.48 TAFTSILocationIdent type

This segment contains information about TAFTSILocationIdent. It corresponds to the TAF/TSI element `LocationIdent`.

Element	Format (M = mandatory) (status = specific or all)	Description
CountryCodeISO	(M, 1 time) String(2)	
LocationPrimaryCode	(M, 1 time) Integer(1…99999)	
PrimaryLocationName	(0..1) String(255)	
LocationSubsidiaryIdentification	(0..1)	See TAFTSILocationSubsidiaryIdentification type (see page 106)

15.49 TAFTSICompositIdentifierOperationalType

This segment contains information about TAFTSICompositIdentifierPlannedType. It corresponds to the TAF/TSI element `CompositIdentifierOperationalType`.

Element	Format (M = mandatory) (status = specific or all)	Description
ObjectType	(M, 1 time) String(2)	Can be (TR, PA, CR, PR), but not restricted to these values.
Company	(M, 1 time) Integer(4)	RICS Code
Core	(M..1) String(12)	
Variant	(M..1) String(2)	
TimetableYear	(M..1) Integer(4)	Can be a number from 2012 to 2097
StartDate	(M..1) xs:date	

15.50 TAFTSICompositIdentifierPlannedType

This segment contains information about TAFTSICompositIdentifierPlannedType. It corresponds to the TAF/TSI element `CompositIdentifierPlannedType`.

Element	Format (M = mandatory) (status = specific or all)	Description
ObjectType	(M, 1 time) String(2)	Can be (TR, PA, CR, PR)
Company	(M, 1 time) Integer(4)	
Core	(M..1) String(12)	
Variant	(M..1) String(2)	
TimetableYear	(M..1) Integer(4)	Can be a number from 2012 to 2097
StartDate	(0..1) xs:date	

15.51 TAFTSITrainActivityType

This segment contains information about TAFTSITrainActivityType. It corresponds to the TAF/TSI type `TrainActivityType`.

Element	Format (M = mandatory) (status = specific or all)	Description
TrainActivityType	(M..1) String(4)	
AssociatedAttachedTrainID	(0..1) Integer(1…99999)	see TAFTSICompositIdentifierPlanned type (see page 110)
AssociatedAttachedOTN	(0..1) String(8)	

15.52 TAFTSITractionDetails

This segment contains information about TAFTSITractionDetails. It corresponds to the TAF/TSI element `TractionDetails`.

The fields TrainCC_System and TrainRadioSystem are not relevant for EDIGES and do not need to be set.

Element	Format (M = mandatory) (status = specific or all)	Description
LocoTypeNumber	(M..1)	Composite identifier for the loco types and locomotives.
TractionMode	(M..1) Integer(2)	see TAFTSICompositIdentifierPlanned Type (see page 110)
TrainCC_System	(0..1) xs:token	
TrainRadioSystem	(0..1) xs:token	The on board radio system of the train in coded format
TractionWeight	(0..1) Integer(5)	
Length	(0..1)	Length in milimetres - Used for TAP

15.53 TAFTSITrainInformation

Train information provided by the RUs as an overview for the entire train journey from origin to destination. This element corresponds to the TAF/TSI element `TrainInformation`.

Element	Format (M = mandatory) (status = specific or all)	Description
PlannedJourneyLocation	(2..n)	See TAFTSIPlannedJourneyLocation (see page 114)
PlannedCalendar	(M..1) Integer(2)	See TAFTSIPlannedCalendarType (see page 107)
PathPlanningReferenceLocation	(M..1)	See TAFTSILocationIdent type (see page 108)

15.54 TAFTSIPlannedJourneyLocation

Any operation point along the train journey. This element corresponds to the TAF/TSI element `PlannedJourneyLocation` and is an extension of the element TAFTSILocationIdent type (see page 108).

Element	Format (M = mandatory) (status = specific or all)	Description
TimingAtLocation	(0..1)	See TAFTSITimingAtLocation type (see page 105).
FreeTextField	(0..n) String(255)	
ResponsibleApplicant	(0..1)Integer(4)	
ResponsibleRU	(0..1)Integer(4)	
ResponsibleIM	(0..1)Integer(4)	
PlannedTrainData	(0..1)	See TAFTSIPlannedTrainData (see page 115).
StatusOfHarmonization	(0..1)	Does not force harmonization, it just sets a n indication message: has the interchange/ handover been harmonized or not.
TrainActivity	(0..n)	See TAFTSITrainActivityType (see page 111).
OnDemandPath	(0..1) Boolean	
PreArrangedPath	(0..1) String(9)	Path offered by the IMs with pre-defined frequencies, times of departures an d destinations and routings suitable for frei ght transport services.
OperationalTrainNumber	(0..1) String(8)	
NetworkSpecificParameter	(0..n)	A list of name-value pairs of type String(255)
JourneyLocationTypeCode	xs:token	attribute, can be one of (01, 02, 03, 04, 05, 06, 07, 08, 99)

15.55 TAFTSIPlannedTrainData

Train relevant data for a planning period. This element corresponds to the TAF/TSI element `PlannedTrainData`.

Element	Format (M = mandatory) (status = specific or all)	Description
TrainType	(0..1) Integer	
TrafficType	(0..1) String(2)	Information about the type of traffic (combined, rolling highway, etc). It is added here as a placeholder for coded values (e.g. from Merits)
TypeofService	(0..1)	See TAFTSITypeOfService (see page 116).
CommercialTrafficType	(0..1) Integer	Commercial Brand Name of a train service based on Service Brand Coding List of TAP
PlannedTrainTechnicalData	(M..1)	See TAFTSIPlannedTrainTechnicalData (see page 117).
ExceptionalGaugingIdent	(0..n)	Indicates that an exceptional Gauging is in the train or for the wagon
DangerousGoodsIndication	(0..n)	See TAFTSIDanGoodsType (see page 118).
CombinedTrafficLoadProfile	(0..1)	This element refers to combined load units that can be used for Freight Requests only.

15.56 TAFTSITypeOfService

Information about the services available on a train. Used for publication towards the passenger. This element corresponds to the TAF/TSI element `TypeOfService`.

Element	Format (M = mandatory) (status = specific or all)	Description
SpecialServiceDescriptionCode	(0..n) Integer	Service on a Train according to TAP Code List B.4.716
FacilityTypeDescriptionCode	(0..n) Integer	Facilities on a Train according to TAP Code List B.4.9039
CharacteristicDescriptionCode	(0..n) Integer	Characteristics on a Train according to TAP Code List B.4.7137

15.57 TAFTSIPlannedTrainTechnicalData

Shows the relevant technical data for a running train. This element corresponds to the TAF/TSI element `PlannedTrainTechnicalData`.

Element	Format (M = mandatory) (status = specific or all)	Description
TrainWeight	(M..1) Integer(5)	
TrainLength	(M..1) Integer(4)	
WeightOfSetOfCarriages	(0..n) Integer(5)	
LengthOfSetOfCarriages	(0..n) Integer(4)	
TractionDetails	(1..n)	See TAFTSITractionDetails (see page 112)
TrainMaxSpeed	(M..1) Integer(3)	
HighestPlannedSpeed	(0..1) Integer(3)	
MaxAxleWeight	(0..1) Decimal(2.1)	
RouteClass	(0..1) String	Indication of the route class based on CEN EN 15528
BrakeType	(0..1) xs:token	Type of braking system
EmergencyBrakeOverride	(0..1) Boolean	
BrakingRatio	(0..1) Integer(3)	Minimum percentage of braking. Expressed as an integer value (no percent sign should be added).
MinBrakedWeightPercent	(0..1) Integer(3)	Minimum percentage of braking claimed by IM for safety reasons.
BrakeWeight	(0..1) Integer(5)	Shows the Braked mass of the wagon according to the type of the braking system, in Tonnes

15.58 TAFTSIDanGoodsType

This element indicates the type of a dangerous load. This element corresponds to the TAF/TSI element `DanGoodsType`.

Element	Format (M = mandatory) (status = specific or all)	Description
HazardIdentificationNumber	(0..1) String(4)	
UN_Number	(0..1) String(4)	The UNNumber of the dangerous good according to the RID chapter 3.2, table A, column 1.
DangerLabel	(0..5) Integer(5) xs:token	All Danger Label of this dangerous good according to the RID chapter 3.2, table A, column 5,
RID_Class	(0..n) String(4)	The Class of the dangerous good according to the RID chapter 3.2, table A, column 3a.
PackingGroup	(0..1) xs:token	The Packing Group according to the RID chapter 3.2, table A, column 4.
DangerousGoodsWeight	(0..1) Integer(6)	The weight of the dangerous goods in Kilograms
DangerousGoodsVolume	(0..1) Float	The volume of the dangerous goods in cubic meters
LimitedQuantityIndicator	(0..1) Boolean	Indicator for labelled dangerous goods in limited quantity according to chapter 3.-4 RID

15.59 TAFTSIMessageHeaderType

This element indicates the TAFTSI Header. This element corresponds to the TAF/TSI element `Header`.

Element	Format (M = mandatory) (status = specific or all)	Description
MessageReference	(M,1)	See TAFTSIMessageReferenceType (see page 120)
MessageRoutingID	(0..1) Integer(2)	Additional information used to route the message to the correct receiving application (if needed). Value from 01 to 99
SenderReference	(0..1) String(255)	
Sender	(M,1) Integer	Identifies the Sender RU, IM or other company involved in the Rail TransportChain Value from 0001 to 9999
CI_InstanceNumber	Attribute, Integer	Number of a Common Interface instance for the same company. Value from 01 to 99
MessageDateTimeCreated	(0..1) Datetime	Date and time when the message was created by the legacy system
Recipient	(M,1) Integer	Identifies the Recipient RU, IM or other company involved in the Rail TransportChain Value from 0001 to 9999
CI_InstanceNumber	Attribute, Integer	Number of a Common Interface instance for the same company. Value from 01 to 99

15.60 TAFTSIMessageReferenceType

Generated by the TAFTSI common InterfaceThis element indicates identifies the message. This element corresponds to the TAF/TSI element `MessageReferenceType`.

Element	Format (M = mandatory) (status = specific or all)	Description
MessageType	(M,1) String(4)	To indicate the message type transmitted or referred to.
MessageTypeVersion	(M,1) String(25)	Version of the Message Type
MessageIdentifier	(M,1) String(255)	
MessageDateTime	(M,1) Datetime	Generated by the TAFTSI common Interface