



GS1 EANCOM Transport Instruction Implementation Guide

Issue 1, Approved 2013 May 23



Document Summary

Document Item	Current Value
Document Title	GS1 EANCOM Transport Instruction Implementation Guide
Date Last Modified	23-May-2013
Document Issue	Issue 1
Document Status	Approved
Document Description	

Log of Changes

Issue No.	Date of Change	Changed By	Summary of Change
issue 1	23 May 2013	Coen Janssen	First publication

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Table of Contents

Introduction	3
References	3
1. Executive Summary	4
2. Comparison of principles	5
2.1. Introduction.....	5
2.2. Discussion of Principles	5
3. Mapping of key data elements on header level	8
3.1. Transport Instruction	10
3.2. Transport Instruction Consignment.....	11
3.3. Transport Instruction Shipment.....	13
3.4. Transactional Party (Transport Instruction, Consignment, Shipment).....	14
3.5. Transport Instruction Terms (Shipment / Consignment).....	17
3.6. Transport Cargo Characteristics (Shipment / Consignment)	18
3.7. Delivery Terms (Shipment / Consignment)	20
3.8. Transport Movement / Transport Means (Consignment).....	21
3.9. Transport Equipment (Consignment)	23
4. Mapping of key data elements on detail level.....	24
4.1. Consignment Item	26
4.2. Shipment Item	27
4.3. Transport Cargo Characteristics + Package Total (Shipment Item / Consignment Item).....	28
4.4. Logistic Unit (Shipment Item / Consignment Item)	30
4.5. Transactional Trade Item (Shipment Item)	32
4.6. Handling Instruction (Shipment Item / Consignment Item)	33
4.7. Dangerous Goods Information (Shipment Item / Consignment Item).....	34
5. Examples.....	36
5.1. Transport Instruction – Domestic, 1 consignment, 1 truck, with logistic units	36
5.2. Transport Instruction – Domestic, 1 shipment, 1 truck, with logistic units	39
6. About this Guide.....	42
Appendix A: EANCOM® segment descriptions.....	43

Introduction

GS1 offers two global standards in support of the Transport Instruction process as defined in the Logistics Interoperability Model (LIM): 1. EANCOM® IFTMIN (2. BMS Transport Instruction (XML syntax). This implementation guide provides general information on the contents of the EANCOM® IFTMIN message in comparison with the GS1 BMS Transport Instruction, as well as detailed information to support translations between these two standards.

The guide is a living document and will regularly be updated.

A separate guide for the Transport Instruction in the XML message is also available.

References

Document	Author / Year
BMS Transport Instruction & Response version 3.0	GS1 2011
BMS Shared Common Library 3.0	GS1 2011
BMS eCom Common Library 3.0	GS1 2012
Logistics Interoperability Model version 1.0	GS1 2007
GS1 EANCOM® 2002 - Edition 2010	GS1 2010
GS1 Transport Instruction and Response Implementation Guide	GS1 2012

1. Executive Summary

The aim of the Logistics Interoperability Model (LIM) is to establish business interoperability for Transport and Warehousing. The LIM describes the high level business processes and a comprehensive set of transactions that occur in these processes. All these transactions can be electronically exchanged by GS1 eCom messages.

GS1 offers two global standards in support of the Transport Instruction process: 1. EANCOM® IFTMIN 2. BMS Transport Instruction (XML syntax). Both messages are based on underlying standards as provided by UN/CEFACT. EANCOM® IFTMIN is based on the corresponding UN/EDIFACT message. BMS Transport Instruction has been based on the UN Core Component Library.

While the GS1 XML 3.0 Transport Instruction has been developed from scratch using the requirements of the LIM, and therefore has a 100% fit to the requirements, the EANCOM message is an already pre-existing message from the EANCOM2002 set.

This document provides a detailed comparison between the EANCOM® IFTMIN and BMS Transport Instruction. This in order to support the Transport Instruction process as described in the LIM.

The specific message versions that have been used for the comparison are:

- GS1 EANCOM IFTMIN 2002
- GS1 XML Transport Instruction 3.0

The main findings of the comparison are:

- Basic concepts and terminology are the same in both standards. Also the applied code lists are largely the same.
- Both standards support GS1 keys GLN, SSCC, GINC and GTIN. BMS Transport Instruction also supports GSIN, GRAI and GIAI.
- Both standards support transport scenarios involving one or more movements conducted by one or more carriers.
- BMS Transport Instruction is capable of creating hierarchies of shipments and consignments.
- BMS Transport Instruction party roles support a wider range of multi-party scenarios.
- BMS Transport Instruction contains specific features in support of ferry transport, such as boarded transport means and boarded personnel.

These findings lead to the following general recommendation:

BMS Transport Instruction is the more scalable standard, supporting simple as well as complex scenarios, providing features in support of multi-modal transport and consolidation / de-consolidation. Therefore companies are advised to use BMS Transport Instruction for new (green-field) implementations. The EANCOM® IFTMIN standard still may be the best option for companies that are already have implemented this message, and do not need any of the more advanced features.

2. Comparison of principles

2.1. Introduction

This chapter contains the original text from the IFTMIN Introduction in the EANCOM Manual. Comments have been included where needed to clarify the commonalities and differences with the GS1 Transport Instruction and Response (TI) BMS.

Please refer to the GS1 Transport Instruction and Response Implementation Guide for more information on the principles and concepts as applied in the GS1 Transport Instruction.

2.2. Discussion of Principles

1. *Definition of IFTMIN: A message from the party issuing an instruction regarding forwarding/transport services for a consignment under conditions agreed, to the party arranging the forwarding and/or transport services.*
 2. *This message should not be used to instruct the despatch of products. The 'Instruction To Despatch (INSDES)' message should be used for this purpose.*
 3. *The instruction results in a transport contract for one consignment and is primarily meant for administrative purposes. It will be the message from shipper to carrier or forwarder containing the final details of the consignment for which services are provided. The instruction message is the one and only message which results in the actual contract which can either be a document or an electronic contract.*
-



Important: Unlike the Transport Instruction BMS the IFTMIN does not support multiple shipments / consignments in one single message, nor combinations of the both.

4. *If only one message will suffice in an exchange between a shipper and a carrier/forwarder to convey the information related to one consignment then the instruction message should be the one as this message is the only message for a single consignment message that results in a contract.*
 5. *In addition to the main principles detailed above, a number of general principles also apply;*
 6. *A consignment may contain several goods items.*
 7. *A consignment is identified by a consignors reference number (code CU) in the RFF segment.*
 8. *Goods items may or may not be containerised.*
 9. *Goods items may be transported in one or more containers, and a single container may contain one or more goods items.*
 10. *One goods item may be related to one or more customs tariff codes.*
 11. *Goods items related to one customs tariff code may be carried in one or more containers.*
-

12. *Goods items may reflect either the contractual or operational description of the goods.*

13. *The instruction always relates to one consignee but may be for several different delivery locations.*

! **Important:** In the Transport Instruction BMS a consignment / shipment is always for one location. However, multiple consignments / shipments can be included in a single message, and they can be linked via references and parent child relations.

14. *One transport instruction message should always equal one consignment.*

15. *Pre-carriage (advanced haulage) and/or on-carriage (destination haulage) of goods items or equipment within one booking or instruction may take place in different steps, each step specified with its own transport details group.*

✓ **Note:** Is handled in the TI BMS with the Transport Movement element

16. *Transport devices, which have the ability of powered movement on their own, are specified in the transport details group. Other load or transport devices are specified as equipment.*

✓ **Note:** Is handled in the TI BMS with the Transport Means element

17. *Packaging for goods items can be expressed at up to five levels.*

18. *A goods item consists of one or more despatch units that adhere to the same package type and goods description.*

19. *A despatch unit is the unit of cargo that will be handled and to which an SSCC can be affixed.*

✓ **Note:** Is handled in the TI BMS with the Logistic Unit element

20. *A number of generic transport terms are used in this specification, to be described as:*

21. *CONSIGNEE: the organisation (party) which has the intention to receive the goods.*

22. *CONSIGNOR: the party ordering transport, orders a carrier to collect goods for transportation.*

! **Important:** In the TI BMS there are more roles to better cover the service ordering aspects: Logistic Services Buyer is the party ordering the transport services. Consignor is the party where the goods are collected. This enables for example collect scenarios where the Consignee may be the Logistic Services Buyer.

23. *CONSIGNMENT: a collection of goods items to be transported from one or many despatch locations to one or many delivery locations. (synonym: shipment).*

! **Important:** In the TI BMS and also in the GS1 General Specifications the terms Consignment and Shipment are not treated as synonyms. A consignment is a consolidation of multiple shipments.

24. *CARRIER the party contracted by the consignor or forwarder to transport goods.*

! **Important:** In the TI BMS there are more roles to better cover the service ordering aspects: Logistic Services Seller is the party that is contracted to transport the goods. Carrier is the party that carries out the Transport. This supports for example situations where the Carrier is a subcontractor.

25. *DESPATCH LOCATION the physical location from which goods for transport are shipped.*

✓ Note: Is called Ship From in the TI BMS.

26. *DELIVERY LOCATION the physical location to which goods for transport are finally delivered.*

✓ Note: Is called Ship To in the TI BMS.

27. *EQUIPMENT material resources necessary to facilitate the transport and handling of cargo. Transport equipment does under the given circumstances not have the ability to move by its own propulsion (e.g. sea container, trailer, unit load device, pallet).*

28. *FORWARDER the party contracted by the consignor to arrange to have the goods transported.*

✓ Note: Is handled with Logistic Services Seller in the TI BMS.

29. *GOODS ITEM a collection of products normally grouped together for transport purposes, e.g. 12 pallets of foodstuffs.*

✓ Note: Is called Consignment Item in the TI BMS

30. *LINE ITEM a specific product identified and defined for trade purposes, e.g. a case of flour containing 24 packets of 250 grams.*

✓ Note: Is called Shipment Item in the TI BMS

31. *MODE OF TRANSPORT the method of transport used for the conveyance of goods or persons, e.g. by rail, by road, by sea.*

32. *MEANS OF TRANSPORT the vehicle used for the transport of goods or persons, e.g. aircraft, truck, vessel.*

33. *PLACE OF ACCEPTANCE the place at which the responsibility of the carrier starts.*

34. *PLACE OF DELIVERY* the place at which the responsibility of the carrier ends.
 35. *TYPE OF MEANS OF TRANSPORT* the type of vehicle used in the transport process, e.g. wide body, tank truck, passenger vessel.
 36. *TYPE OF EQUIPMENT* the type of material used, e.g. 40 feet container, four way pallet, mafi trailer.
-

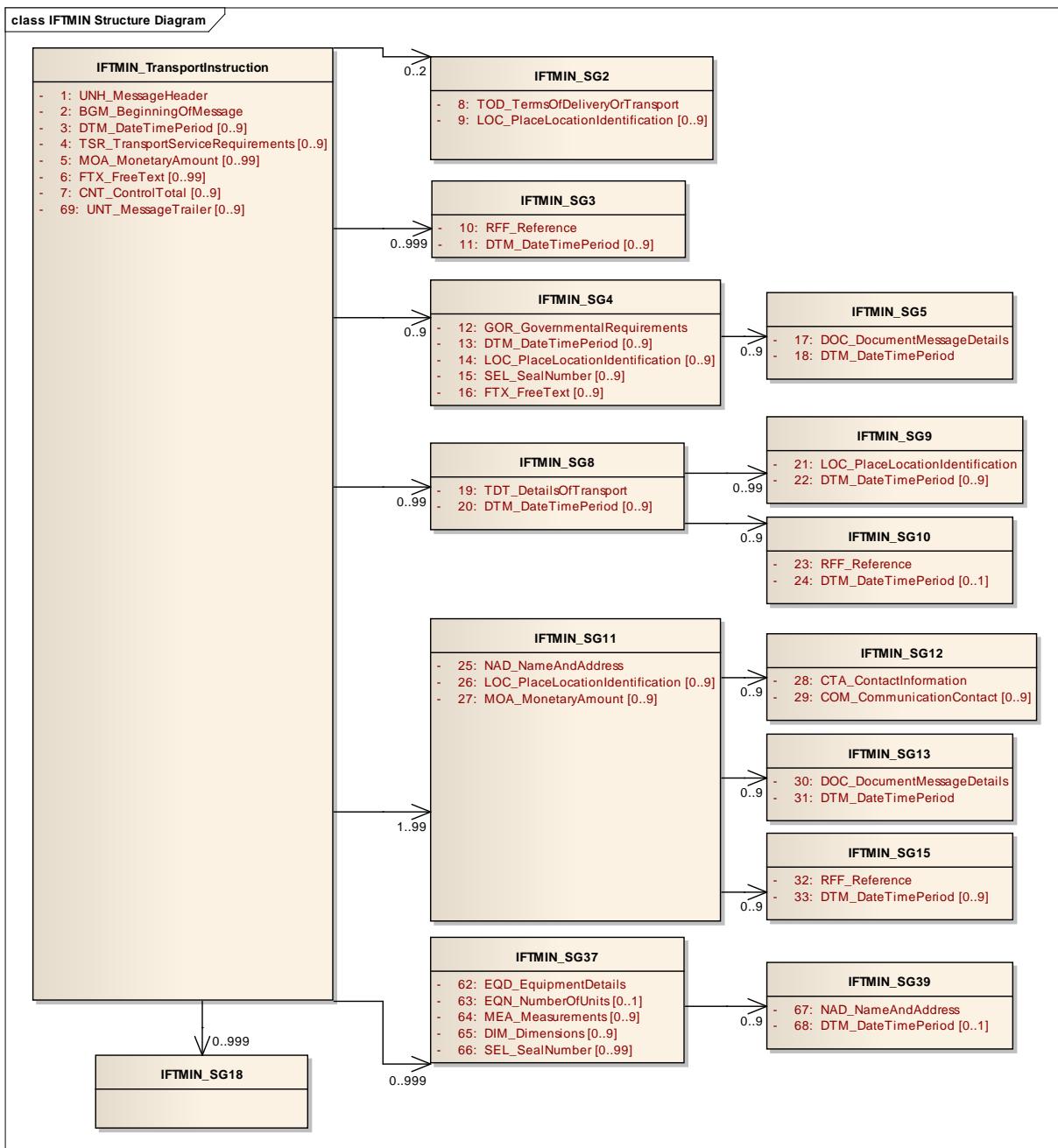
- In the TI BMS a distinction is made between Returnable Packaging and Transport Equipment.

3. Mapping of key data elements on header level

In this chapter the Transport Instruction header level is discussed. Elements on header level include the document details and the consignment, transport movement and shipment classes.

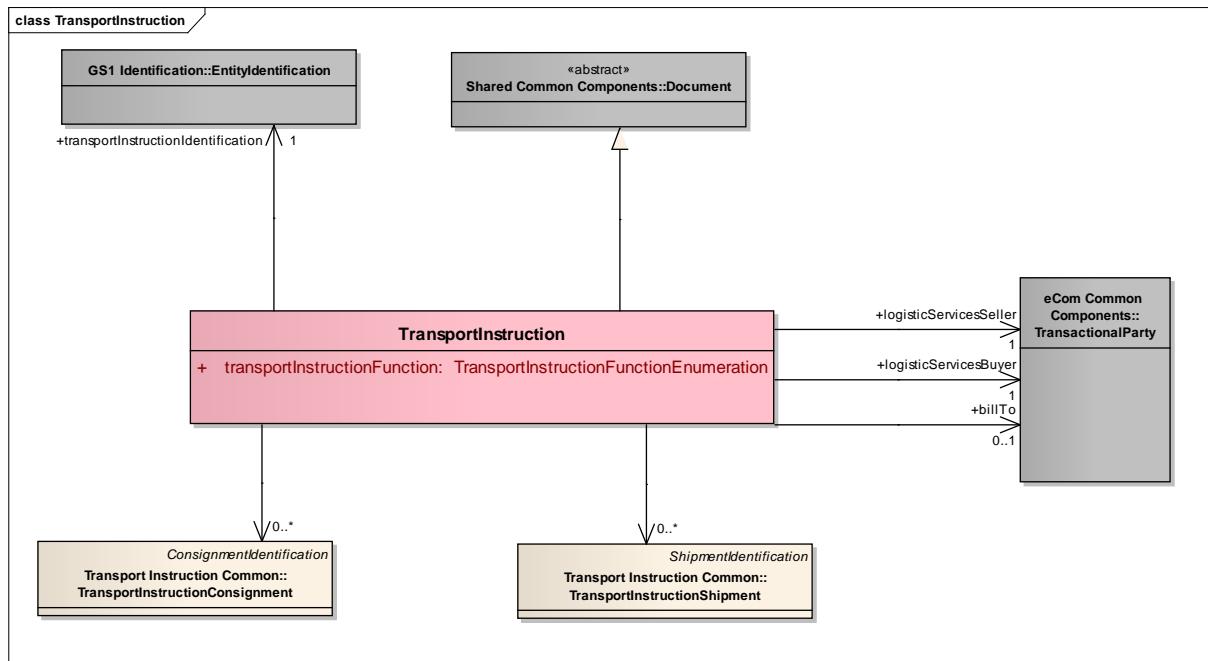
For each group of related data elements in the BMS Transport Instruction (GS1 XML) first the related IFTMIN segments are shown using diagrams. Underneath the diagrams a table with precise mappings for each of the data elements is provided.

IFTMIN Header Level Segments

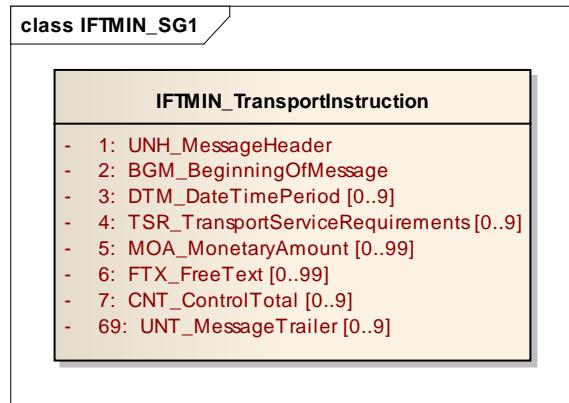


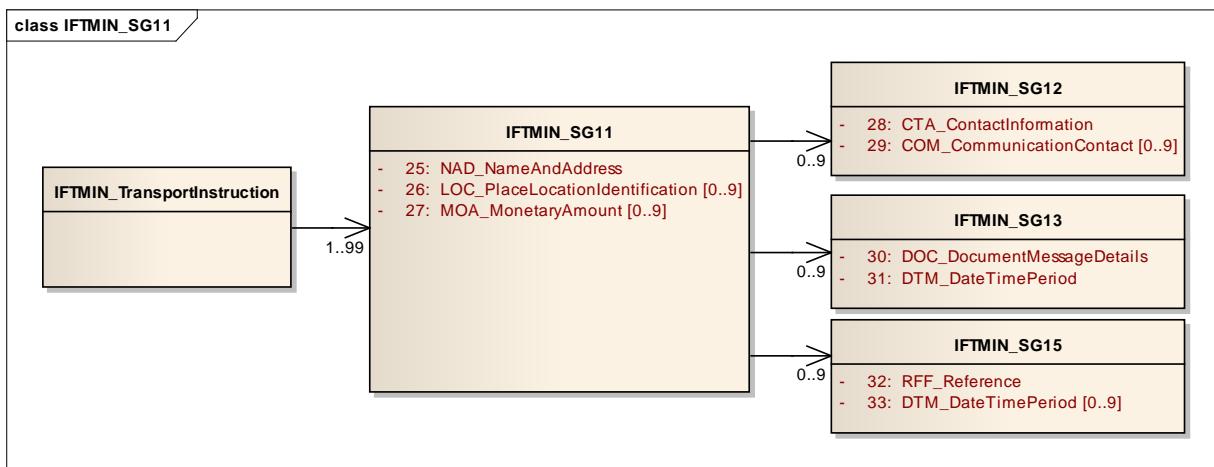
3.1. Transport Instruction

BMS Transport Instruction



EANCOM® IFTMIN





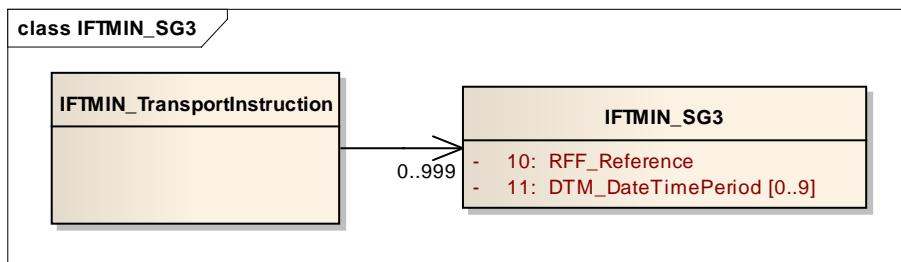
COMPARISON

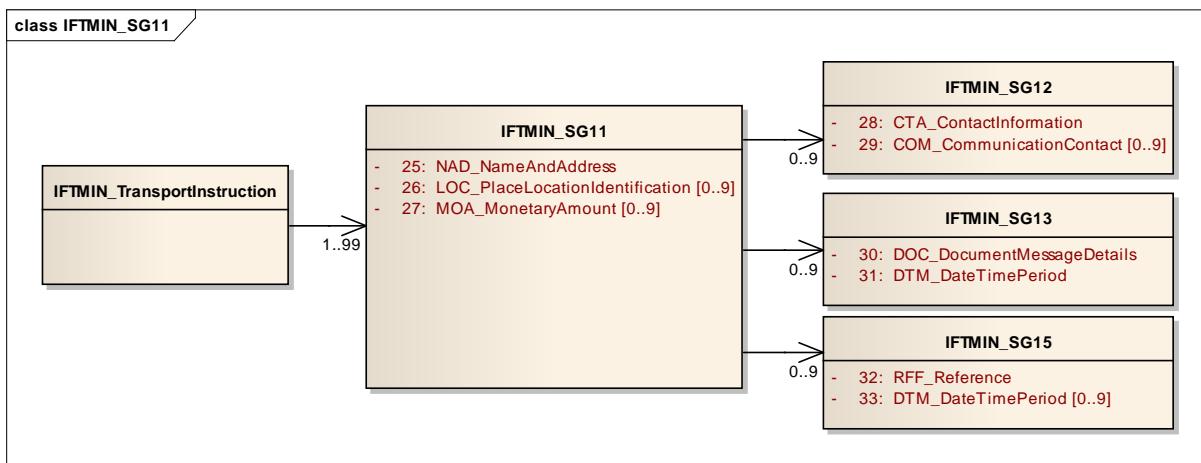
Generally corresponds with segments (1)UNH, (2)BGM, (3)DTM., (25)SG11.NAD:

Transport Instruction	IFTMIN
/Document.creationDateTime	DTM(3), DE2005=137 (Document/message date time)
logisticServicesBuyer/TransactionalParty	SG11.NAD(25), 3035 no exact match
logisticServicesSeller/TransactionalParty	SG11.NAD(25), 3035 no exact match
transportInstructionIdentification/EntityIdentification	BGM(2).C106.1004

3.2. Transport Instruction Consignment

EANCOM® IFTMIN





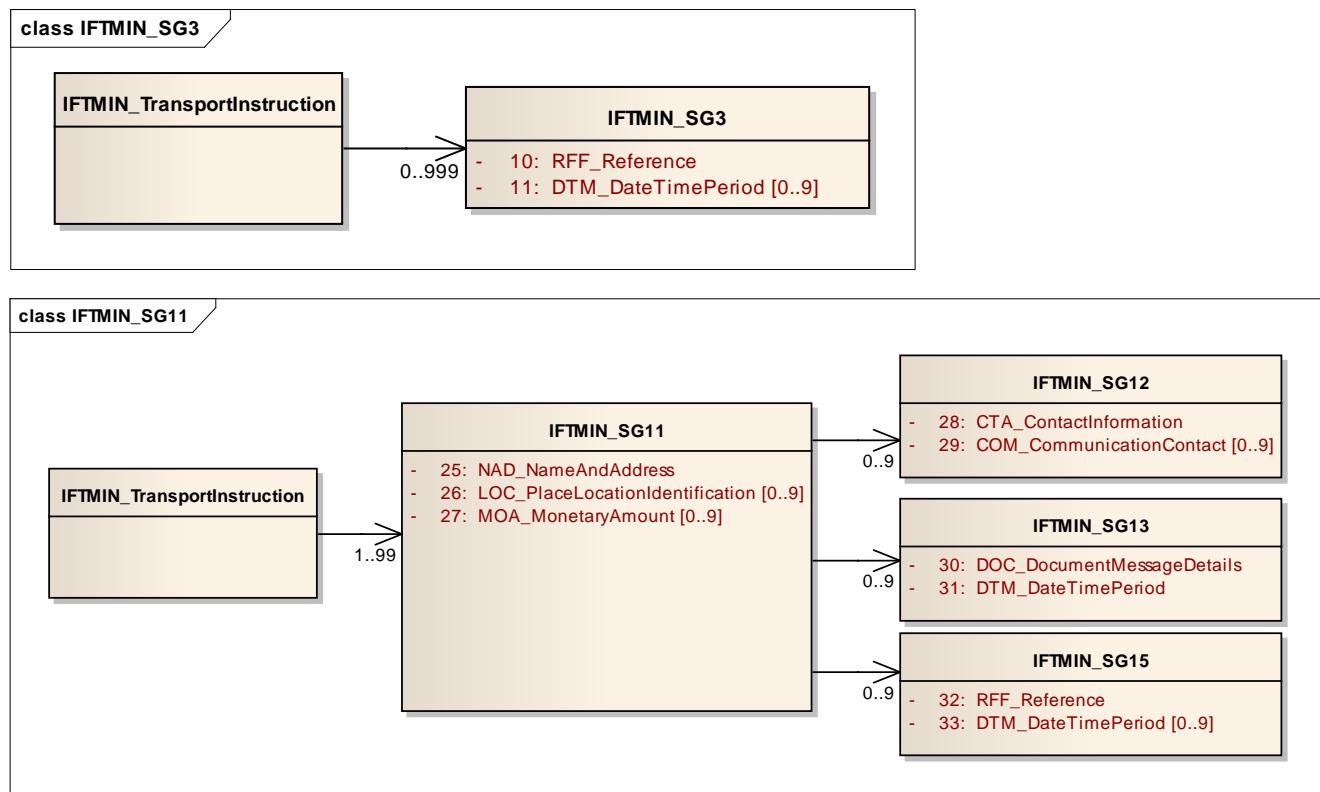
COMPARISON

Generally corresponds with SG3 and SG11:

Transport Instruction	IFTMIN
/ConsignmentIdentification.ginc	SG3_RFF(10), 1153=CU? no exact match for GINC
parentConsignment/ConsignmentIdentification.ginc	SG3_RFF(10), 1153=? no qualifier for parent
containedShipmentReference/ShipmentIdentification	SG3_RFF(10), 1153=SN
consignor/TransactionalParty	SG11_NAD(25), 3035=CZ
consignee/TransactionalParty	SG11_NAD(25), 3035=CN
notifyParty/TransactionalParty	SG11_NAD(25), 3035=NI
pickUpParty/TransactionalParty	SG11_NAD(25), 3035=PW (Despatch Party)
dropOffParty/TransactionalParty	SG11_NAD(25), 3035=DP (Delivery Party)
exportAgent/TransactionalParty	no exact match
importAgent/TransactionalParty	no exact match
plannedDropOff/LogisticEvent	DTM(3), DE2005=2, 63 , 64
plannedPickUp/LogisticEvent	DTM(3), DE2005=200,234,235
/PackageTotal	not supported on Consignment header level
/HandlingInstruction	not supported on Consignment header level
/DangerousGoodsInformation	not supported on Consignment header level
includedTransportMeans/TransportMeans	not supported
/PassengerInformation	not supported

3.3. Transport Instruction Shipment

EANCOM® IFTMIN



COMPARISON

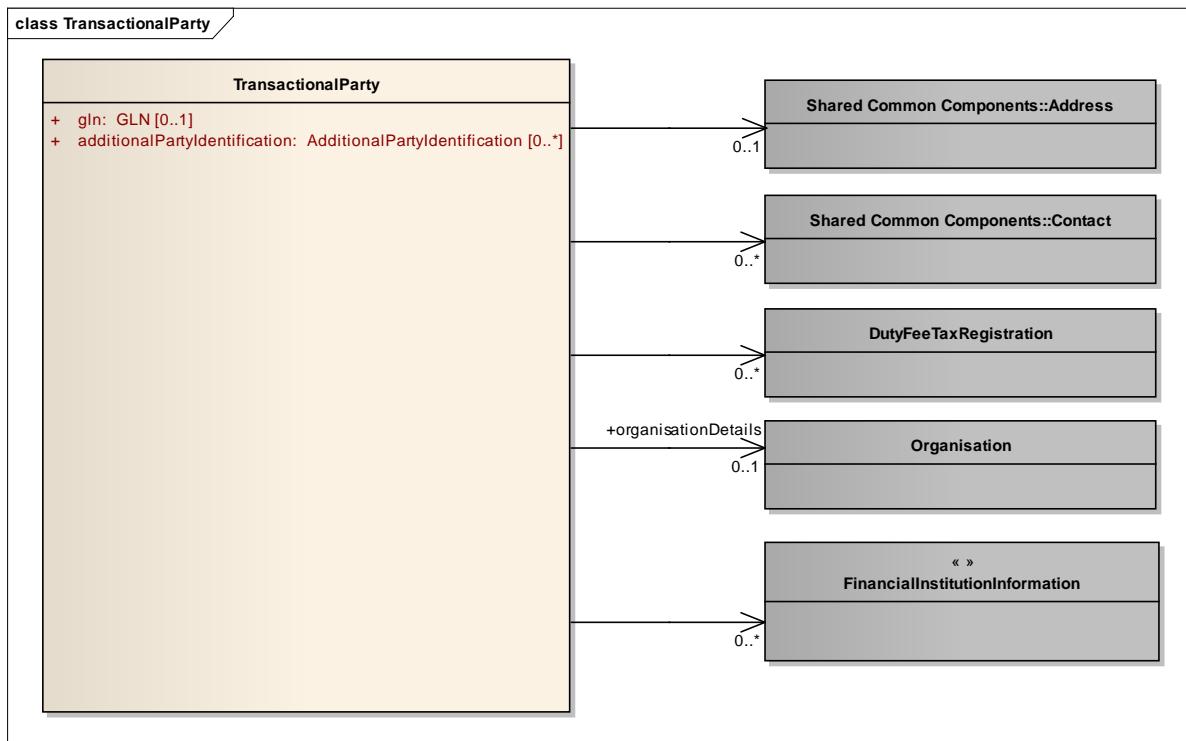
Generally corresponds with SG3 and SG11:

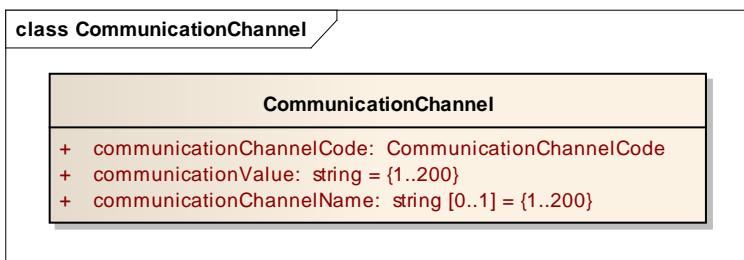
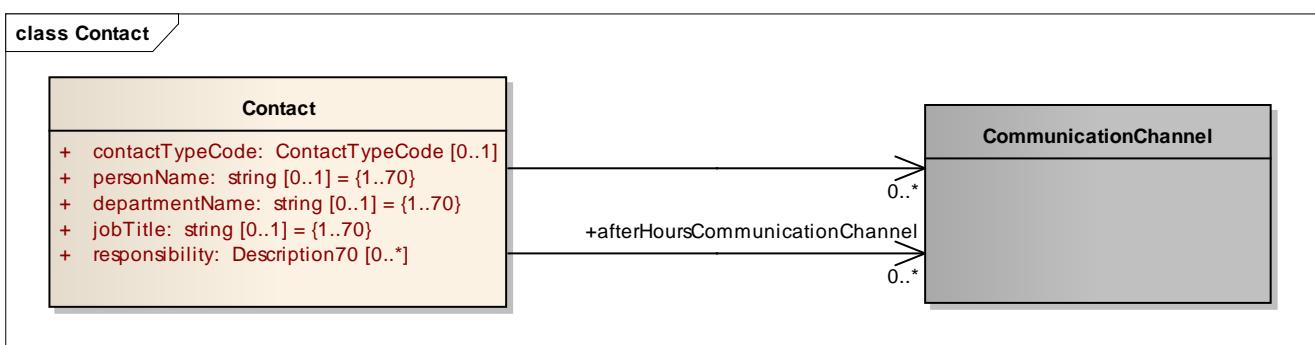
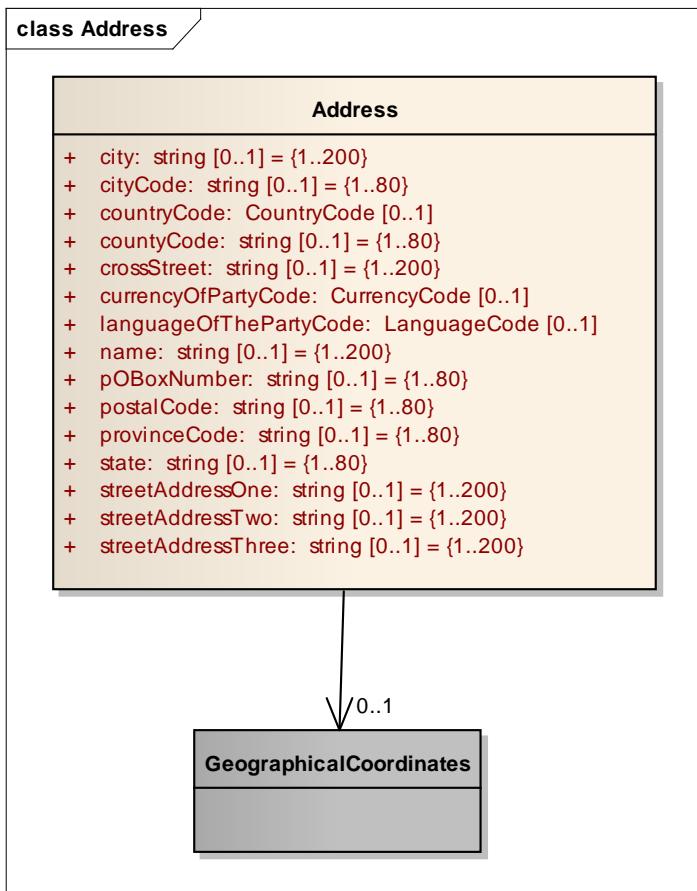
TransportInstruction	IFTMIN
ShipmentIdentification.gsin	SG3_RFF(10), 1153=SRN no exact match for GSIN
receiver/TransactionalParty	SG11_NAD(25), 3035=CN (consignee)
shipper/TransactionalParty	SG11_NAD(25), 3035=CZ (consignor)
carrier/TransactionalParty	SG11_NAD(25), 3035=CA
notifyParty/TransactionalParty	SG11_NAD(25), 3035=NI
shipFrom/TransactionalParty	SG11_NAD(25), 3035=SF
shipTo/TransactionalParty	SG11_NAD(25), 3035=ST
exportAgent/TransactionalParty	no exact match
importAgent/TransactionalParty	no exact match
plannedDelivery/LogisticEvent	DTM(3), DE2005=2, 63 , 64
plannedDespatch/LogisticEvent	DTM(3), DE2005=200,234,235
/PackageTotal	not supported on Shipment header level
/HandlingInstruction	not supported on Shipment header level

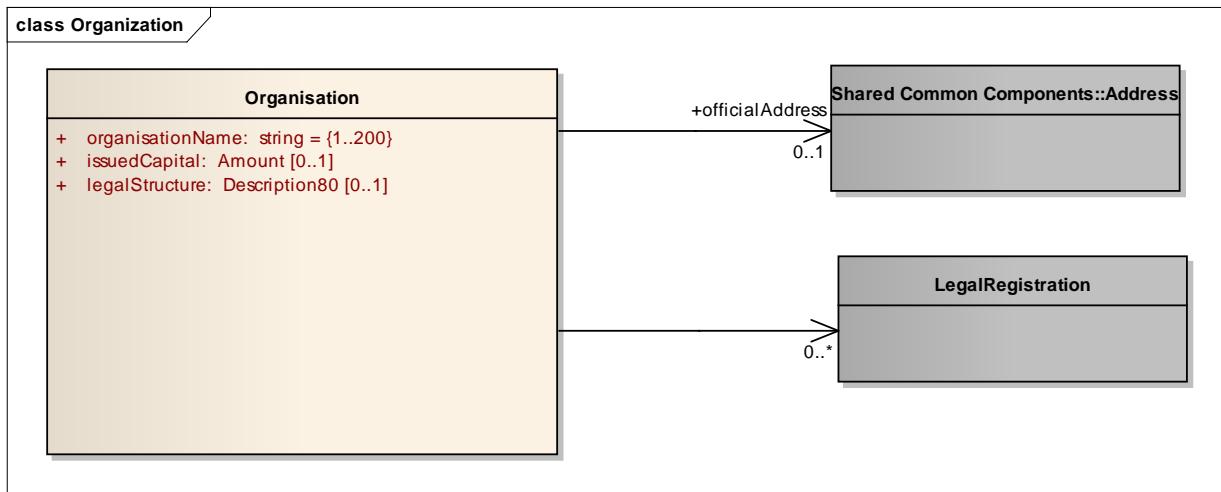
TransportInstruction	IFTMIN
/DangerousGoodsInformation	not supported on Shipment header level

3.4. Transactional Party (Transport Instruction, Consignment, Shipment)

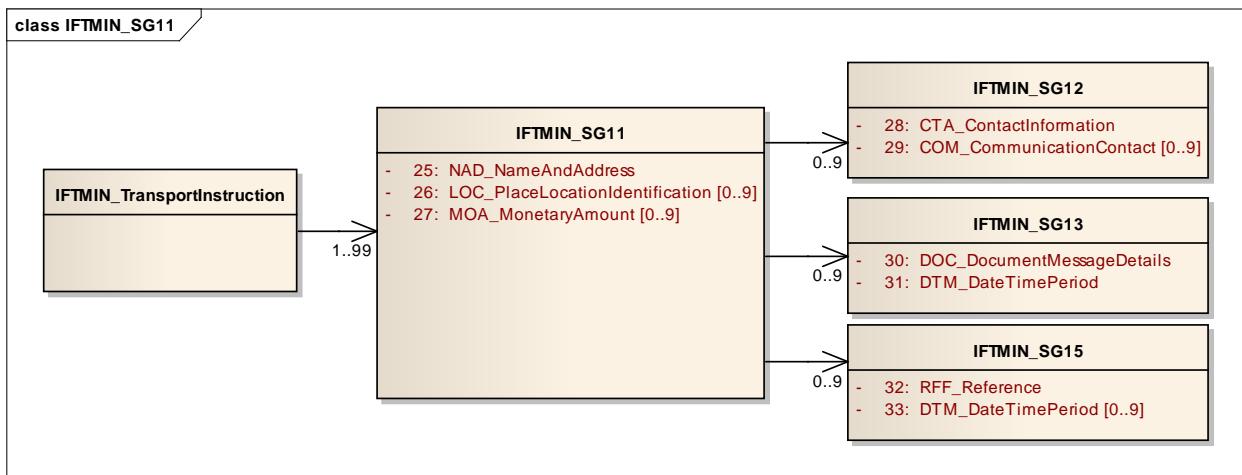
BMS Transport Instruction







EANCOM® IFTMIN



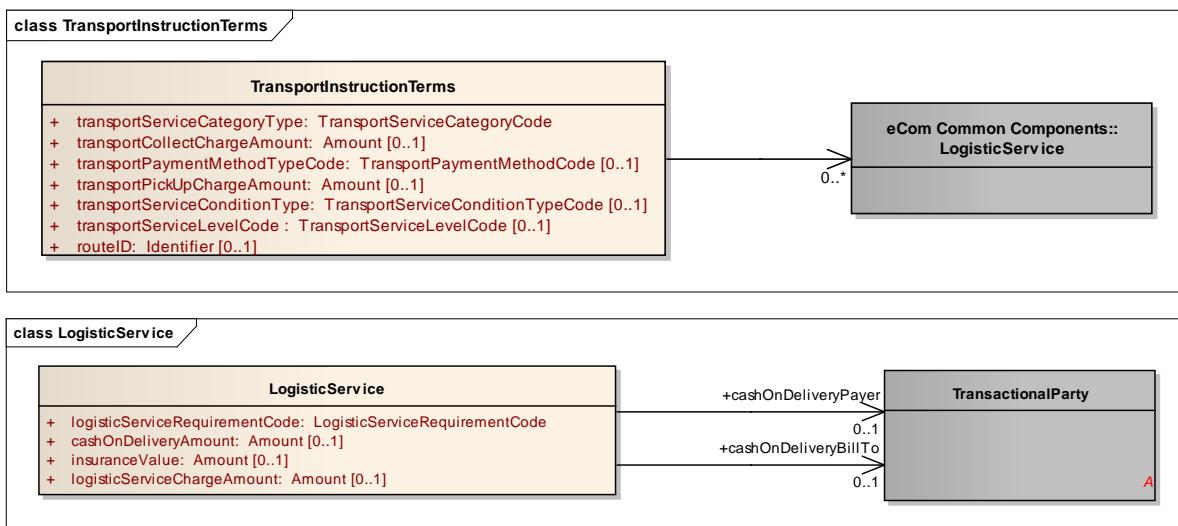
COMPARISON

Transport Instruction	IFTMIN
gln	SG11_NAD.C082.3039
additionalPartyIdentification	SG16_RFF
/Address	SG11_NAD.C058
/Contact.contactTypeCode	SG12_CTA.3139
/Contact.personName	SG12_CTA.C056.3412
/Contact.departmentName	SG12_CTA.C056.3412
/Contact.jobTitle	not available
/Contact.responsibility	not available
/Contact/ CommunicationChannel.communicationChannelCode	SG12_COM.C076.3155
/Contact/ CommunicationChannel.communicationValue	SG12_COM.C076.3148
/Contact/ CommunicationChannel.communicationChannelName	not available

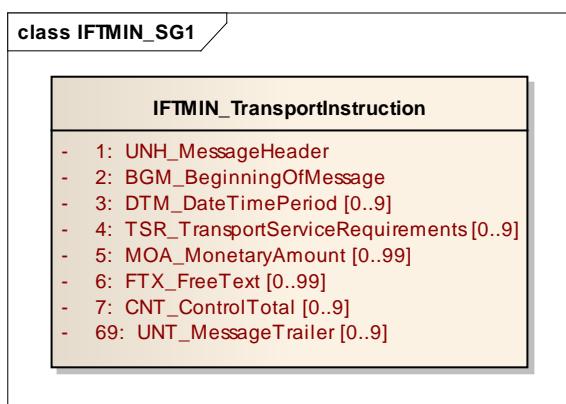
Transport Instruction	IFTMIN
/Contact/afterHoursCommunicationChannel/CommunicationChannel	not available
organisationDetails/Organisation/LegalRegistration	SG16_RFF, other Organisation attributes not available
DutyFeeTaxRegistration	SG16_RFF
FinancialInstitutionInformation	not available

3.5. Transport Instruction Terms (Shipment / Consignment)

BMS Transport Instruction



EANCOM® IFTMIN



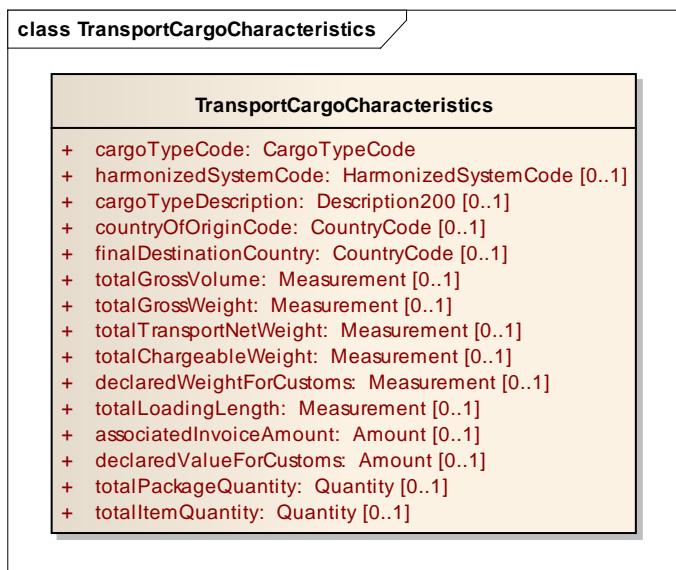
COMPARISON

Generally corresponds with segments TSR(4) and MOA(5):

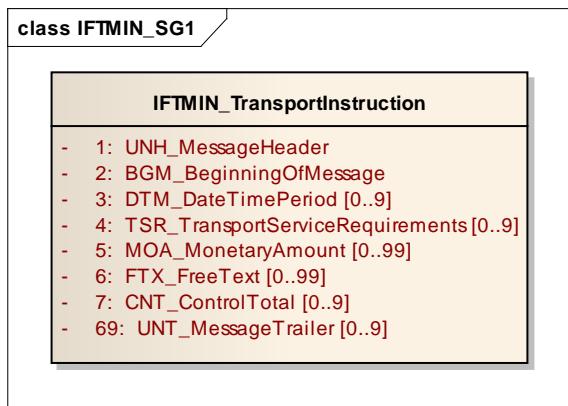
Transport Instruction	IFTMIN
transportServiceCategoryType	not available, take transport mode
transportCollectChargeAmount	SG11_MOA(27), 5025=64(Freight Charge), linked to consignor
transportPaymentMethodTypeCode	not available
transportPickUpChargeAmount	SG11_MOA(27), 5025=64(Freight Charge), linked to consignee
transportServiceConditionType	TSR(4).C536.4065
transportServiceLevelCode	TSR(4).C233.7273
routelD	
LogisticService.logisticServiceRequirementCode	TSR(4).C233.7273 Limited capacity for different logistic service requirements. Amounts in MOA(5) can be repeated though.
LogisticService.cashOnDeliveryAmount	SG11_MOA(27), 5025=22 linked to consignee
LogisticService.insuranceValue	MOA(5), 5025=157
LogisticService.logisticServiceChargeAmount	MOA(5), 5025= no exact match
cashOnDeliveryPayer.TransactionalParty	no exact match
cashOnDeliveryBillTo.TransactionalParty	no exact match

3.6. Transport Cargo Characteristics (Shipment / Consignment)

BMS Transport Instruction



EANCOM® IFTMIN



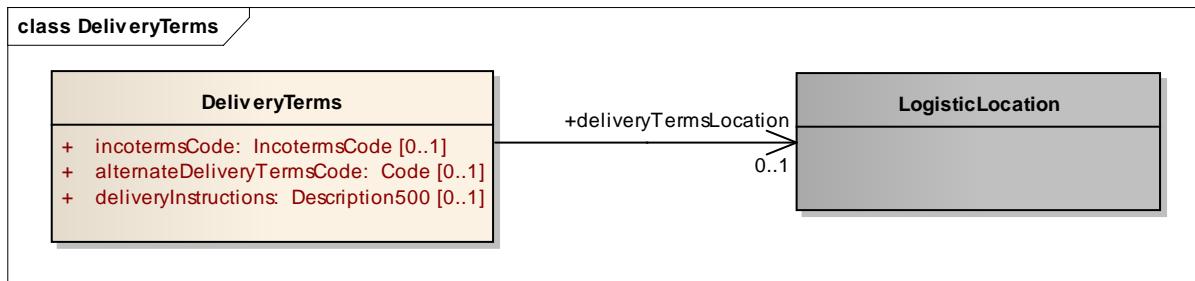
COMPARISON

Generally corresponds with segments TSR(4), MOA(5), CNT(7)

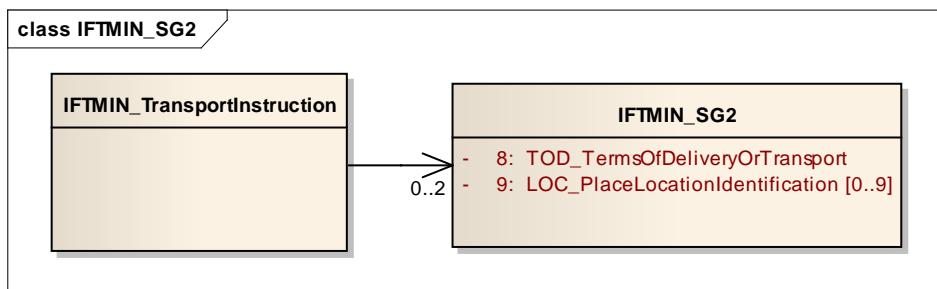
Transport Instruction	IFTMIN
cargoTypeCode	TSR(4).C703.7085
harmonizedSystemCode	not available on header level
cargoTypeDescription	FTX(6), 4451=AAA (Goods Description)
countryOfOrigin	?
finalDestinationCountry	?
totalGrossVolume	CNT(7), 6069=26 (Total gross measurement / cube)
totalGrossWeight	CNT(7), 6069=7
totalTransportNetWeight	CNT(7), 6069=29
totalChargeableWeight	CNT(7), 6069= no exact match
declaredWeightForCustoms	CNT(7), 6069= no exact match
totalLoadingLength	CNT(7), 6069=57(Total loading meters)
associatedInvoiceAmount	MOA(5), 5025=77 (Invoice amount)
declaredValueForCustoms	MOA(5), 5025=40 (Customs Value)
totalPackageQuantity	CNT(7), 6069=11
totalItemQuantity	CNT(7), 6069=38E (Total number of transport units)

3.7. Delivery Terms (Shipment / Consignment)

BMS Transport Instruction



EANCOM® IFTMIN



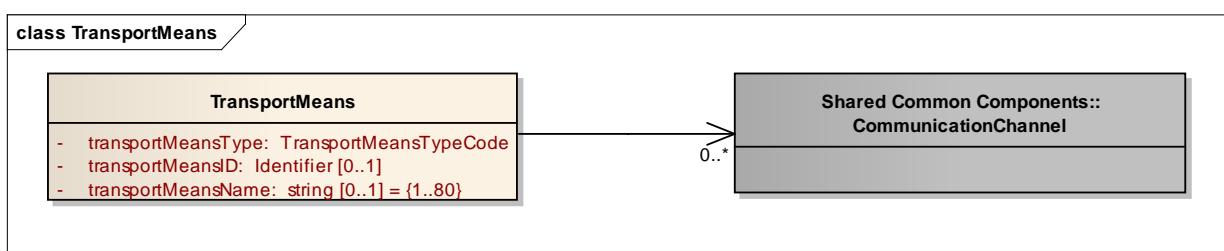
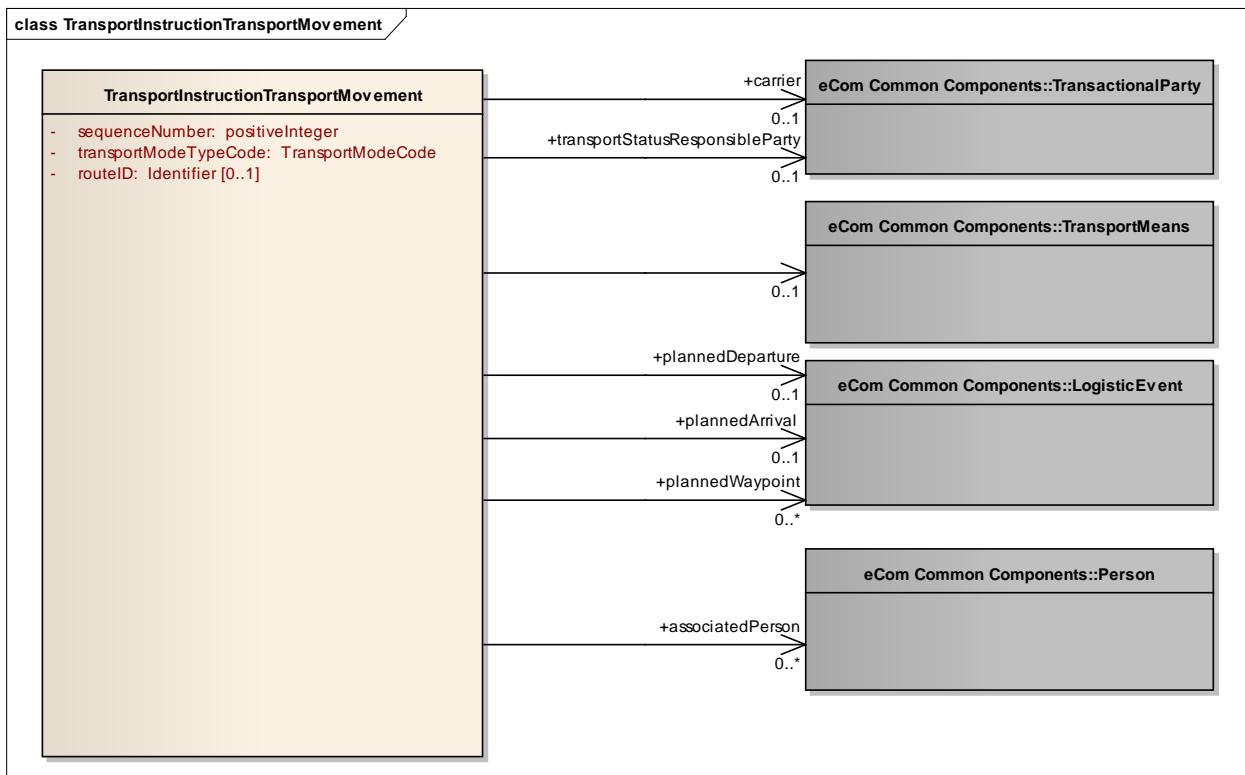
COMPARISON

Corresponds with segment group 2:

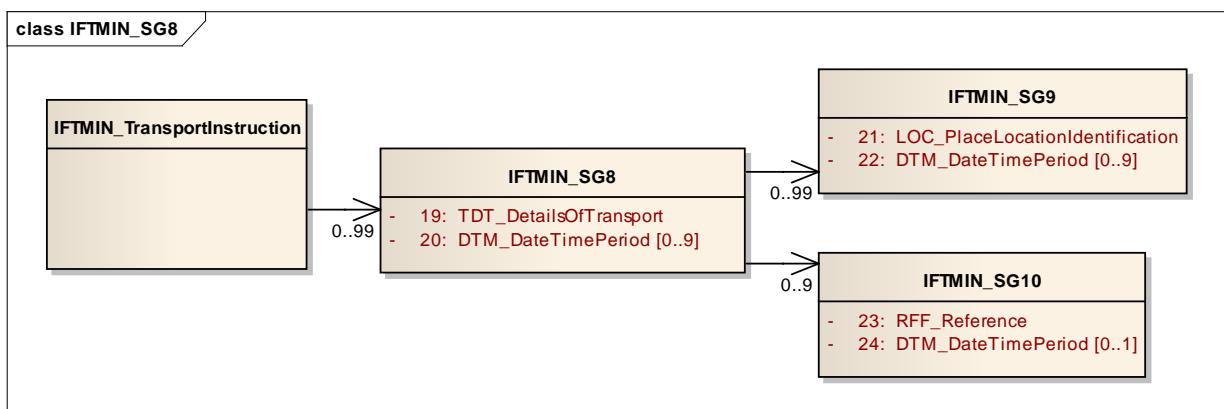
TransportInstruction	IFTMIN
incoTermsCode	SG2_TOD(8).C100.4053
alternateDeliveryTermsCode	SG2_TOD(8).C100.4053 and C100.1131=ZZZ (mutually defined) / no exact match
deliveryInstructions	FTX(6)
deliveryTermsLocation/LogisticLocation.unLocationCode	SG2_LOC(9).C517.3225

3.8. Transport Movement / Transport Means (Consignment)

BMS Transport Instruction



EANCOM® IFTMIN



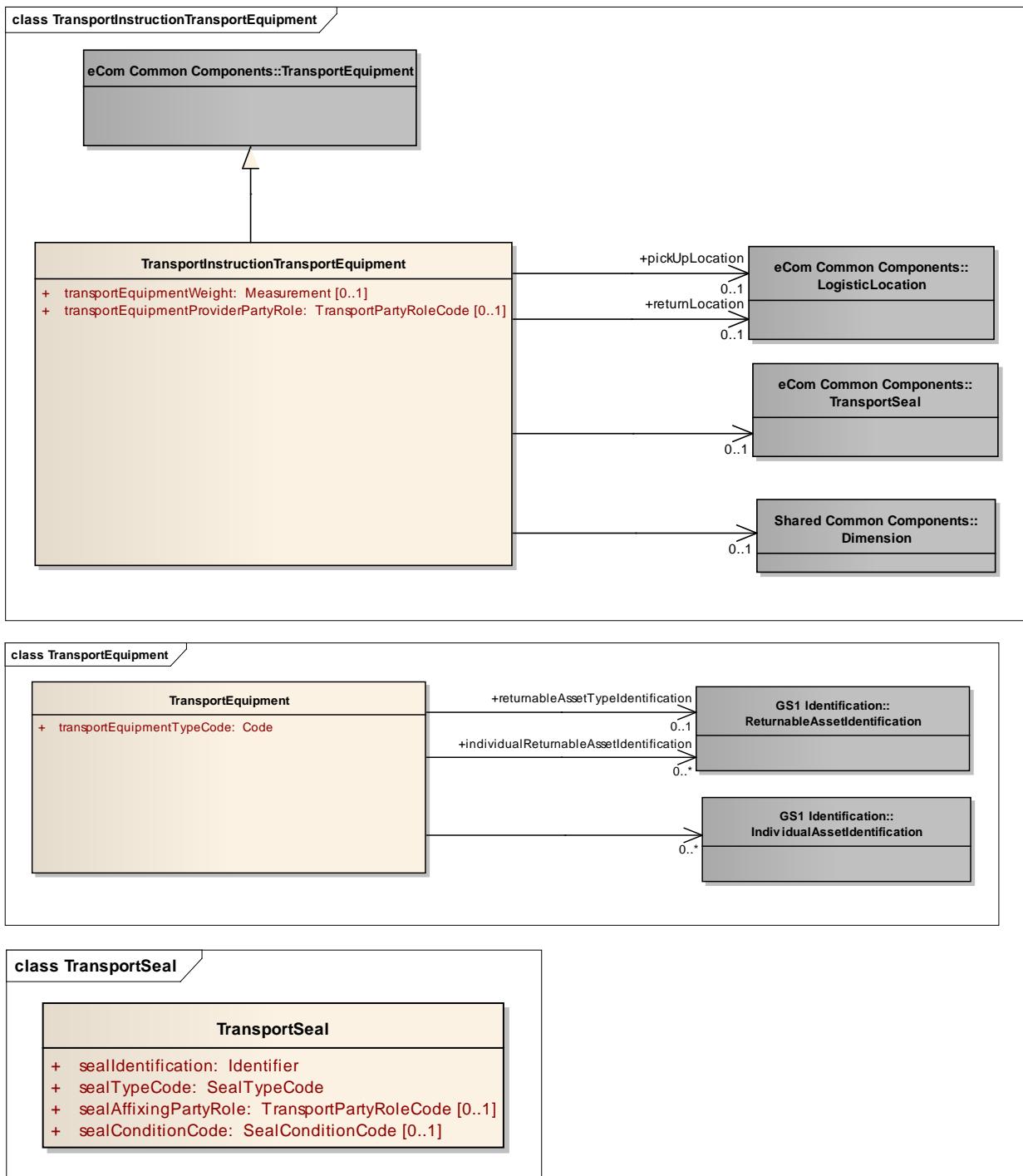
COMPARISON

Generally corresponds with segment group 8:

Transport Instruction	IFTMIN
sequenceNumber	SG8_TDT(19).8051 no exact match
transportModeTypeCode	SG8_TDT(19).C220.8067
routeID	SG8_TDT(19).8028
carrier/TransactionalParty.gln	SG8_TDT(19).C040.3127 (note, full details may be included in SG11_NAD)
carrier/TransactionalParty/NameAndAddress.name	SG8_TDT(19).C040.3128 (note, full details may be included in SG11_NAD)
/TransportMeans.transportMeansType	SG8_TDT(19).C228.8179
/TransportMeans.transportMeansID	SG8_TDT(19).C222.8212 (or 8213?)
/TransportMeans.transportMeansName	SG8_TDT(19).C222.8212
/TransportMeans..CommunicationChannel	not available on transport means level
plannedDeparture/LogisticEvent.logisticEventDateTime	SG9_DTM(22), DE2005=133
plannedDeparture/LogisticEvent..LogisticLocation	SG9_LOC(21), 3227=9 (Place/port of loading)
plannedArrival/LogisticEvent.logisticEventDateTime	SG9_DTM(22), DE2005=132
plannedArrival/LogisticEvent..LogisticLocation	SG9_LOC(21), 3227=11 (Place/port of discharge)
plannedWaypoint/LogisticEvent.logisticEventDateTime	SG9_DTM(22), DE2005=369 (date and or time of handling (estimated)) no exact match
plannedWaypoint/LogisticEvent..LogisticLocation	SG9_LOC(21), 3227=. 22 (customs office of clearance)
associatedPerson/Person	driver details not available on movement level

3.9. Transport Equipment (Consignment)

BMS Transport Instruction



EANCOM® IFTMIN



COMPARISON

Corresponds with segment group 37:

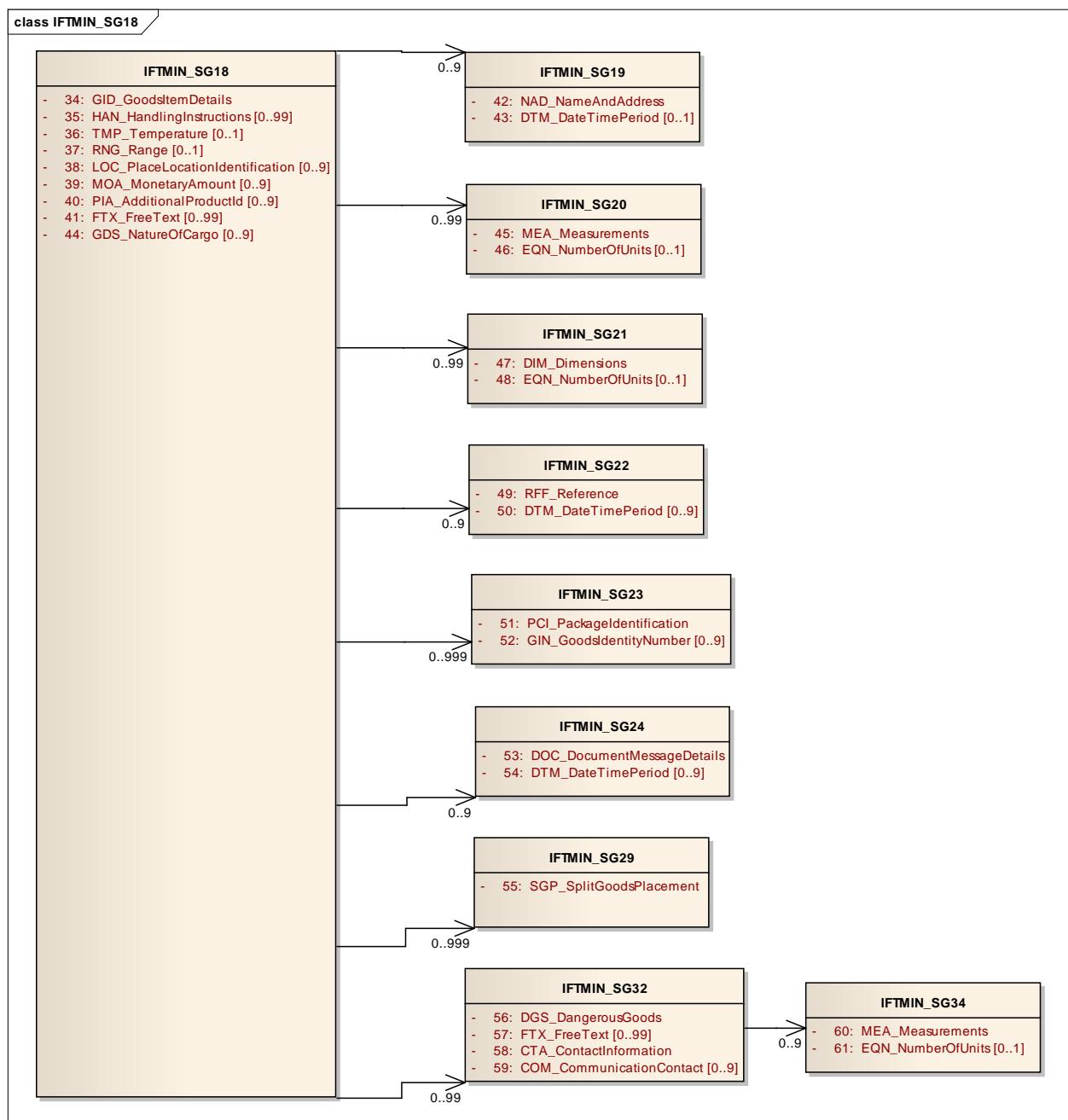
Transport Instruction	IFTMIN
transportEquipmentTypeCode	SG37_EQD(62).8053 and SG37_EQD(62).C224.8155
returnableAssetTypeIdentification	SG37_EQD(62).C237.8260
individualReturnableAssetIdentification	SG37_EQD(62).C237.8260 (17 characters, does not support the full length serialized GRAI, also no qualifier available to specify the applied key)
individualAssetIdentification	SG37_EQD(62).C237.8260 (17 characters, does not support the full length GIAI, also no qualifier available to specify the applied key)
transportEquipmentWeight	SG37_ME(A64).c502.6313=T (Tare weight)
transportEquipmentProviderPartyRole	SG37_EQD(62).8077
+pickUpLocation/LogisticLocation	SG39_NAD(67) with 3035=CK (empty equipment despatch party)
+returnLocation/LogisticLocation	SG39_NAD(67) with 3035=CK (empty equipment return party)
/TransportSeal.sealIdentification	SG37_SEL(66).9308
/TransportSeal.sealTypeCode	not available
/TransportSeal.sealAffixingPartyRole	SG37_SEL(66).C215.9303
/TransportSeal.sealConditionCode	not applicable in Transport Instruction
/Dimension.depth	SG37_DIM(65).C211.6168(Length)
/Dimension.height	SG37_DIM(65).C211.6008
/Dimension.width	SG37_DIM(65).C211.6140

4. Mapping of key data elements on detail level

In this chapter the Transport Instruction detail level is discussed. Elements on detail level include the consignment item, shipment item, logistic unit and trade item classes.

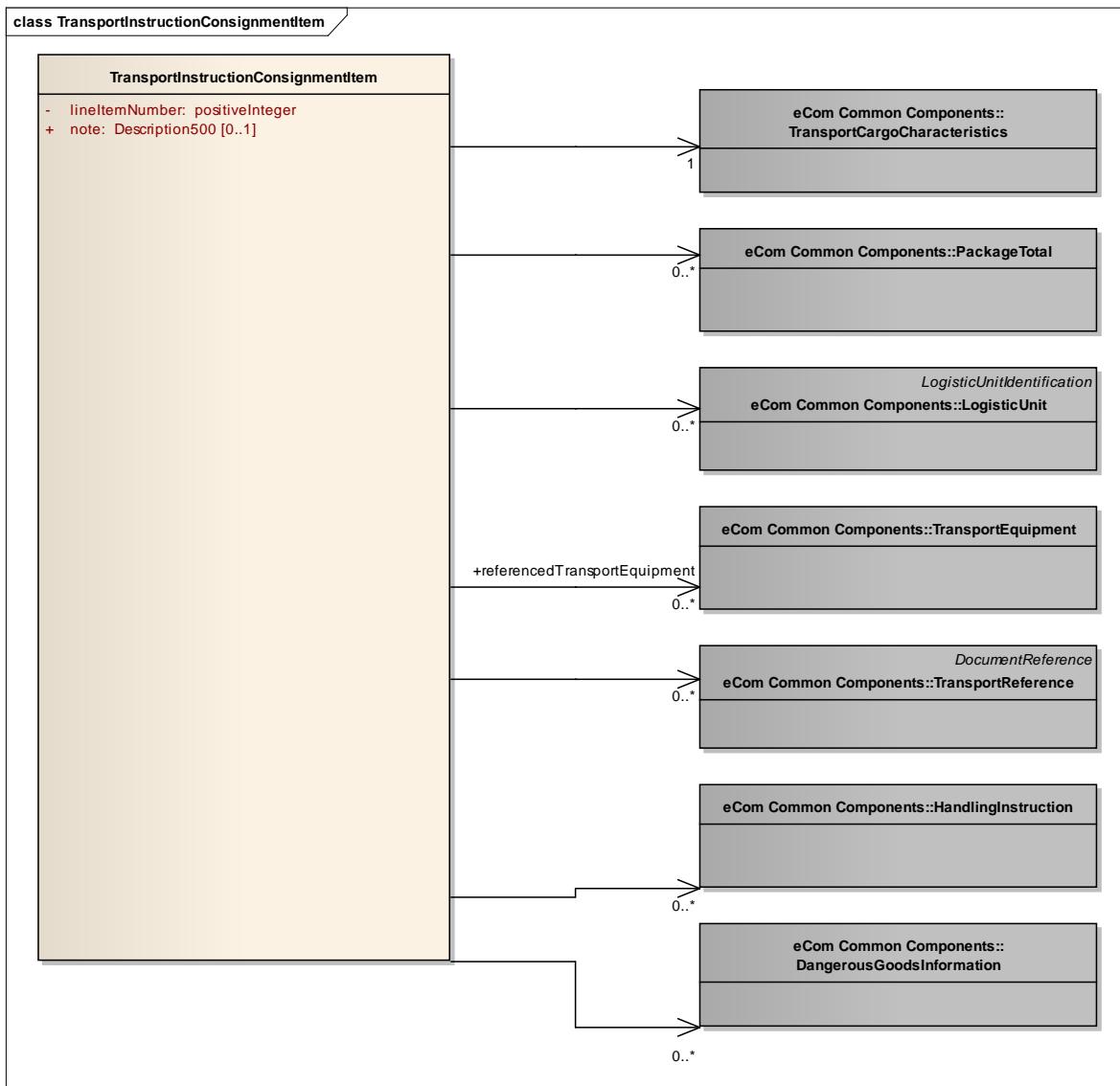
For each group of related data elements in the BMS Transport Instruction (GS1 XML) first the related IFTMIN segments are shown using diagrams. Underneath the diagrams a table with precise mappings for each of the data elements is provided.

IIFTMIN Detail Level Segments



4.1. Consignment Item

BMS Transport Instruction



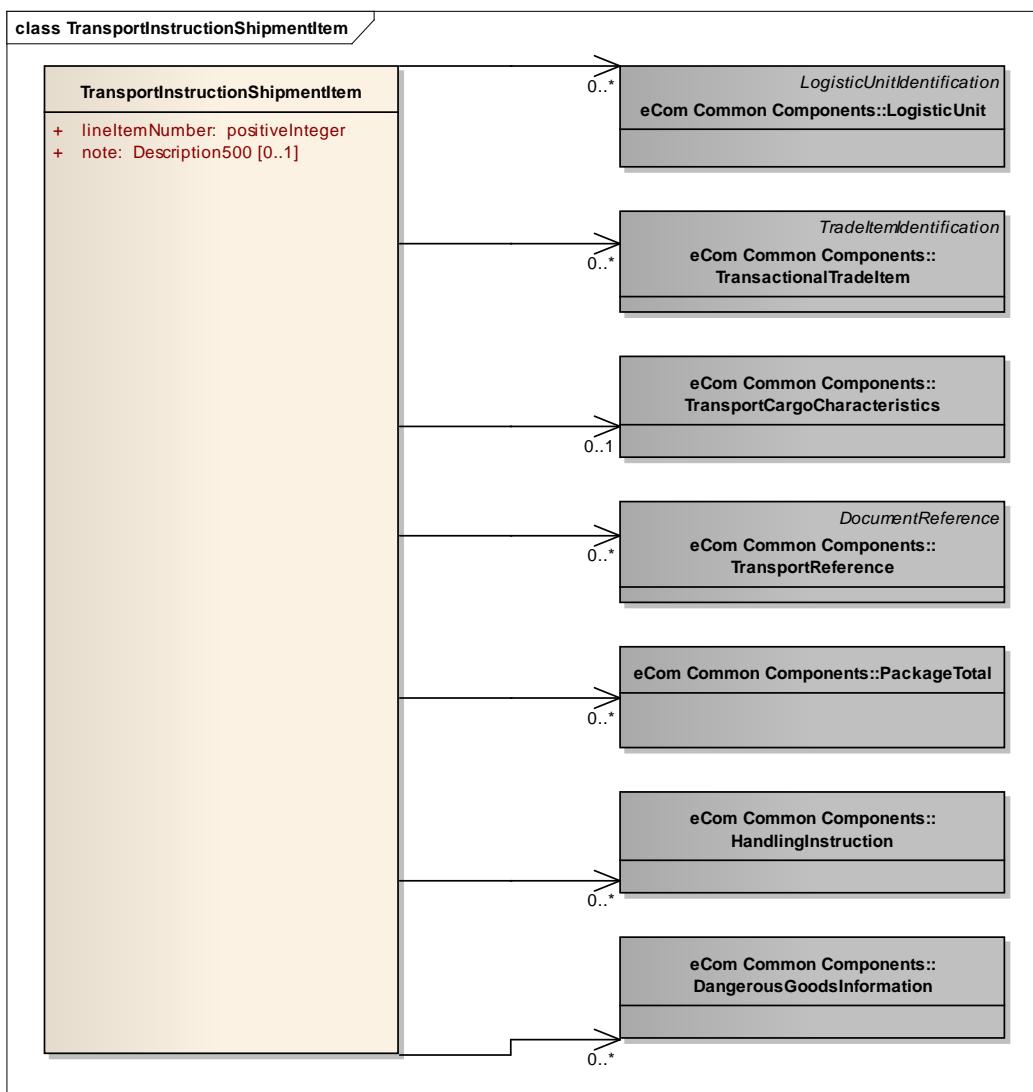
COMPARISON

Transport Instruction	IFTMIN
lineItemNumber	SG18_GID(34).1496
note	SG18_FTX(41).C108.4440
referencedTransportEquipment/TransportEquipment /grai or giae	SG29_SGP(55).C237.8260
referencedTransportEquipment/TransportEquipment. transportEquipmentTypeCode	not supported

Transport Instruction	IFTMIN
referencedTransportEquipment/TransportEquipment. returnableAssetTypeIdentification	SG29_SGP(55).C237.8260
referencedTransportEquipment/TransportEquipment. individualReturnableAssetIdentification	SG29_SGP(55).C237.8260 (17 characters, does not support the full length serialized GRAI, also no qualifier available to specify the applied key)
referencedTransportEquipment/TransportEquipment individualAssetIdentification	SG29_SGP(55).C237.8260 (17 characters, does not support the full length GIAI, also no qualifier available to specify the applied key)
/TransportReference	SG22_RFF

4.2. Shipment Item

BMS Transport Instruction

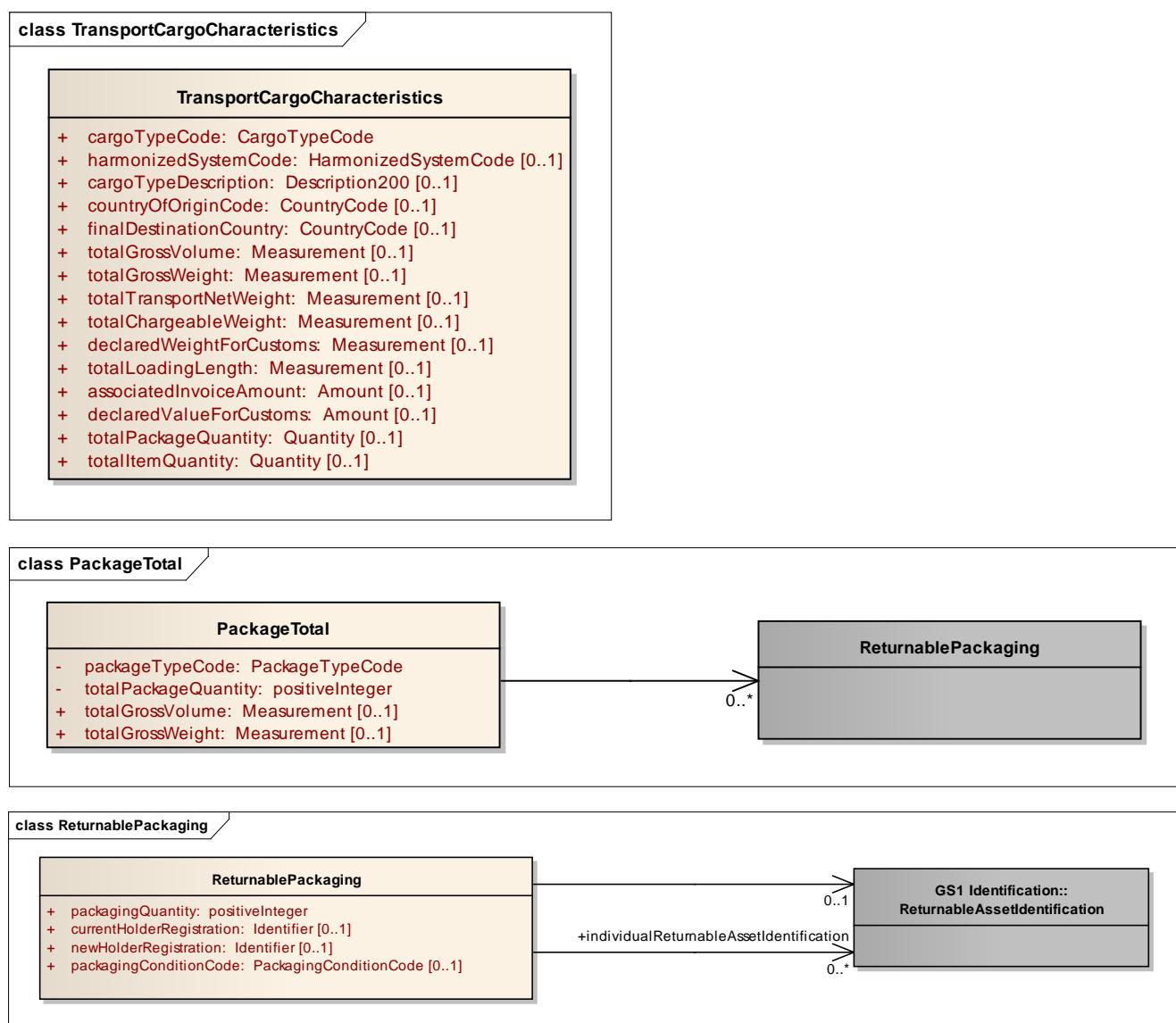


COMPARISON

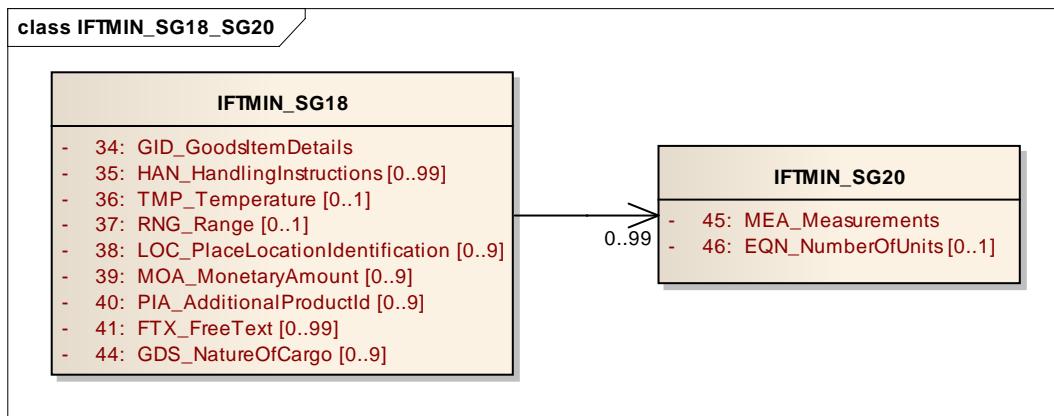
Transport Instruction	IFTMIN
lineItemNumber	SG18_GID(34).1496
note	SG18_FTX(41).C108.4440
/TransportReference	SG22_RFF

4.3. Transport Cargo Characteristics + Package Total (Shipment Item / Consignment Item)

BMS Transport Instruction



EANCOM® IFTMIN



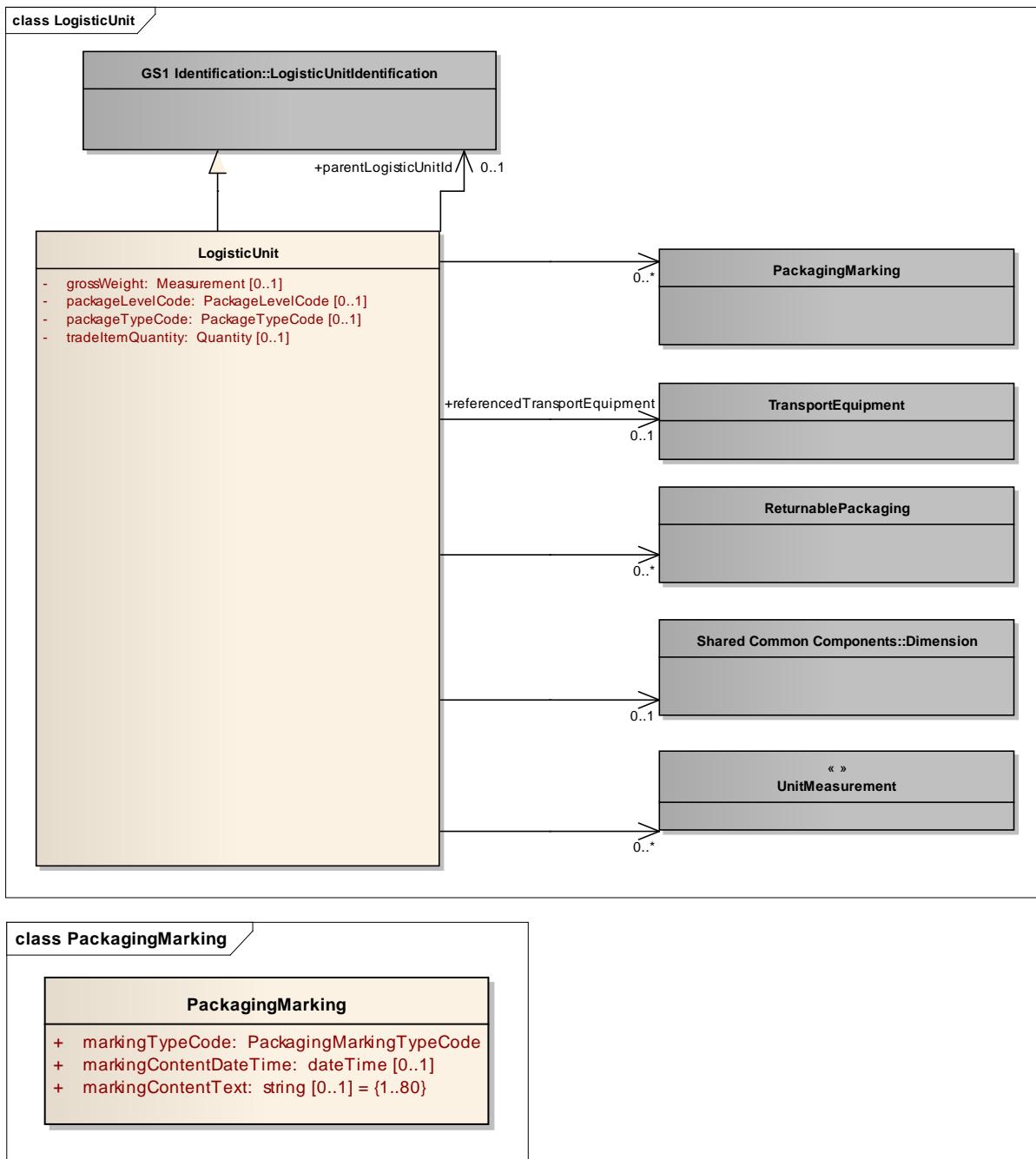
COMPARISON

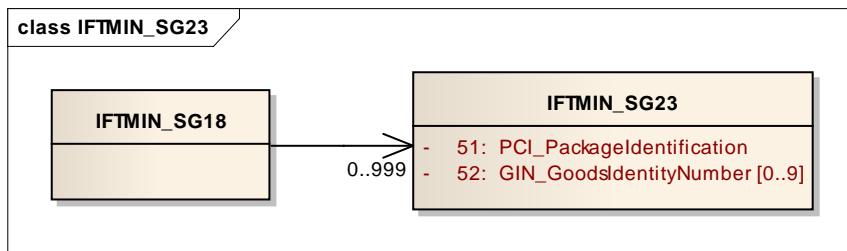
Generally corresponds with segments TSR(4), MOA(5), CNT(7)

TransportInstruction	IFTMIN
cargoTypeCode	SG18_GDS.C703.7085
harmonizedSystemCode	SG18_PIA.C212.7140 with 7143=HS
cargoTypeDescription	SG18_FTX(41) with 4451=AAA (Goods Description)
totalGrossVolume	SG20_MEA(45) 6311=AAE (Measurement) 6313=AFF
totalGrossWeight	SG20_MEA(45) 6311=AAE (Measurement) 6313=AAD
totalTransportNetWeight	SG20_MEA(45) 6311=AAE (Measurement) 6313=AAC
totalChargeableWeight	SG20_MEA(45) 6311=CHW (Chargeable Weight) 6313=???
declaredWeightForCustoms	SG20_MEA(45) 6311=AAF (Customs line item measurement) 6313=ADZ
totalLoadingLength	SG20_MEA(45) 6311=LMT (Loading metre) 6313=ACV
associatedInvoiceAmount	SG18_MOA(39), 5025=77 (Invoice amount)
declaredValueForCustoms	SG18_MOA(39), 5025=40 (Customs Value)
totalPackageQuantity	SG18_GID.C213.7224 with 7065=PK (Package)
totalItemQuantity	not available
PackageTotal.packageTypeCode	SG18_GID.C213.7065
PackageTotal.totalPackageQuantity	SG18_GID.C213.7224
PackageTotal.totalGrossVolume	not available per package type
PackageTotal.totalGrossWeight	not available per package type
PackageTotal/ReturnablePackaging	map to Transport Equipment?

4.4. Logistic Unit (Shipment Item / Consignment Item)

BMS Transport Instruction



EANCOM® IFTMIN**COMPARISON**

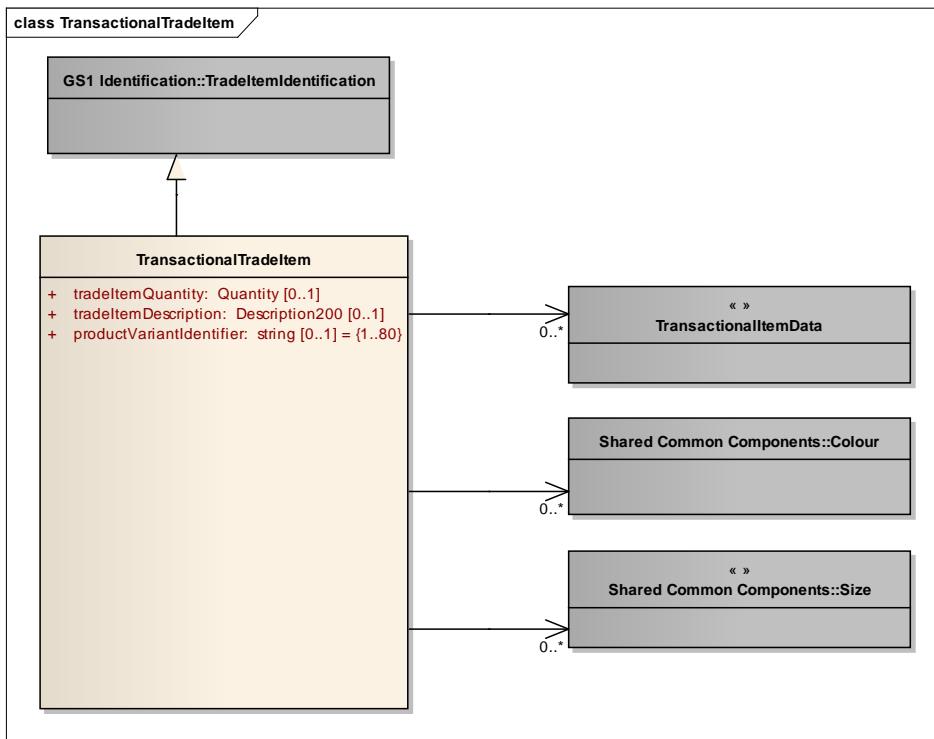
Transport Instruction	IFTMIN
/LogisticUnitIdentification.sccc	SG23_GIN.7405=BJ and SG23_GIN.C208.7402 holds the SSCC.
grossWeight	not available at logistic unit level
packageLevelCode	not available
packageTypeCode	not available at logistic unit level
tradeItemQuantity	not available at logistic unit level
/PackagingMarking.markingTypeCode	SG23_PCI(51).4233
/PackagingMarking.markingContentDateTime	not available
/PackagingMarking.markingContentText	SG23_PCI(51).C210.7102
referencedTransportEquipment/TransportEquipment	not available at logistic unit level
/ReturnablePackaging	not available
/Dimension	not available at logistic unit level
/UnitMeasurement	not available at logistic unit level



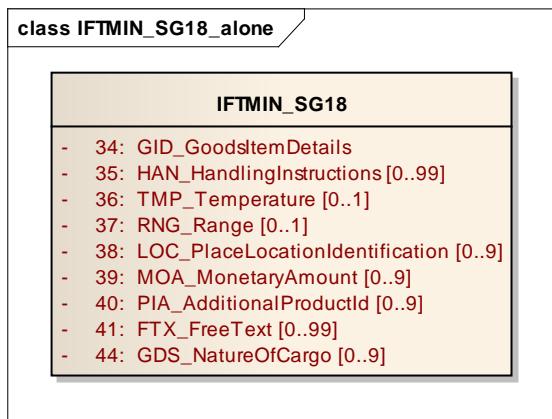
Note: By creating separate repetitions of SG18 per logistic unit some of the data marked as not available could still be specified per logistic unit.

4.5. Transactional Trade Item (Shipment Item)

BMS Transport Instruction



EANCOM® IFTMIN

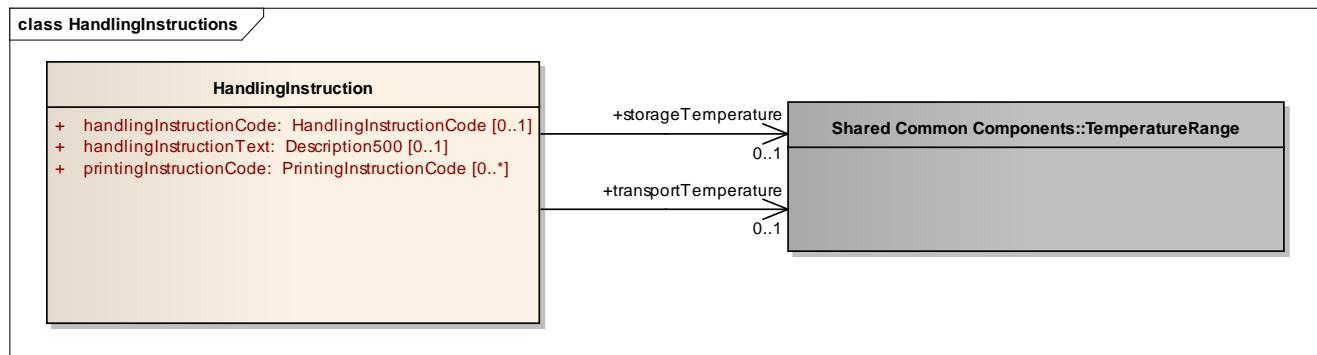


COMPARISON

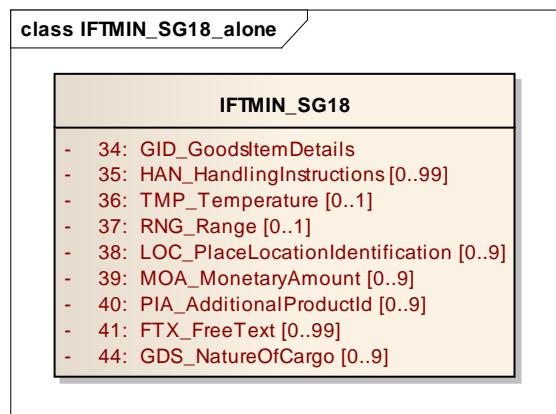
TtransportInstruction	IFTMIN
/TradeItemIdentification.gtin	<ul style="list-style-type: none"> ■ SG18_PIA(40).4347=5 (Product identification) ■ SG18_PIA(40).7140 (gtin value) ■ SG18_PIA(40).7143=SRV (GS1 Global Trade Item Number)
/TradeItemIdentification.additionalTradeItemIdentifier	<ul style="list-style-type: none"> ■ SG18_PIA(40).4347=5 (Product identification) ■ SG18_PIA(40).7140 (additional ID) ■ SG18_PIA(40).7143=SA,IN
tradeItemDescription	<ul style="list-style-type: none"> ■ SG18_FTX(41).4451=PRD (Product Information) ■ SG18_FTX(41).C108.4440 (text value)

4.6. Handling Instruction (Shipment Item / Consignment Item)

BMS Transport Instruction



EANCOM® IFTMIN



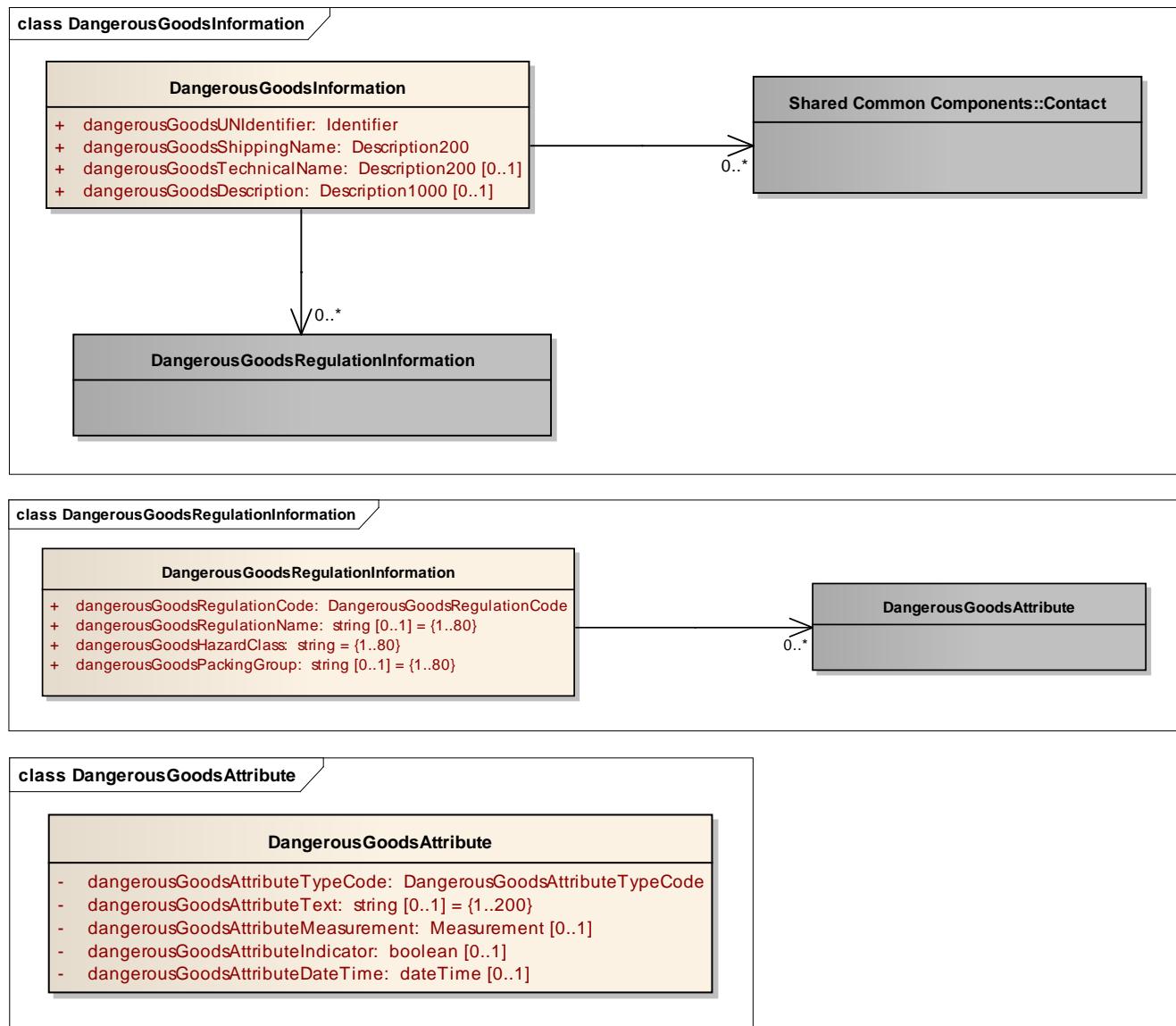
COMPARISON

TransportInstruction	IFTMIN
handlingInstructionCode	SG18_HAN.C524.4079
handlingInstructionText	SG18_HAN.C524.4078
printingInstructionCode	SG18_HAN.C524.4079
storageTemperature/TemperatureRange	SG18_TMP, 6245=1 and SG18_RNG (*)
transportTemperature/TemperatureRange	SG18_TMP, 6245=2 and SG18_RNG (*)

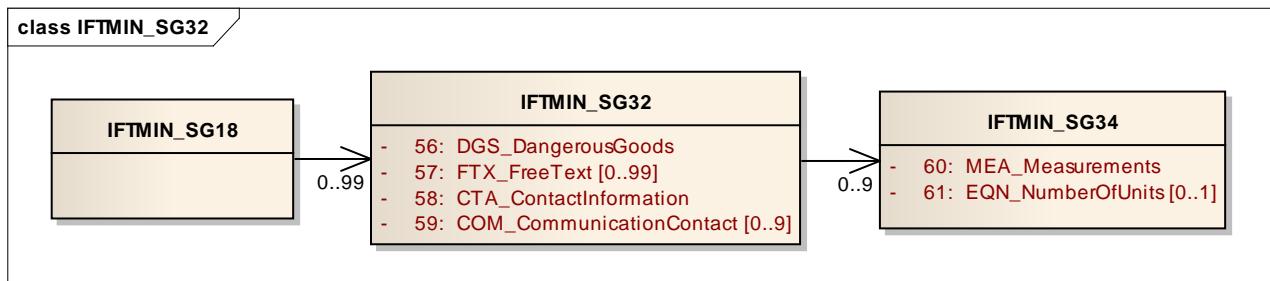
(*) only one of these temperatures can be specified.

4.7. Dangerous Goods Information (Shipment Item / Consignment Item)

BMS Transport Instruction



EANCOM® IFTMIN



COMPARISON

TransportInstruction	IFTMIN
dangerousGoodsUNIdentifier	SG32_DGS(56).C234.7124
dangerousGoodsShippingName	SG32_FTX(57).4451=???
dangerousGoodsTechnicalName	SG32_FTX(57).4451=AAD
dangerousGoodsDescription	SG32_FTX(57).4451=AAC
/Contact	SG33_CTA(58)
/DangerousGoodsRegulationInformation.dangerousGoodsRegulationCode	SG32_DGS(56).8273
/DangerousGoodsRegulationInformation.dangerousGoodsRegulationName	not available
/DangerousGoodsRegulationInformation.dangerousGoodsHazardClass	SG32_DGS(56).C205.8351
/DangerousGoodsRegulationInformation.dangerousGoodsPackingGroup	SG32_DGS(56).8339
/DangerousGoodsAttribute.dangerousGoodsAttributeTypeCode	various mapping options
/DangerousGoodsAttribute.dangerousGoodsAttributeText, ...	various mapping options

5. Examples

5.1. Transport Instruction – Domestic, 1 consignment, 1 truck, with logistic units

BMS Transport Instruction

TransportInstruction	
creationDateTime	2011-01-12T12:00:00
documentStatusCode	ORIGINAL
transportInstructionFunction	CONSIGNMENT
EntityIdentification (+transportInstructionIdentification)	
uniqueCreatorIdentification	TRINS00001
TransactionalParty (+logisticServicesSeller)	
gln	4048623000003
TransactionalParty (+logisticServicesBuyer)	
gln	7365566156190
TransportInstructionConsignment	
ConsignmentIdentification	
ginc	7365566156191234567
TransactionalParty (+consignor)	
gln	7365566156190
TransactionalParty (+consignee)	
gln	7300011234566
TransportInstructionTerms	
transportServiceCategoryType	30
TransportCargoCharacteristics	
cargoTypeCode	21
cargoTypeDescription	General cargo (EN)
totalGrossVolume	3.5 (CBM)
totalGrossWeight	1500 (KGM)
totalPackageQuantity	5
TransportInstructionTransportMovement	
sequenceNumber	1
transportModeTypeCode	30
LogisticEvent (+plannedDeparture)	
DateOptionalTime (+logisticEventDateTime)	

date	2011-01-14
LogisticLocation	
Address	
city	Stockholm
LogisticEvent (+plannedArrival)	
LogisticLocation	
Address	
city	Lund
PackageTotal	
packageTypeCode	201
totalPackageQuantity	3
PackageTotal	
packageTypeCode	211
totalPackageQuantity	2
TransportInstructionConsignmentItem	
lineItemNumber	1
TransportCargoCharacteristics	
cargoTypeCode	21
cargoTypeDescription	Furniture (EN)
LogisticUnit (*)	
sscc	373655661561900018
packageTypeCode	201
LogisticUnit (*)	
sscc	373655661561900025
packageTypeCode	201
LogisticUnit (*)	
sscc	373655661561900032
packageTypeCode	201
LogisticUnit (*)	
sscc	373655661561900049
packageTypeCode	211
LogisticUnit (*)	
sscc	373655661561900056
packageTypeCode	211

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IFTMIN		
(1)	UNH+ME00001+IFTMIN:D:01B:UN:EAN004'	■ Message header

IFTMIN		
(2)	BGM+610+TRINS00001+9'	<ul style="list-style-type: none"> ■ EntityIdentification (+transportInstructionIdentification) ■ documentStatusCode
(3)	DTM+137:20111201120000:204'	<ul style="list-style-type: none"> ■ creationDateTime
(4)	TSR++++12'	<ul style="list-style-type: none"> ■ cargoTypeCode
(7)	CNT+15:3.5:MTQ'	<ul style="list-style-type: none"> ■ totalGrossVolume
(7)	CNT+7:1500:KGM'	<ul style="list-style-type: none"> ■ totalGrossWeight
(7)	CNT+11:5:EA'	<ul style="list-style-type: none"> ■ totalPackageQuantity
(10) SG3	RFF+CU:7365566156191234567'	<ul style="list-style-type: none"> ■ ginc
(19) SG8	TDT+1++30'	<ul style="list-style-type: none"> ■ sequenceNumber ■ transportModeTypeCode
(21) SG9	LOC+5+::Stockholm'	<ul style="list-style-type: none"> ■ plannedDeparture/logisticLocation
(22) SG9	DTM+136:20110114:102'	<ul style="list-style-type: none"> ■ plannedDeparture/DateOptionalTime
(21) SG9	LOC+7+Lund'	<ul style="list-style-type: none"> ■ plannedArrival/logisticLocation
(25) SG11	NAD+CA+4048623000003::9'	<ul style="list-style-type: none"> ■ logisticServicesSeller
(25) SG11	NAD+CZ+7365566156190::9'	<ul style="list-style-type: none"> ■ Consignor ■ LogisticServicesBuyer
(25) SG11	NAD+CN+7300011234566::9'	<ul style="list-style-type: none"> ■ Consignee
(34) SG18	GID+1+3:201::9'	<ul style="list-style-type: none"> ■ PackageTotal (specified on detail level)
(41) SG18	FTX+AAA+++Furniture+EN'	<ul style="list-style-type: none"> ■ cargoTypeDescription
(44) SG18	GDS+12'	<ul style="list-style-type: none"> ■ CargoTypeCode (value 21 not available)
(51) SG23	PCI+33E'	
(52) SG23	GIN+BJ+373655661561900018+373655661561900025+373655661561900032'	<ul style="list-style-type: none"> ■ ssc
(34) SG18	GID+2+2:211::9'	<ul style="list-style-type: none"> ■ PackageTotal (specified on detail level)
(41) SG18	FTX+AAA+++Furniture+EN'	<ul style="list-style-type: none"> ■ cargoTypeDescription
(44) SG18	GDS+12'	<ul style="list-style-type: none"> ■ CargoTypeCode (value 21 not available)
(51) SG23	PCI+33E'	
(52) SG23	GIN+BJ+373655661561900049+373655661561900056'	<ul style="list-style-type: none"> ■ ssc
(69)	UNT+26+ME000001'	

5.2. Transport Instruction – Domestic, 1 shipment, 1 truck, with logistic units

BMS Transport Instruction

TransportInstruction	
creationDateTime	2011-01-12T12:00:00
documentStatus	ORIGINAL
transportInstructionFunction	SHIPMENT
EntityIdentification (+transportInstructionIdentification)	
uniqueCreatorIdentification	TRINS00002
TransactionalParty (+logisticServicesSeller)	
gln	4048623000003
TransactionalParty (+logisticServicesBuyer)	
gln	7365566156190
TransportInstructionShipment	
gsin	73655661561900123
TransactionalParty (+receiver)	
gln	7300011234566
TransactionalParty (+shipper)	
gln	7365566156190
TransactionalParty (+shipTo)	
Address	
city	Lund
postalCode	22478
streetAddressOne	Glimmervägen 125
TransportInstructionTerms	
transportServiceCategoryType	30
TransportCargoCharacteristics	
cargoTypeCode	21
cargoTypeDescription	General cargo (EN)
totalGrossVolume	3.5 (CBM)
totalGrossWeight	1500 (KGM)
totalPackageQuantity	5
LogisticEvent (+plannedDelivery)	
DateOptionalTime (+logisticEventDateTime)	
date	2011-01-18

PackageTotal (*)	
packageTypeCode	201
totalPackageQuantity	3
PackageTotal (*)	
packageTypeCode	211
totalPackageQuantity	2
TransportInstructionShipmentItem (*)	
lineItemNumber	1
LogisticUnit (*)	
sscc	373655661561900018
packageTypeCode	201
LogisticUnit (*)	
sscc	373655661561900025
packageTypeCode	201
LogisticUnit (*)	
sscc	373655661561900032
packageTypeCode	201
TransactionalTradeItem	
gtin	03736556615609
tradeItemQuantity	30
TransportInstructionShipmentItem (*)	
lineItemNumber	2
LogisticUnit (*)	
sscc	373655661561900049
packageTypeCode	211
tradeItemQuantity	10
LogisticUnit (*)	
sscc	373655661561900056
packageTypeCode	211
tradeItemQuantity	10
TransactionalTradeItem	
gtin	03736556615616
tradeItemQuantity	20

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IFTMIN		
(1)	UNH+ME00001+IFTMIN:D:01B:UN:EAN004'	■ Message header

IFTMIN		
(2)	BGM+610+TRINS00002+9'	<ul style="list-style-type: none"> ■ EntityIdentification (+transportInstructionIdentification) ■ documentStatusCode
(3)	DTM+137:20110112120000:204'	<ul style="list-style-type: none"> ■ creationDateTime
(3)	DTM+2:20110118:101'	<ul style="list-style-type: none"> ■ plannedDelivery/DateOptionalTim e
(4)	TSR++++12'	<ul style="list-style-type: none"> ■ cargoTypeCode
(6)	FTX+AAA+++General Cargo+EN'	<ul style="list-style-type: none"> ■ cargoTypeDescription
(7)	CNT+15:3.5:MTQ'	<ul style="list-style-type: none"> ■ totalGrossVolume
(7)	CNT+7:1500:KGM'	<ul style="list-style-type: none"> ■ totalGrossWeight
(7)	CNT+11:5:EA'	<ul style="list-style-type: none"> ■ totalPackageQuantity
(10) SG3	RFF+SRN:73655661561900123'	<ul style="list-style-type: none"> ■ gsin
(19) SG8	TDT+1++30'	<ul style="list-style-type: none"> ■ sequenceNumber ■ transportModeTypeCode
(21) SG9	LOC+5+:::Stockholm'	<ul style="list-style-type: none"> ■ plannedDeparture/logisticLocation
(22) SG9	DTM+136:20110114:102'	<ul style="list-style-type: none"> ■ plannedDeparture/DateOptionalTi me
(21) SG9	LOC+7+Lund'	<ul style="list-style-type: none"> ■ plannedArrival/logisticLocation
(25) SG11	NAD+CA+4048623000003::9'	<ul style="list-style-type: none"> ■ logisticServicesSeller
(25) SG11	NAD+CZ+7365566156190::9'	<ul style="list-style-type: none"> ■ Consignor ■ LogisticServicesBuyer
(25) SG11	NAD+CN+7300011234566::9'	<ul style="list-style-type: none"> ■ Consignee
(25) SG11	NAD+ST++Glimmervagen 125++Lund++22478+SE'	<ul style="list-style-type: none"> ■ ShipTo
(34) SG18	GID+1+3:201+30:CT'	<ul style="list-style-type: none"> ■ PackageTotal and Item Total
(40) SG18	PIA+5+03736556615609:SRV'	<ul style="list-style-type: none"> ■ gtin
(51) SG23	PCI+33E'	
(52) SG23	GIN+BJ+373655661561900018+373655661561900025+373655661561900032'	<ul style="list-style-type: none"> ■ ssc
(34) SG18	GID+2+2:211+20:CT'	<ul style="list-style-type: none"> ■ PackageTotal and Item Total
(40) SG18	PIA+5+03736556615616:SRV'	<ul style="list-style-type: none"> ■ gtin
(51) SG23	PCI+33E'	
(52) SG23	GIN+BJ+373655661561900049+373655661561900056'	<ul style="list-style-type: none"> ■ ssc
(69)	UNT+23+ME000001'	

6. About this Guide

Acknowledgements

GS1 would like to specially thank the following individuals for their contributions to this guide.

Name	Organization
Jaco Voorspuij	DHL
Fred Kempkes	Unilever
Mia Lenman	GS1 Sweden
Roman Strand	GS1 Germany
Coen Janssen	GS1 Global Office
Jean-Luc Champion	GS1 Global Office
Shan Welch	GS1 UK
Bonnie Ryan	GS1 Australia
Andrew Jones	General Mills

Maintenance

Maintenance of this guide is handled via the GS1 Global Standards Management Process (GSMP). In case you would like to suggest any changes or modifications to the guide please access the GSMP work request system <http://wr.gs1.org/>

Appendix A: EANCOM® segment descriptions

In this appendix, otherwise than in the main document, IFTMIN has been taken as the starting point of the comparison between XML Transport Instruction and EANCOM IFTMIN.

Per segment and data element the corresponding classes and data elements from the BMS Transport Instruction and Response are listed.

Segment number: 1

UNH - M 1 - Message header					
Function: To head, identify and specify a message.					
EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
0062	Message reference number	M an..14	M		Senders unique message reference. Sequence number of the messages in the interchange. DE 0062 in the UNT will be identical. Sender generated, e.g. ME000001.
S009	MESSAGE IDENTIFIER	M	M		
0065	Message type	M an..6	M	*	IFTMIN = Instruction message
0052	Message version number	M an..3	M	*	D = Draft version/UN/EDIFACT Directory
0054	Message release number	M an..3	M	*	01B = Release 2001 - B
0051	Controlling agency	M an..2	M	*	UN = UN/CEFACT
0057	Association assigned code	C an..6	R	*	EAN004 = GS1 version control number (GS1 Code) Indicates that the message is the EANCOM version 004 of the UNSM Transport Instruction.
0068	Common access reference	C an..35	N		
S010	STATUS OF THE TRANSFER	C	N		
0070	Sequence of transfers	M n..2	N		
0073	First and last transfer	C a1	N		

Segment Notes:
This segment is used to head, identify and specify a message.
DE's 0065, 0052, 0054, and 0051: Indicate that the message is a UNSM Transport Instruction message based on the D.01B directory under the control of the United Nations.

Example:
UNH+ME000001+IFTMIN:D:01B:UN:EAN004'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 2

BGM - M		1 - Beginning of message			
		Function:			
To indicate the type and function of a message and to transmit the identifying number.					
EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C002	DOCUMENT/MESSAGE NAME	C	R		
1001	Document name code	C an..3	R	*	340 = Shipping instructions 341 = Shipper's letter of instructions (air) 610 = Forwarding instructions
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
1000	Document name	C an..35	O		
C106	DOCUMENT/MESSAGE IDENTIFICATION	C	R		transportInstructionIdentification
1004	Document identifier	C an..35	R		Transport Instruction number assigned by The document sender. For global unique identification of documents Global Document Type Identifier (GDTI) is available.
1056	Version identifier	C an..9	N		
1060	Revision identifier	C an..6	N		
1225	Message function code	C an..3	R	*	<p>1 = Cancellation 5 = Replace 7 = Duplicate 9 = Original 31 = Copy 42 = Confirmation via specific means</p> <p>The message function, coded is a critical data element in this segment. It applies to all data indicated in the message. Consequently, one separate message has to be provided per type of function required. The following definitions apply for the restricted codes:</p> <p>1 = Cancellation - Cancel the original transport instruction message (original transport instruction reference specified in RFF SG3). When a transport instruction message is being cancelled all mandatory data (at message and detail levels) must be sent again for the message being cancelled which is identified using the RFF segment in group 3.</p> <p>5 = Replace - Cancel the original transport instruction message and replace with this transport instruction message (original transport instruction</p>

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 2

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
					reference is specified in RFF SG3). When a transport instruction message is being replaced all data pertaining to the consignment must be sent again for the message being replaced which is identified using the RFF segment in group 3. 7 = Duplicate - Re-transmission on the request of the receiver. 9 = Original - Original transmission of the transport instruction message. 31 = Copy - Copy of the transport instruction message for a third party for information purposes. 42 = Confirmation via other means - Confirmation of a previous instruction sent by means other than EDI.
4343	Response type code	C an..3	N		

Segment Notes:
This segment is used to indicate the type and function of a message and to transmit the identifying number.
All references other than the document number DE 1004 are to be put in the RFF segment.

Example:
BGM+610+569952+9'
[transportInstructionMessage/transportInstruction/transportInstructionIdentification](#)

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 3

DTM - C 9 - Date/time/period					
Function: To specify date, and/or time, or period.					
EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	<p>2 = Delivery date/time, requested 10 = Shipment date/time, requested 63 = Delivery date/time, latest 64 = Delivery date/time, earliest 137 = Document/message date/time 175 = Advise before date/time 179 = Booking date/time 200 = Pick-up/collection date/time of cargo 234 = Collection date/time, earliest 235 = Collection date/time, latest 351 = Inspection date 530 = Fumigation date and/or time</p>
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		<p>102 = CCYYMMDD 203 = CCYYMMDDHHMM 719 = CCYYMMDDHHMM- CCYYMMDDHHMM</p>

Segment Notes:
 This segment is used to specify the date of the Transport Instruction message.
 DE 2005: Identification of the 'Document/message date/time' (code value 137) is mandatory in an EANCOM message.

Example:
 DTM+137:20021201:102'
 transportInstructionMessage/transportInstruction/creationDateTime
 transportInstructionMessage/transportInstruction/lastUpdateDateTime
 transportInstructionMessage/transportInstruction/transportInstructionConsignment/plannedPickUp
 transportInstructionMessage/transportInstruction/transportInstructionConsignment/plannedDropOff
 transportInstructionMessage/transportInstruction/transportInstructionShipment/plannedDelivery
 transportInstructionMessage/transportInstruction/transportInstructionShipment/plannedDespatch

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 4

TSR - C		9 - Transport service requirements			
Tag	Name	St/Format	St	*	EANCOM
C536	CONTRACT AND CARRIAGE CONDITION	C	O		
4065	Contract and carriage condition code	M an..3	M		<p>2 = Special agreement for parcels transport 3 = Special agreement for full loading transport 4 = Combined transport 5 = FIATA combined transport bill of lading 11 = CMR carnet</p> <p>transportServiceConditionType transportServiceConditionType</p>
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
C233	SERVICE	C	O		
7273	Service requirement code	M an..3	M		<p>1 = Carrier loads 4 = Shipper loads</p> <p>logisticServiceRequirementCode transportServiceLevelCode</p>
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
7273	Service requirement code	C an..3	O		transportServiceLevelCode
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
C537	TRANSPORT PRIORITY	C	O		
4219	Transport service priority code	M an..3	M		<p>1 = Express 2 = High speed 3 = Normal speed</p>
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
C703	NATURE OF CARGO	C	O		cargoTypeCode
7085	Cargo type classification code	M an..3	M		11 = Hazardous cargo

* = Restricted Codes

St = Status

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User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 4

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
					12 = General cargo cargoTypeCode harmonizedSystemCode
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		

Segment Notes:

This segment is used to indicate any special contracts, services, priorities or nature of cargo in relation to the transport.

Example:

TSR+3+1'

[transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTerms](#)
[transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionTerms](#)
[transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionTerms/logisticService](#)
[transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionTerms/transportServiceConditionType](#)
[transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionTerms/transportServiceLevelCode](#)

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 5

MOA - C 99 - Monetary amount					
Function:					
To specify a monetary amount.					
EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C516	MONETARY AMOUNT	M	M		
5025	Monetary amount type code qualifier	M an..3	M		22 = Cash on delivery amount 40 = Customs value 44 = Declared value for carriage 157 = Insurance value
5004	Monetary amount	C n..35	R		
6345	Currency identification code	C an..3	O		
6343	Currency type code qualifier	C an..3	N		
4405	Status description code	C an..3	N		

Segment Notes:
This segment is used to specify insurance, customs or other values for the complete transport instruction message.

Example:
MOA+157:62112'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTerms/logisticService/insuranceValue
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportCargoCharacteristics/declaredValueForCustoms
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportCargoCharacteristics/associatedInvoiceAmount
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportCargoCharacteristics/associatedInvoiceAmount
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportCargoCharacteristics/declaredValueForCustoms

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 6

FTX - C 99 - Free text					
Function: To provide free form or coded text information.					
EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
4451	Text subject code qualifier	M an..3	M		AAI = General information BLR = Transport document remarks DEL = Delivery information HAN = Handling instructions PRD = Product information SIN = Special instructions ZZZ = Mutually defined
4453	Free text function code	C an..3	O		1 = Text for subsequent use
C107	TEXT REFERENCE	C	D		This composite is only used when trading partners have agreed to use mutually defined code values.
4441	Free text value code	M an..17	M		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		91 = Assigned by supplier or supplier's agent 92 = Assigned by buyer or buyer's agent
C108	TEXT LITERAL	C	D		This composite is only used if coded text can not be used.
4440	Free text value	M an..512	M		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
3453	Language name code	C an..3	D		ISO 639 two alpha code This data element is only used when non coded free text has been provided in data element C108.
4447	Free text format code	C an..3	N		
Segment Notes:					
This segment is used to provide free form or coded text information related to the entire message. Use of this segment in free form is not recommended since it may inhibit automatic processing of the Transport Instruction. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission overheads. Standard texts should be mutually defined between trading partners and can be used to cover legal or other requirements.					
Example: FTX+DEL+1+002::91' (Supplier assigned Code value 002 = Please ensure complete delivery on requested date.)					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 6

transportInstructionMessage/transportInstruction/transportInstructionConsignment/note
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionStatusCode
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionStatusDescription
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionStatusReasonCode
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionStatusReasonDescription
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportCargoCharacteristics/cargoTypeDescription
transportInstructionMessage/transportInstruction/transportInstructionConsignment/deliveryTerms/deliveryInstructions
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionStatusCode
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionStatusDescription
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionStatusReasonCode
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionStatusReasonDescription
transportInstructionMessage/transportInstruction/transportInstructionShipment/note
transportInstructionMessage/transportInstruction/transportInstructionShipment/deliveryTerms/deliveryInstructions
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportCargoCharacteristics/cargoTypeDescription

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 7

CNT - C 9 - Control total					
EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C270	CONTROL	M	M		
6069	Control total type code qualifier	M an..3	M		<p>7 = Total gross weight 11 = Total number of packages 15 = Total consignment, cube 16 = Total number of equipment</p> <p>When using value '15' in this data element the total specified in data element 6066 is arrived at by adding the values specified in data element 6314 of the MEA segment at goods item level when the GMC (Gross measurement cube) code is used in data element 6313 in the same MEA segment.</p> <p>When using code value '11' the total specified in data element 6066 is arrived at by adding the values specified only in the first occurrence of C213, data element 7224, of the GID segment.</p>
6066	Control total value	M n..18	M		
6411	Measurement unit code	C an..3	O		

Segment Notes:

This segment is used to provide message control information such as the total weight of the consignment, or, the total number of items in the consignment.

Example:

CNT+11:4'

transportInstructionMessage/transportInstruction/transportInstructionShipment/transportCargoCharacteristics/totalGrossVolume
 transportInstructionMessage/transportInstruction/transportInstructionShipment/transportCargoCharacteristics/totalGrossWeight
 transportInstructionMessage/transportInstruction/transportInstructionShipment/transportCargoCharacteristics/totalTransportNetWeight
 transportInstructionMessage/transportInstruction/transportInstructionShipment/transportCargoCharacteristics/totalChargeableWeight
 transportInstructionMessage/transportInstruction/transportInstructionShipment/transportCargoCharacteristics/declaredWeightForCustoms
 transportInstructionMessage/transportInstruction/transportInstructionShipment/transportCargoCharacteristics/totalLoadingLength
 transportInstructionMessage/transportInstruction/transportInstructionShipment/transportCargoCharacteristics/totalPackageQuantity
 transportInstructionMessage/transportInstruction/transportInstructionShipment/transportCargoCharacteristics/totalItemQuantity
 transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportCargoCharacteristics/totalGrossVolume
 transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportCargoCharacteristics/totalGrossWeight
 transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportCargoCharacteristics/totalTransportNetWeight
 transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportCargoCharacteristics/totalChargeableWeight
 transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportCargoCharacteristics/declaredWeightForCustoms
 transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportCargoCharacteristics/totalLoadingLength
 transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportCargoCharacteristics/totalPackageQuantity
 transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportCargoCharacteristics/totalItemQuantity

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,

A=Advised, N=Not used, X=Not used

Segment number: 8

SG2 - C 2 - TOD-LOC**TOD** - M 1 - Terms of delivery or transport

Function:

To specify terms of delivery or transport.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
4055	Delivery or transport terms function code	C an..3	R		6 = Delivery condition
4215	Transport charges payment method code	C an..3	O		CC = Collect PP = Prepaid (by seller)
C100	TERMS OF DELIVERY OR TRANSPORT	C	R		
4053	Delivery or transport terms description code	C an..3	R		incotermsCode alternateDeliveryTermsCode
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
4052	Delivery or transport terms description	C an..70	O		
4052	Delivery or transport terms description	C an..70	O		

Segment Notes:

This segment is used to specify the terms of delivery for the transport instruction.

Example:

TOD+6++CFR:2E:9'

Dependency Notes:

Data elements 1131 and 3055 are only used if specific terms of delivery codes are being used.

transportInstructionMessage/transportInstruction/transportInstructionConsignment/deliveryTerms
 transportInstructionMessage/transportInstruction/transportInstructionShipment/deliveryTerms

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 9

SG2	- C	2 - TOD-LOC			
LOC	- C	9 - Place/location identification			
Function:					
To identify a place or a location and/or related locations.					
EDIFACT		EANCOM			
Tag	Name	St/Format	St	*	Usage
3227	Location function code qualifier	M an..3	M	*	1 = Place of terms of delivery
C517	LOCATION IDENTIFICATION	C	A		
3225	Location name code	C an..25	A		The use of UN/LOCODES is the most appropriate means of identifying locations related to the terms of delivery.
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		3 = IATA (International Air Transport Association) DE 3055 must be used if DE 3225 is used and does not contain an UN/LOCODE.
3224	Location name	C an..256	O		
C519	RELATED LOCATION ONE IDENTIFICATION	C	N		
3223	First related location name code	C an..25	N		
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
3222	First related location name	C an..70	N		
C553	RELATED LOCATION TWO IDENTIFICATION	C	N		
3233	Second related location name code	C an..25	N		
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
3232	Second related location name	C an..70	N		
5479	Relation code	C an..3	N		
Segment Notes:					
This segment is used to indicate the location to which the terms of delivery are applicable.					
Example: LOC+1+BE-BRU'					
transportInstructionMessage/transportInstruction/transportInstructionConsignment/deliveryTerms/deliveryTermsLocation					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 9

transportInstructionMessage/transportInstruction/transportInstructionShipment/deliveryTerms/deliveryTermsLocation

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 10

SG3	- C	999 - RFF-DTM			
RFF	- M	1 - Reference			
Function:					
To specify a reference.					
EDIFACT		EANCOM			
Tag	Name	St/Format	St	*	Usage
C506	REFERENCE	M	M		
1153	Reference code qualifier	M an..3	M		<p>AWB = Air waybill number BN = Booking reference number CT = Contract number CU = Consignor's reference number HWB = House waybill number LC = Letter of credit number MWB = Master air waybill number TRI = Transport instruction number (GS1 Code)</p> <p>Code value 'TRI' is only used when codes values 1 (Cancellation) or 5 (Replacement) are used in data element 1225 of the BGM segment. The code value 'CU' is the common reference number for the consignment which is used in all transport messages (IFTMBF, IFTMIN, IFTMAN, etc).</p>
1154	Reference identifier	C an..70	R		
1156	Document line identifier	C an..6	N		
4000	Reference version identifier	C an..35	N		
1060	Revision identifier	C an..6	N		

Segment Notes:

This segment is used to specify references related to the complete transport instruction message.

Example:

RFF+CT:76214'

```
transportInstructionMessage/transportInstruction/transportInstructionConsignment/ginc
transportInstructionMessage/transportInstruction/transportInstruction/additionalConsignmentIdentification
transportInstructionMessage/transportInstruction/transportInstructionConsignment/parentConsignmentID
transportInstructionMessage/transportInstruction/transportInstructionConsignment/containedShipmentReference
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportReference
transportInstructionMessage/transportInstruction/transportInstructionShipment/gsin
transportInstructionMessage/transportInstruction/transportInstructionShipment/additionalShipmentIdentification
transportInstructionMessage/transportInstruction/transportInstructionShipment/parentShipmentID
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportReference
```

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 11

SG3	- C	999 - RFF-DTM			
DTM	- C	9 - Date/time/period			
Function:					
To specify date, and/or time, or period.					
EDIFACT					
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	171 = Reference date/time
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM 718 = CCYYMMDD-CCYYMMDD
Segment Notes:					
This segment is used to specify any dates related to the previous RFF segment.					
Example: DTM+171:20021125:102'					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 12

SG4	- C	9 - GOR-DTM-LOC-SEL-FTX-SG5			
GOR	- M	1 - Governmental requirements			
Function:					
To indicate the requirement for a specific governmental action and/or procedure or which specific procedure is valid for a specific part of the transport.					
Tag	Name	St/Format	St	*	Usage
8323	Transport movement code	C an..3	O		1 = Export 2 = Import 3 = Transit
C232	GOVERNMENT ACTION	C	R		
9415	Government agency identification code	C an..3	R		5 = Customs 7 = Health certificate 10 = Live animals
9411	Government involvement code	C an..3	O		6 = Required
9417	Government action code	C an..3	N		
9353	Government procedure code	C an..3	O		1 = Already customs cleared in the importing country 2 = Documents requirements completed 5 = Inspection arrangements required
C232	GOVERNMENT ACTION	C	O		
9415	Government agency identification code	C an..3	R		
9411	Government involvement code	C an..3	O		
9417	Government action code	C an..3	N		
9353	Government procedure code	C an..3	O		
C232	GOVERNMENT ACTION	C	O		
9415	Government agency identification code	C an..3	R		
9411	Government involvement code	C an..3	O		
9417	Government action code	C an..3	N		
9353	Government procedure code	C an..3	O		
C232	GOVERNMENT ACTION	C	O		
9415	Government agency identification code	C an..3	R		
9411	Government involvement code	C an..3	O		
9417	Government action code	C an..3	N		
9353	Government procedure code	C an..3	O		

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 12

Segment Notes:

This segment is used to indicate any applicable governmental procedures and required action related to the import, export or transit of the entire consignment, e.g. arrangements to be made for the inspection of the goods by customs at the time of export.

Example:

GOR+1+5:6::5'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,

A=Advised, N=Not used, X=Not used

Segment number: 13

SG4 - C 9 - GOR-DTM-LOC-SEL-FTX-SG5**DTM** - C 9 - **Date/time/period**

Function:

To specify date, and/or time, or period.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M		182 = Issue date 192 = Expiration date/time of customs document
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD

Segment Notes:
This segment is used to specify any dates or periods related to governmental procedures and/or documents for the entire consignment, e.g. the expiration date of the customs documents.

Example:
DTM+192:20020605:102'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 14

SG4 - C 9 - GOR-DTM-LOC-SEL-FTX-SG5**LOC** - C 9 - **Place/location identification**

Function:

To identify a place or a location and/or related locations.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
3227	Location function code qualifier	M an..3	M		42 = Customs office of exit 45 = Customs office of destination (transit)
C517	LOCATION IDENTIFICATION	C	A		
3225	Location name code	C an..25	A		UN/LOCODE
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		3 = IATA (International Air Transport Association) 9 = GS1 DE 3055 must be used if DE 3225 is used and does not contain an UN/LOCODE.
3224	Location name	C an..256	O		
C519	RELATED LOCATION ONE IDENTIFICATION	C	N		
3223	First related location name code	C an..25	N		
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
3222	First related location name	C an..70	N		
C553	RELATED LOCATION TWO IDENTIFICATION	C	N		
3233	Second related location name code	C an..25	N		
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
3232	Second related location name	C an..70	N		
5479	Relation code	C an..3	N		

Segment Notes:
This segment is used to identify any locations related to the governmental procedures for the entire consignment, e.g. the customs office at which the consignment leaves the country.

Example:

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 14

LOC+42+BE-BRU'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 15

SG4	- C	9 - GOR-DTM-LOC-SEL-FTX-SG5			
SEL	- C	9 - Seal number			
Function:					
To specify the seal number or a range of seal numbers.					
EDIFACT					
Tag	Name	St/Format	St	*	Usage
9308	Seal identifier	C an..35	R		
C215	SEAL ISSUER	C	R		
9303	Sealing party name code	C an..3	R		CA = Carrier CU = Customs SH = Shipper TO = Terminal operator
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
9302	Sealing party name	C an..35	O		
4517	Seal condition code	C an..3	O		
C208	IDENTITY NUMBER RANGE	C	N		
7402	Object identifier	M an..35	N		
7402	Object identifier	C an..35	N		
Segment Notes:					
This segment is used to specify a seal number and the sealing party, for the entire consignment, e.g. the carrier being responsible for sealing the truck.					
Example: SEL+4282+CA:::EUROLOG'					
Dependency Notes: The use of the SEL segment in the segment group 37 is recommended. Only if customs seals are involved in particular transport environments such as bonded goods the SEL segment in the segment group 4 should be used.					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 16

SG4	- C	9 - GOR-DTM-LOC-SEL-FTX-SG5			
FTX	- C	9 - Free text			
Function:					
To provide free form or coded text information.					
EDIFACT		EANCOM			
Tag	Name	St/Format	St	*	Usage
4451	Text subject code qualifier	M an..3	M		CIP = Customs clearance instruction import
4453	Free text function code	C an..3	O		1 = Text for subsequent use 3 = Text for immediate use
C107	TEXT REFERENCE	C	D		This composite is only used when trading partners have agreed to use mutually defined code values.
4441	Free text value code	M an..17	M		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		91 = Assigned by supplier or supplier's agent 92 = Assigned by buyer or buyer's agent
C108	TEXT LITERAL	C	D		This composite is only used if coded text can not be used.
4440	Free text value	M an..512	M		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
3453	Language name code	C an..3	D		ISO 639 two alpha code This data element is only used when non coded free text has been provided in data element C108.
4447	Free text format code	C an..3	N		

Segment Notes:
 This segment is used to specify additional information.
 Use of this segment in free form is not recommended since it may inhibit automatic processing of the Transport Instruction. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission and processing overheads. Standard texts should be mutually defined among trading partners and can be used to cover legal and other requirements.

Example:
 FTX+CIP+1+001::91'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 17

SG4	- C	9 - GOR-DTM-LOC-SEL-FTX-SG5			
SG5	- C	9 - DOC-DTM			
DOC	- M	1 - Document/message details			
Function:					
To identify documents and details directly related to it.					
EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C002	DOCUMENT/MESSAGE NAME	M	M		
1001	Document name code	C an..3	R		821 = Despatch note model T1 822 = Despatch note model T2
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
1000	Document name	C an..35	O		
C503	DOCUMENT/MESSAGE DETAILS	C	O		
1004	Document identifier	C an..35	R		
1373	Document status code	C an..3	O		2 = Accompanying goods 4 = To arrive by separate EDI message
1366	Document source description	C an..70	O		
3453	Language name code	C an..3	O		ISO 639 two alpha
1056	Version identifier	C an..9	N		
1060	Revision identifier	C an..6	N		
3153	Communication medium type code	C an..3	N		
1220	Document copies required quantity	C n..2	O		
1218	Document originals required quantity	C n..2	O		
Segment Notes:					
This segment is used to identify any documentation related to the entire consignment which is required by government, e.g. despatch note model T2 that ascertains that all goods of the consignment were originally produced in a country of the European Community.					
Example: DOC+822+12345:2'					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 18

SG4	- C	9 - GOR-DTM-LOC-SEL-FTX-SG5
SG5	- C	9 - DOC-DTM
DTM	- C	1 - Date/time/period

Function:

To specify date, and/or time, or period.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	7 = Effective date/time 36 = Expiry date 137 = Document/message date/time 273 = Validity period
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM 718 = CCYYMMDD-CCYYMMDD

Segment Notes:
This segment is used to specify any dates related to the previous DOC segment, e.g. date of the despatch note model T2.

Example:
DTM+137:20021210:102'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 19

SG8	- C	99 - TDT-DTM-SG9-SG10			
TDT	- M	1 - Details of transport			
Function:					
To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.					
EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
8051	Transport stage code qualifier	M an..3	M		10 = Pre-carriage transport 20 = Main-carriage transport 30 = On-carriage transport
8028	Means of transport journey identifier	C an..17	O		Reference number covering the transport.
C220	MODE OF TRANSPORT	C	A		
8067	Transport mode name code	C an..3	R		10 = Maritime transport 20 = Rail transport 30 = Road transport 40 = Air transport 60 = Multimodal transport <i>transportModeTypeCode</i>
8066	Transport mode name	C an..17	N		
C228	TRANSPORT MEANS	C	O		DE 8179 und 8178 werden nur dann benutzt, wenn der Transporttyp explizit identifiziert werden muss, d. h. wenn eine allgemeine Beschreibung, wie Straßentransport, nicht zutrifft.
8179	Transport means description code	C an..8	D		23 = Rail bulk car 25 = Rail express 31 = Truck 3138 = Armoured vehicle <i>transportMeansType</i>
8178	Transport means description	C an..17	D		
C040	CARRIER	C	O		<i>carrier</i>
3127	Carrier identifier	C an..17	A		Global Location Number GLN - Format n13
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		9 = GS1
3128	Carrier name	C an..35	O		
8101	Transit direction indicator code	C an..3	O		BS = Buyer to supplier SB = Supplier to buyer
C401	EXCESS TRANSPORTATION INFORMATION	C	N		
8457	Excess transportation reason	M an..3	N		

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 19

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
	code				
8459	Excess transportation responsibility code	M an..3	N		
7130	Customer shipment authorisation identifier	C an..17	N		
C222	TRANSPORT IDENTIFICATION	C	O		
8213	Transport means identification name identifier	C an..9	O		transportMeansID
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		DE 3055 must be used if DE 8213 is used.
8212	Transport means identification name	C an..35	R		Vehicle licence plate/Aircraft number transportMeansName
8453	Transport means nationality code	C an..3	O		ISO 3166 two alpha code
8281	Transport means ownership indicator code	C an..3	N		

Segment Notes:

This segment is used to indicate the transport means, and where necessary, the carrier to be used for the consignment for which a transport instruction is being issued. When used, it is mandatory to indicate the main carriage transport mode in this segment.

Example:

TDT+20++30+31'

Dependency Notes:

DE C228: DE 8179 and DE 8178 are only used when the type of transport must be specifically identified, that is, a generic description such as road transport is unsuitable.

[transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTransportMovement](#)
[transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTransportMovement/transportMeans](#)

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 20

SG8	- C	99 - TDT-DTM-SG9-SG10			
DTM	- C	9 - Date/time/period			
Function:					
To specify date, and/or time, or period.					
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M		133 = Departure date/time, estimated 190 = Transhipment date/time
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM

Segment Notes:
This segment is used to specify dates relating to the transport means.

Example:
DTM+133:200212151000:203'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTransportMovement/plannedDeparture
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTransportMovement/plannedArrival
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTransportMovement/plannedWaypoint

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 21

SG8 - C 99 - TDT-DTM-SG9-SG10**SG9** - C 99 - LOC-DTM**LOC** - M 1 - Place/location identification

Function:

To identify a place or a location and/or related locations.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
3227	Location function code qualifier	M an..3	M		9 = Place/port of loading 11 = Place/port of discharge
C517	LOCATION IDENTIFICATION	C	A		
3225	Location name code	C an..25	A		GLN - Format n13
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		9 = GS1 DE 3055 must be used if DE 3225 is used and does not contain an UN/LOCODE.
3224	Location name	C an..256	O		
C519	RELATED LOCATION ONE IDENTIFICATION	C	N		
3223	First related location name code	C an..25	N		
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
3222	First related location name	C an..70	N		
C553	RELATED LOCATION TWO IDENTIFICATION	C	N		
3233	Second related location name code	C an..25	N		
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
3232	Second related location name	C an..70	N		
5479	Relation code	C an..3	N		

Segment Notes:
This segment is used to identify locations relating to the transport details for the complete transport instruction.

Example:
LOC+9+5412345678908::9
[transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTransportMovement/plannedDeparture/](#)

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 21

```
logisticLocation
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTransportMovement/plannedArrival/
logisticLocation
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTransportMovement/plannedWaypoint/
logisticLocation
```

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 22

SG8	- C	99 - TDT-DTM-SG9-SG10
SG9	- C	99 - LOC-DTM
DTM	- C	9 - Date/time/period

Function:

To specify date, and/or time, or period.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M		133 = Departure date/time, estimated 136 = Departure date/time
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM

Segment Notes:
This segment is used to specify any dates related to the location identified for a specific stage of transport.

Example:
DTM+133:20021210:102'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 23

SG8	- C	99 - TDT-DTM-SG9-SG10
SG10	- C	9 - RFF-DTM
RFF	- M	1 - Reference

Function:

To specify a reference.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C506	REFERENCE	M	M		
1153	Reference code qualifier	M an..3	M		AWB = Air waybill number BM = Bill of lading number CMR = Road consignment note number RCN = Railway consignment note number
1154	Reference identifier	C an..70	R		
1156	Document line identifier	C an..6	N		
4000	Reference version identifier	C an..35	N		
1060	Revision identifier	C an..6	N		

Segment Notes:

This segment is used to specify references related to the transport details for the complete transport instruction.

Example:

RFF+AWB:2435362'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 24

SG8	- C	99 - TDT-DTM-SG9-SG10			
SG10	- C	9 - RFF-DTM			
DTM	- C	1 - Date/time/period			
Function:					
To specify date, and/or time, or period.					
EDIFACT					
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	171 = Reference date/time
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM 718 = CCYYMMDD-CCYYMMDD
Segment Notes:					
This segment is used to specify any dates related to the previous RFF segment.					
Example: DTM+171:20021210:102'					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 25

SG11	- M	99 - NAD-LOC-MOA-SG12-SG13-SG15			
NAD - M 1 - Name and address					
Function:					
To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.					
EDIFACT		EANCOM			
Tag	Name	St/Format	St	*	Usage
3035	Party function code qualifier	M an..3	M		CA = Carrier CG = Carrier's agent CN = Consignee CZ = Consignor DP = Delivery party FP = Freight/charges payer FW = Freight forwarder PW = Despatch party
C082	PARTY IDENTIFICATION DETAILS	C	A		
3039	Party identifier	M an..35	M		For identification of parties it is recommended to use GLN - Format n13.
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	R	*	9 = GS1
C058	NAME AND ADDRESS	C	O		This composite may only be used to fulfill the requirements of directive 2003/58/EC, article 4.
3124	Name and address description	M an..35	M		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
C080	PARTY NAME	C	D		
3036	Party name	M an..35	M		Party Name in clear text.
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3045	Party name format code	C an..3	O		
C059	STREET	C	D		
3042	Street and number or post office	M an..35	M		Building Name/Number and Street

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 25

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
	box identifier				
3042	Street and number or post office box identifier	C an..35	O		Name and/or P.O. Box
3042	Street and number or post office box identifier	C an..35	O		
3042	Street and number or post office box identifier	C an..35	O		
3164	City name	C an..35	D		City/Town, clear text.
C819	COUNTRY SUB-ENTITY DETAILS	C	D		
3229	Country sub-entity name code	C an..9	O		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	O		
3228	Country sub-entity name	C an..70	O		County/State, clear text.
3251	Postal identification code	C an..17	D		Postal Code
3207	Country name code	C an..3	D		ISO 3166 two alpha code

Segment Notes:

This segment is used to identify the trading partners involved in the Transport Instruction message. Identification of the Consignor and Carrier or Forwarder is mandatory in the Transport Instruction message. If required, a Consignee may also be identified using NAD at this level in the message.

Example:

NAD+PW+5412345000013::9'
NAD+CZ+5412345000020::9'

Dependency Notes:

The following composites and data elements are only used when a coded name and address can not be used. The affected composites and data elements are as follows:

C080 - C059 - 3164 - C819 - 3251 - 3207

transportInstructionMessage/transportInstruction/billTo
transportInstructionMessage/transportInstruction/logisticServicesBuyer
transportInstructionMessage/transportInstruction/logisticServicesSeller
transportInstructionMessage/transportInstruction/transportInstructionConsignment/consignor
transportInstructionMessage/transportInstruction/transportInstructionConsignment/consignee
transportInstructionMessage/transportInstruction/transportInstructionConsignment/notifyParty
transportInstructionMessage/transportInstruction/transportInstructionConsignment/pickUpParty
transportInstructionMessage/transportInstruction/transportInstructionConsignment/dropOffParty
transportInstructionMessage/transportInstruction/transportInstructionConsignment/exportAgent
transportInstructionMessage/transportInstruction/transportInstructionConsignment/importAgent
transportInstructionMessage/transportInstruction/transportInstructionShipment/receiver

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 25

```
transportInstructionMessage/transportInstruction/transportInstructionShipment/shipper
transportInstructionMessage/transportInstruction/transportInstructionShipment/carrier
transportInstructionMessage/transportInstruction/transportInstructionShipment/notifyParty
transportInstructionMessage/transportInstruction/transportInstructionShipment/shipTo
transportInstructionMessage/transportInstruction/transportInstructionShipment/shipFrom
transportInstructionMessage/transportInstruction/transportInstructionShipment/importAgent
transportInstructionMessage/transportInstruction/transportInstructionShipment/exportAgent
```

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 26

SG11 - M 99 - NAD-LOC-MOA-SG12-SG13-SG15**LOC** - C 9 - **Place/location identification**

Function:

To identify a place or a location and/or related locations.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
3227	Location function code qualifier	M an..3	M		7 = Place of delivery
C517	LOCATION IDENTIFICATION	C	A		
3225	Location name code	C an..25	A		GLN - Format n13
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		9 = GS1 DE 3055 must be used if DE 3225 is used and does not contain an UN/LOCODE.
3224	Location name	C an..256	O		
C519	RELATED LOCATION ONE IDENTIFICATION	C	N		
3223	First related location name code	C an..25	N		
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
3222	First related location name	C an..70	N		
C553	RELATED LOCATION TWO IDENTIFICATION	C	N		
3233	Second related location name code	C an..25	N		
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
3232	Second related location name	C an..70	N		
5479	Relation code	C an..3	N		

Segment Notes:
This segment is used to identify locations related to the party specified in the NAD segment.
It is recommended that Global Location Numbers GLN - Format n13 - be used for the identification of all locations.

Example:
LOC+7+5412345678908::9'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,

A=Advised, N=Not used, X=Not used

Segment number: 27

SG11 - M 99 - NAD-LOC-MOA-SG12-SG13-SG15**MOA** - C 9 - **Monetary amount**

Function:

To specify a monetary amount.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C516	MONETARY AMOUNT	M	M		
5025	Monetary amount type code qualifier	M an..3	M		22 = Cash on delivery amount 50 = Disbursements
5004	Monetary amount	C n..35	R		
6345	Currency identification code	C an..3	O		Use ISO 4217 three alpha.
6343	Currency type code qualifier	C an..3	N		
4405	Status description code	C an..3	N		

Segment Notes:

This segment is used to indicate monetary amounts for the party receiving the goods.

Example:

MOA+22:15000:EUR'

```
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionTerms/transportCollectChargeAmount
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionTerms/transportPickUpChargeAmount
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTerms/logisticService/
cashOnDeliveryAmount
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTerms/transportCollectChargeAmount
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionTerms/transportPickUpChargeAmount
```

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 28

SG11	- M	99 - NAD-LOC-MOA-SG12-SG13-SG15
SG12	- C	9 - CTA-COM
CTA	- M	1 - Contact information

Function:

To identify a person or a department to whom communication should be directed.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
3139	Contact function code	C an..3	R		IC = Information contact TR = Transport contact
C056	DEPARTMENT OR EMPLOYEE DETAILS	C	O		
3413	Department or employee name code	C an..17	O		
3412	Department or employee name	C an..35	O		

Segment Notes:
This segment is used to identify department and contact names within the party specified in the NAD segment.

Example:
CTA+TR+:G REID'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 29

SG11	- M	99 - NAD-LOC-MOA-SG12-SG13-SG15
SG12	- C	9 - CTA-COM
COM	- C	9 - Communication contact

Function:

To identify a communication number of a department or a person to whom communication should be directed.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C076	COMMUNICATION CONTACT	M	M		
3148	Communication address identifier	M an..512	M		
3155	Communication address code qualifier	M an..3	M		EM = Electronic mail FX = Fax TE = Telephone TL = Telex XF = X.400

Segment Notes:
This segment identifies the communications number and type of communications for the person or department identified in the previous CTA segment.

Example:
COM+0033148759632:FX'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 30

SG11	- M	99 - NAD-LOC-MOA-SG12-SG13-SG15
SG13	- C	9 - DOC-DTM
DOC	- M	1 - Document/message details

Function:

To identify documents and details directly related to it.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C002	DOCUMENT/MESSAGE NAME	M	M		
1001	Document name code	C an..3	R		811 = Export licence 911 = Import licence
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
1000	Document name	C an..35	N		
C503	DOCUMENT/MESSAGE DETAILS	C	O		
1004	Document identifier	C an..35	R		
1373	Document status code	C an..3	O		
1366	Document source description	C an..70	O		
3453	Language name code	C an..3	O		ISO 639 two alpha
1056	Version identifier	C an..9	N		
1060	Revision identifier	C an..6	N		
3153	Communication medium type code	C an..3	N		
1220	Document copies required quantity	C n..2	O		
1218	Document originals required quantity	C n..2	O		

Segment Notes:

This segment is used to identify any documentation related to the party identified in the NAD segment which must accompany the consignment.

Example:
DOC+811+1253D'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 31

SG11	- M	99 - NAD-LOC-MOA-SG12-SG13-SG15
SG13	- C	9 - DOC-DTM
DTM	- C	1 - Date/time/period

Function:

To specify date, and/or time, or period.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	7 = Effective date/time 36 = Expiry date 137 = Document/message date/time 273 = Validity period
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM 718 = CCYYMMDD-CCYYMMDD

Segment Notes:
This segment is used to specify any dates related to the previous DOC segment.

Example:
DTM+137:20021210:102'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 32

SG11	- M	99 - NAD-LOC-MOA-SG12-SG13-SG15
SG15	- C	9 - RFF-DTM
RFF	- M	1 - Reference

Function:

To specify a reference.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C506	REFERENCE	M	M		
1153	Reference code qualifier	M an..3	M	*	YC1 = Additional party identification (GS1 Code) GN = Government reference number VA = VAT registration number XA = Company/place registration number
1154	Reference identifier	C an..70	R		
1156	Document line identifier	C an..6	N		
4000	Reference version identifier	C an..35	N		
1060	Revision identifier	C an..6	N		

Segment Notes:

This segment is used to provide references related to the party identified in the NAD segment.

Example:

RFF+YC1:6532'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 33

SG11	- M	99 - NAD-LOC-MOA-SG12-SG13-SG15
SG15	- C	9 - RFF-DTM
DTM	- C	9 - Date/time/period

Function:

To specify date, and/or time, or period.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	171 = Reference date/time
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM 718 = CCYYMMDD-CCYYMMDD

Segment Notes:
This segment is used to specify dates relating to the references given in the previous RFF segment.

Example:
DTM+171:20021125:102'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 34

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32						
GID	- M	1 - Goods item details						
Function:								
To indicate totals of a goods item.								
EDIFACT			EANCOM					
Tag	Name	St/Format	St	*	Usage			
1496	Goods item number	C n..5	R		Application number identifying items within the current consignment. <i>lineItemNumber</i> <i>lineItemNumber</i>			
C213	NUMBER AND TYPE OF PACKAGES	C	R		Despatch units are identified in the first occurrence of this composite.			
7224	Package quantity	C n..8	R					
7065	Package type description code	C an..17	O		09 = Returnable pallet (GS1 Code) 201 = Pallet ISO 1 - 1/1 EURO Pallet (GS1 Code) CT = Carton PK = Package			
1131	Code list identification code	C an..17	N					
3055	Code list responsible agency code	C an..3	D	*	9 = GS1			
7064	Type of packages	C an..35	N					
7233	Packaging related description code	C an..3	N					
C213	NUMBER AND TYPE OF PACKAGES	C	O		packageTotal			
7224	Package quantity	C n..8	O					
7065	Package type description code	C an..17	O		09 = Returnable pallet (GS1 Code) 201 = Pallet ISO 1 - 1/1 EURO Pallet (GS1 Code) CT = Carton PK = Package			
1131	Code list identification code	C an..17	N					
3055	Code list responsible agency code	C an..3	D	*	9 = GS1 This data element is only used with the code value '9' if the code value in data element 7065 is an GS1 code.			
7064	Type of packages	C an..35	N					
7233	Packaging related description code	C an..3	N					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 34

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C213	NUMBER AND TYPE OF PACKAGES	C	O		
7224	Package quantity	C n..8	O		
7065	Package type description code	C an..17	O		09 = Returnable pallet (GS1 Code) 201 = Pallet ISO 1 - 1/1 EURO Pallet (GS1 Code) CT = Carton PK = Package
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	D	*	9 = GS1
7064	Type of packages	C an..35	N		
7233	Packaging related description code	C an..3	N		
C213	NUMBER AND TYPE OF PACKAGES	C	O		
7224	Package quantity	C n..8	O		
7065	Package type description code	C an..17	O		09 = Returnable pallet (GS1 Code) 201 = Pallet ISO 1 - 1/1 EURO Pallet (GS1 Code) CT = Carton PK = Package
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	D	*	9 = GS1
7064	Type of packages	C an..35	N		
7233	Packaging related description code	C an..3	N		
C213	NUMBER AND TYPE OF PACKAGES	C	O		
7224	Package quantity	C n..8	O		
7065	Package type description code	C an..17	O		09 = Returnable pallet (GS1 Code) 201 = Pallet ISO 1 - 1/1 EURO Pallet (GS1 Code) CT = Carton PK = Package
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	D	*	9 = GS1
7064	Type of packages	C an..35	N		

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 34

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
7233	Packaging related description code	C an..3	N		

Segment Notes:

This segment is the trigger segment for the detail section of the transport instruction message. It is used to specify the number and type of packaging for the goods item.

Within the GID segment it is possible to identify up to 5 levels of packaging hierarchy for the transport goods item.
Despatch units are identified in the first occurrence of C213.

Example:

DE 3055: Dieses Datenelement wird nur zusammen mit dem Codewert '9' benutzt, wenn im DE 7065 ein GS1-Code verwendet wird.

GID+1+1:09::9+6:CT'

(The top level is returnable pallet which contains a second level of 6 cartons.)

[transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem](#)

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,

A=Advised, N=Not used, X=Not used

Segment number: 35

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32			
HAN	- C	99 - Handling instructions			
Function:					
To specify handling and where necessary, notify hazards.					
EDIFACT					
Tag	Name	St/Format	St	*	Usage
C524	HANDLING INSTRUCTIONS	C	A		
4079	Handling instruction description code	C an..3	R		BIG = Outsized (GS1 Code) CRU = Crushable (GS1 Code) EAT = Foodstuffs (GS1 Code) HGA = Hanging garment (GS1 Code) HWC = Handle with care (GS1 Code) STR = Stacking restricted (GS1 Code) UST = Unstackable (GS1 Code)
1131	Code list identification code	C an..17	A		
3055	Code list responsible agency code	C an..3	D	*	9 = GS1 60 = Assigned by national trade agency DE 3055 must be used if DE 4079 is used and does not contain an UN/EDIFACT code.
4078	Handling instruction description	C an..70	O		
C218	HAZARDOUS MATERIAL	C	O		The identification of hazardous materials is carried out using the DGS and FTX segments at goods item level.
7419	Hazardous material category name code	C an..7	D		The preferred way to provide 'ADR international classification' or 'Hazardous material standard text' is to use DE 1131. Used to provide the material class code of an organization.
1131	Code list identification code	C an..17	O		ADR = Accord Europeen au transport international dangereuses (GS1 Code) HMT = Hazardous material standard text (GS1 Code)
3055	Code list responsible agency code	C an..3	D	*	9 = GS1
7418	Hazardous material category name	C an..35	O		To be used when no code value is available for DE7419.
Segment Notes:					
This segment is used to provide handling instructions relevant to the transport line item identified in the GID segment.					
Example: HAN+EAT::9'					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 35

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/handlingInstruction

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 36

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
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TMP	- C	1 - Temperature
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Function:

To specify the temperature setting.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
6245	Temperature type code qualifier	M an..3	M		1 = Storage temperature 2 = Transport temperature
C239	TEMPERATURE SETTING	C	R		
6246	Temperature value	C n..15	R		
6411	Measurement unit code	C an..3	O		CEL = degree celsius FAH = degree Fahrenheit

Segment Notes:

This segment is used to specify a temperature setting related to the current goods item.

Example:

TMP+1+40:CEL'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/handlingInstruction/
transportTemperaturetransportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/handlingInstruction/
storageTemperature

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,

A=Advised, N=Not used, X=Not used

Segment number: 37

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
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RNG	- C	1 - Range details
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Function:

To identify a range.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
6167	Range type code qualifier	M an..3	M	*	5 = Temperature range
C280	RANGE	C	R		
6411	Measurement unit code	M an..3	M		CEL = degree celsius FAH = degree Fahrenheit
6162	Range minimum value	C n..18	R		
6152	Range maximum value	C n..18	O		

Segment Notes:

This segment is used to specify a temperature range related to the current goods item.

Example:

RNG+5+CEL:40:45'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 38

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
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LOC	- C	9 - Place/location identification
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Function:

To identify a place or a location and/or related locations.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
3227	Location function code qualifier	M an..3	M		27 = Country of origin
C517	LOCATION IDENTIFICATION	C	A		
3225	Location name code	C an..25	A		For country identification see ISO 3166 two alpha code, DE 3207
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		5 = ISO (International Organization for Standardization) 9 = GS1 DE 3055 must be used if DE 3225 is used and does not contain an UN/LOCODE.
3224	Location name	C an..256	O		
C519	RELATED LOCATION ONE IDENTIFICATION	C	N		
3223	First related location name code	C an..25	N		
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
3222	First related location name	C an..70	N		
C553	RELATED LOCATION TWO IDENTIFICATION	C	N		
3233	Second related location name code	C an..25	N		
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
3232	Second related location name	C an..70	N		
5479	Relation code	C an..3	N		

Segment Notes:

This segment is used to indicate locations relevant to the current goods item line.

Example:

LOC+27+BE::5'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 38

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
transportCargoCharacteristics/countryOfOriginCode
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
transportCargoCharacteristics/finalDestinationCountry

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 39

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
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MOA	- C	9 - Monetary amount
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Function:

To specify a monetary amount.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C516	MONETARY AMOUNT	M	M		
5025	Monetary amount type code qualifier	M an..3	M		40 = Customs value 44 = Declared value for carriage 157 = Insurance value
5004	Monetary amount	C n..35	R		
6345	Currency identification code	C an..3	O		ISO 4217 three alpha
6343	Currency type code qualifier	C an..3	N		
4405	Status description code	C an..3	N		

Segment Notes:

This segment is used to specify the value of the goods item for customs, insurance or other valuation purposes.

Example:

MOA+40:45300:EUR'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/ transportCargoCharacteristics/associatedInvoiceAmount transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/ transportCargoCharacteristics/declaredValueForCustoms
--

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,

A=Advised, N=Not used, X=Not used

Segment number: 40

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32			
PIA	- C	9 - Additional product id			
Function:					
To specify additional or substitutional item identification codes.					
EDIFACT					
Tag	Name	St/Format	St	*	Usage
4347	Product identifier code qualifier	M an..3	M	*	<p>1 = Additional identification 5 = Product identification</p> <p>Product Id function, coded has the following restricted coded functions: 1 = Additional Identification - To provide additional identifications for the goods item specified in the GID segment, e.g. harmonised system codes. 5 = Product Identification - To provide global trade item number(s) of the products contained in the current goods item identified in the GID segment.</p>
C212	ITEM NUMBER IDENTIFICATION	M	M		
7140	Item identifier	C an..35	R		<p>harmonizedSystemCode gtin additionalTradeItemIdentification</p>
7143	Item type identification code	C an..3	R		<p>HS = Harmonised system SRV = GS1 Global Trade Item Number</p>
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		<p>9 = GS1 89 = Assigned by distributor 91 = Assigned by supplier or supplier's agent 92 = Assigned by buyer or buyer's agent</p>
C212	ITEM NUMBER IDENTIFICATION	C	O		
7140	Item identifier	C an..35	R		
7143	Item type identification code	C an..3	R		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
C212	ITEM NUMBER IDENTIFICATION	C	O		
7140	Item identifier	C an..35	R		
7143	Item type identification code	C an..3	R		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 40

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C212	ITEM NUMBER IDENTIFICATION	C	O		
7140	Item identifier	C an..35	R		
7143	Item type identification code	C an..3	R		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
C212	ITEM NUMBER IDENTIFICATION	C	O		
7140	Item identifier	C an..35	R		
7143	Item type identification code	C an..3	R		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		

Segment Notes:

This segment is used to specify identification codes relating to the goods item for which a transport instruction is being issued.

Code values provided in this segment are provided for information purposes and not for the identification of the goods to be consigned. The identification of the goods to be consigned is carried out in the GID segment.

Example:

PIA+1+HS003211:HS'

PIA+5+5410738251028:SRV'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 41

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32			
FTX	- C	99 - Free text			
Function:					
To provide free form or coded text information.					
EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
4451	Text subject code qualifier	M an..3	M		AAA = Goods description AAI = General information DEL = Delivery information SIN = Special instructions ZZZ = Mutually defined
4453	Free text function code	C an..3	O		1 = Text for subsequent use
C107	TEXT REFERENCE	C	D		This composite is only used when trading partners have agreed to use mutually defined code values.
4441	Free text value code	M an..17	M		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		9 = GS1 91 = Assigned by supplier or supplier's agent 92 = Assigned by buyer or buyer's agent
C108	TEXT LITERAL	C	D		This composite is only used if coded text can not be used.
4440	Free text value	M an..512	M		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
3453	Language name code	C an..3	D		ISO 639 two alpha code This data element is only used when non coded free text has been provided in data element C108.
4447	Free text format code	C an..3	N		
Segment Notes:					
<p>This segment is used to provide free form or coded text information related to the goods item. Use of this segment in free form is not recommended since it may inhibit automatic processing of the Transport Instruction. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission overheads. Standard texts should be mutually defined between trading partners and can be used to cover legal or other requirements.</p> <p>Note 1: All free text descriptive data for the goods item must be placed in this segment using code value 'AAA' in data element 4451.</p>					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 41

Example:

FTX+AAA+++CONSUMER ELECTRONICS'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/note
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionShipmentItem/note
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionShipmentItem/transactionalTradeItem/
tradeItemDescription

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 42

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG19	- C	9 - NAD-DTM
NAD	- M	1 - Name and address

Function:

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
3035	Party function code qualifier	M an..3	M	*	DP = Delivery party PW = Despatch party
C082	PARTY IDENTIFICATION DETAILS	C	A		
3039	Party identifier	M an..35	M		For identification of parties it is recommended to use GLN - Format n13.
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	R	*	9 = GS1
C058	NAME AND ADDRESS	C	O		This composite may only be used to fulfill the requirements of directive 2003/58/EC, article 4.
3124	Name and address description	M an..35	M		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
C080	PARTY NAME	C	D		Party Name in clear text.
3036	Party name	M an..35	M		
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3045	Party name format code	C an..3	O		
C059	STREET	C	D		
3042	Street and number or post office box identifier	M an..35	M		Building Name/Number and Street
3042	Street and number or post office box identifier	C an..35	O		Name and/or P.O. Box

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 42

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
3042	Street and number or post office box identifier	C an..35	O		
3042	Street and number or post office box identifier	C an..35	O		
3164	City name	C an..35	D		City/Town, clear text.
C819	COUNTRY SUB-ENTITY DETAILS	C	D		
3229	Country sub-entity name code	C an..9	O		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	O		
3228	Country sub-entity name	C an..70	O		County/State, clear text.
3251	Postal identification code	C an..17	D		Postal Code
3207	Country name code	C an..3	D		ISO 3166 two alpha code

Segment Notes:

This segment is used to identify parties related to the despatch and delivery of the current goods item. Information provided here will override similar information provided at the heading level (group 11) when the same qualifier is used.

Only two repetitions of this segment are allowed per goods item.

Example:

```
NAD+PW+5411234512309::9'  
NAD+DP+5412345123453::9'
```

Dependency Notes:

The following composites and data elements are only used when a coded name and address can not be used. The affected composites and data elements are as follows:

C080 - C059 - 3164 - C819 - 3251 - 3207

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 43

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG19	- C	9 - NAD-DTM
DTM	- C	1 - Date/time/period

Function:

To specify date, and/or time, or period.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	2 = Delivery date/time, requested 10 = Shipment date/time, requested 63 = Delivery date/time, latest 64 = Delivery date/time, earliest 179 = Booking date/time 186 = Departure date/time, actual 191 = Delivery date/time, expected 200 = Pick-up/collection date/time of cargo
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM 719 = CCYYMMDDHHMM- CCYYMMDDHHMM

Segment Notes:
 This segment is used to specify dates and times relating to the despatch or delivery parties specified in the previous NAD segment.

Example:
 DTM+191:20021220:102'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 44

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
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GDS	- C	9 - Nature of cargo
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Function:

To indicate the type of cargo as a general classification.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C703	NATURE OF CARGO	C	R		
7085	Cargo type classification code	M an..3	M		11 = Hazardous cargo 12 = General cargo <i>cargoTypeCode</i>
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		

Segment Notes:

This segment is used to specify the exact nature of the goods.

Example:
GDS+11'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 45

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32			
SG20	- C	99 - MEA-EQN			
MEA	- M	1 - Measurements			
Function:					
To specify physical measurements, including dimension tolerances, weights and counts.					
EDIFACT					
Tag	Name	St/Format	St	*	Usage
6311	Measurement purpose code qualifier	M an..3	M		<p>AAE = Measurement CHW = Chargeable weight LMT = Loading metre</p>
C502	MEASUREMENT DETAILS	C	A		
6313	Measured attribute code	C an..3	A		<p>AAB = Unit gross weight AAW = Gross volume G = Gross weight AFF = Gross measure cube LN = Length dimension NPP = Number of pallet places (GS1 Code) PMC = Package net measurement cube (GS1 Code) T = Tare weight</p> <p>This qualifier determines the measurement value to be applied either to one single despatch unit of the goods item or to a number of despatch units of the goods item.</p> <p>When Unit Gross Weight is provided in this segment the measurement provided relates to the total gross weight of one single despatch unit in the goods item. The number of despatch units of the goods item that all have the same quoted gross weight is specified in the EQN segment when different from the number of despatch units specified in the GID segment.</p> <p>When Gross Weight is provided the measurement relates to the total gross weight of a number of despatch units in the goods item. The number of despatch units of the goods item that together have the quoted gross weight is specified in the EQN segment when different from the number of despatch units specified in the GID segment.</p>
6321	Measurement significance code	C an..3	O		<p>3 = Approximately 4 = Equal to</p>
6155	Non-discrete measurement name code	C an..17	N		
6154	Non-discrete measurement name	C an..70	N		

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 45

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C174	VALUE/RANGE	C	R		
6411	Measurement unit code	M an..3	M		KGM = kilogram LTR = litre MTR = metre MTQ = cubic metre PCE = Piece (GS1 Code) TNE = tonne (metric ton)
6314	Measurement value	C an..18	O		
6162	Range minimum value	C n..18	O		
6152	Range maximum value	C n..18	O		
6432	Significant digits quantity	C n..2	O		
7383	Surface or layer code	C an..3	O		

Segment Notes:

This segment is used to specify a measurement for the goods identified in the GID segment. All measurements given in the MEA segments relate to the highest level of packaging (the despatch units) identified in the GID segment.

Example:

MEA+CHW+G+KGM:1600'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
transportCargoCharacteristics/totalGrossVolume
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
transportCargoCharacteristics/totalGrossWeight
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
transportCargoCharacteristics/totalTransportNetWeight
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
transportCargoCharacteristics/totalChargeableWeight
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
transportCargoCharacteristics/declaredWeightForCustoms
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
transportCargoCharacteristics/totalLoadingLength

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 46

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG20	- C	99 - MEA-EQN
EQN	- C	1 - Number of units

Function:

To specify the number of units.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C523	NUMBER OF UNIT DETAILS	M	M		
6350	Units quantity	C n..15	R		
6353	Unit type code qualifier	C an..3	N		

Segment Notes:

This segment is used to specify the number of packages (despatch units) within the goods item to which the measurement applies.

Example:

EQN+10'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
 transportCargoCharacteristics/totalPackageQuantity
 transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
 transportCargoCharacteristics/totalItemQuantity

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
 A=Advised, N=Not used, X=Not used

Segment number: 47

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG21	- C	99 - DIM-EQN
DIM	- M	1 - Dimensions

Function:

To specify dimensions.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
6145	Dimension type code qualifier	M an..3	M		<p>1 = Gross dimensions 10E = Unit gross dimensions (GS1 Code)</p> <p>This qualifier determines the dimension values to be applied either to one single despatch unit of the goods item or to a number of despatch units of the goods item.</p> <p>When Unit Gross Dimensions are provided in this segment the dimension values provided relate to the total gross dimensions of one single despatch unit in the goods item. The number of despatch units of the goods item that all have the same quoted gross dimensions is specified in the EQN segment when different from the number of despatch units specified in the GID segment.</p> <p>When Gross Dimensions are provided the dimension values relate to the total gross dimension of a number of despatch units in the goods item.</p> <p>The number of despatch units of the goods item that together have the quoted gross dimension is specified in the EQN segment when different from the number of despatch units specified in the GID segment.</p>
C211	DIMENSIONS	M	M		
6411	Measurement unit code	M an..3	M		MTR = metre
6168	Length dimension value	C n..15	O		
6140	Width dimension value	C n..15	O		
6008	Height dimension value	C n..15	O		

Segment Notes:

This segment is used to indicate the dimensions of the goods item identified in the GID segment. All dimensions given in the DIM segments relate to the highest level packaging (the despatch units) identified in the GID segment.

Example:

DIM+1+MTR:4:2:2'

[transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/transportCargoCharacteristics](#)

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 48

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32			
SG21	- C	99 - DIM-EQN			
EQN	- C	1 - Number of units			
Function:					
To specify the number of units.					
EDIFACT					
Tag	Name	St/Format	St	*	Usage
C523	NUMBER OF UNIT DETAILS	M	M		
6350	Units quantity	C n..15	R		
6353	Unit type code qualifier	C an..3	N		
Segment Notes:					
This segment is used to specify the number of packages (despatch units) within the goods items to which the dimensions apply.					
Example: EQN+40'					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 49

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG22	- C	9 - RFF-DTM
RFF	- M	1 - Reference

Function:

To specify a reference.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C506	REFERENCE	M	M		
1153	Reference code qualifier	M an..3	M		AWB = Air waybill number CT = Contract number HWB = House waybill number MWB = Master air waybill number
1154	Reference identifier	C an..70	R		
1156	Document line identifier	C an..6	N		
4000	Reference version identifier	C an..35	N		
1060	Revision identifier	C an..6	N		

Segment Notes:

This segment is used to specify references which are applicable to the current goods item only.

Example:

RFF+CT:52441'

[transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/transportReference](#)

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 50

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG22	- C	9 - RFF-DTM
DTM	- C	9 - Date/time/period

Function:

To specify date, and/or time, or period.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	171 = Reference date/time
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM 718 = CCYYMMDD-CCYYMMDD

Segment Notes:

This segment is used to indicate dates relevant to the references specified in the previous RFF segment.

Example:

DTM+171:20021010:102'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 51

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32			
SG23	- C	999 - PCI-GIN			
PCI	- M	1 - Package identification			
Function:					
To specify markings and labels on individual packages or physical units.					
EDIFACT					
Tag	Name	St/Format	St	*	Usage
4233	Marking instructions code	C an..3	R		17 = Supplier's instructions 18 = Carrier's instructions 33E = Marked with serial shipping container code (GS1 Code)
C210	MARKS & LABELS	C	O		
7102	Shipping marks description	M an..35	M		
7102	Shipping marks description	C an..35	O		
7102	Shipping marks description	C an..35	O		
7102	Shipping marks description	C an..35	O		
7102	Shipping marks description	C an..35	O		
7102	Shipping marks description	C an..35	O		
7102	Shipping marks description	C an..35	O		
7102	Shipping marks description	C an..35	O		
7102	Shipping marks description	C an..35	O		
8275	Container or package contents indicator code	C an..3	N		
C827	TYPE OF MARKING	C	N		
7511	Marking type code	M an..3	N		
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
Segment Notes:					
This segment is used to specify markings and labels which have been marked on the packaging of the current goods item.					
Example: PCI+33E'					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 52

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG23	- C	999 - PCI-GIN
GIN	- C	10 - Goods identity number

Function:

To give specific identification numbers, either as single numbers or ranges.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
7405	Object identification code qualifier	M an..3	M	*	BJ = Serial shipping container code In EANCOM it is required to use the Serial Shipping Container Code (SSCC's) for unique identification of individual transport packages.
C208	IDENTITY NUMBER RANGE	M	M		
7402	Object identifier	M an..35	M		
7402	Object identifier	C an..35	O		
C208	IDENTITY NUMBER RANGE	C	O		
7402	Object identifier	M an..35	M		
7402	Object identifier	C an..35	O		
C208	IDENTITY NUMBER RANGE	C	O		
7402	Object identifier	M an..35	M		
7402	Object identifier	C an..35	O		
C208	IDENTITY NUMBER RANGE	C	O		
7402	Object identifier	M an..35	M		
7402	Object identifier	C an..35	O		
C208	IDENTITY NUMBER RANGE	C	O		
7402	Object identifier	M an..35	M		
7402	Object identifier	C an..35	O		

Segment Notes:

This segment is used to provide the Serial Shipping Container Code marked on the packaging of the current goods item.

Example:

GIN+BJ+354123450000000014'

```
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/logisticUnit/sscc
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/logisticUnit/
additionalLogisticUnitIdentification
transportInstructionMessage/transportInstruction/transportInstructionShipment/transportInstructionShipmentItem/logisticUnit
```

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 53

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG24	- C	9 - DOC-DTM
DOC	- M	1 - Document/message details

Function:

To identify documents and details directly related to it.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C002	DOCUMENT/MESSAGE NAME	M	M		
1001	Document name code	C an..3	R		811 = Export licence 911 = Import licence
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
1000	Document name	C an..35	N		
C503	DOCUMENT/MESSAGE DETAILS	C	O		
1004	Document identifier	C an..35	R		
1373	Document status code	C an..3	O		2 = Accompanying goods
1366	Document source description	C an..70	O		
3453	Language name code	C an..3	O		ISO 639 two alpha
1056	Version identifier	C an..9	N		
1060	Revision identifier	C an..6	N		
3153	Communication medium type code	C an..3	N		
1220	Document copies required quantity	C n..2	O		
1218	Document originals required quantity	C n..2	O		

Segment Notes:

This segment is used to specify documents which are required for the current transport goods item only and which must accompany the consignment.

Example:
DOC+811+52441'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,

A=Advised, N=Not used, X=Not used

Segment number: 54

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG24	- C	9 - DOC-DTM
DTM	- C	9 - Date/time/period

Function:

To specify date, and/or time, or period.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	7 = Effective date/time 36 = Expiry date 137 = Document/message date/time 273 = Validity period
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM 718 = CCYYMMDD-CCYYMMDD

Segment Notes:

This segment is used to specify dates relating to the documents identified in the previous DOC segment.

Example:

DTM+36:20020101:102'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,

A=Advised, N=Not used, X=Not used

Segment number: 55

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG29	- C	999 - SGP
SGP	- M	1 - Split goods placement

Function:

To specify the placement of goods in relation to equipment.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C237	EQUIPMENT IDENTIFICATION	M	M		
8260	Equipment identifier	C an..17	R		The value in DE 8260 indicates the identity number of the equipment in/on which the goods item is transported. <i>returnableAssetTypeIdentification</i> <i>individualReturnableAssetIdentification</i> <i>individualAssetIdentification</i>
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
3207	Country name code	C an..3	N		
7224	Package quantity	C n..8	O		

Segment Notes:

This segment is used to specify the placement of the goods item in equipment used to transport the consignment.

Example:

SGP+45223+1'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/referencedTransportEquipment

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 56

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG32	- C	99 - DGS-FTX-SG33-SG34
DGS	- M	1 - Dangerous goods

Function:

To identify dangerous goods.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
8273	Dangerous goods regulations code	C an..3	R		ADR = European agreement regarding the total carriage of dangerous goods CFR = 49 code of federal regulations ICA = IATA ICAO RID = Rail/road dangerous goods book (RID) dangerousGoodsRegulationCode
C205	HAZARD CODE	C	O		
8351	Hazard identification code	M an..7	M		Classification according ADR/RID rules dangerousGoodsHazardClass
8078	Additional hazard classification identifier	C an..7	O		Additional according ADR/RID rules
8092	Hazard code version identifier	C an..10	O		
C234	UNDG INFORMATION	C	O		
7124	United Nations Dangerous Goods (UNDG) identifier	C n4	O		dangerousGoodsUNIdentifier
7088	Dangerous goods flashpoint value	C an..8	O		Declaration of the flashpoint.
C223	DANGEROUS GOODS SHIPMENT FLASHPOINT	C	O		
7106	Shipment flashpoint value	C n3	O		
6411	Measurement unit code	C an..3	O		CEL = degree celsius
8339	Packaging danger level code	C an..3	O		1 = Great danger 2 = Medium danger 3 = Minor danger
8364	Emergency procedure for ships identifier	C an..6	O		Only for emergency procedure on ships.
8410	Hazard medical first aid guide identifier	C an..4	O		
8126	Transport emergency card identifier	C an..10	O		TREM card number according ADR.
C235	HAZARD IDENTIFICATION	C	O		

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 56

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
PLACARD DETAILS					
8158	Orange hazard placard upper part identifier	C an..4	O		Danger signs upper part.
8186	Orange hazard placard lower part identifier	C an4	O		Danger signs lower part.
C236	DANGEROUS GOODS LABEL	C	O		According ADR, FID, IMDG-code, IATA-DGR.
8246	Dangerous goods marking identifier	C an..4	O		Number of dangerous goods document primary hazard.
8246	Dangerous goods marking identifier	C an..4	O		Number of dangerous goods document secondary hazard.
8246	Dangerous goods marking identifier	C an..4	O		
8255	Packing instruction type code	C an..3	O		
8325	Hazardous means of transport category code	C an..3	O		Only used by air carrier.
8211	Hazardous cargo transport authorisation code	C an..3	O		

Segment Notes:
This segment is used to indicate whether the goods item contains any dangerous goods.

Example:
DGS+ADR+3B+1178+021:CEL'
[transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/dangerousGoodsInformation](#)

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 57

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG32	- C	99 - DGS-FTX-SG33-SG34
FTX	- C	99 - Free text

Function:

To provide free form or coded text information.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
4451	Text subject code qualifier	M an..3	M		AAC = Dangerous goods additional information AAD = Dangerous goods, technical name
4453	Free text function code	C an..3	O		1 = Text for subsequent use
C107	TEXT REFERENCE	C	D		This composite is only used when trading partners have agreed to use mutually defined code values.
4441	Free text value code	M an..17	M		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		89 = Assigned by distributor 90 = Assigned by manufacturer 91 = Assigned by supplier or supplier's agent 92 = Assigned by buyer or buyer's agent
C108	TEXT LITERAL	C	D		This composite is only used if coded text can not be used.
4440	Free text value	M an..512	M		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
4440	Free text value	C an..512	O		
3453	Language name code	C an..3	D		ISO 639 two alpha code This data element is only used when non coded free text has been provided in data element C108.
4447	Free text format code	C an..3	N		

Segment Notes:

This segment is used to specify any additional information required for the dangerous goods.

Use of this segment in free form is not recommended since it may inhibit automatic processing of the Transport Instruction. Coded references to standard texts is an available functionality which enables automatic processing and reduces transmission overheads. Standard texts should be mutually defined between trading partners and can be used to cover legal or other requirements.

Example:

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 57

FTX+AAD+++DIETHYL ACETALDEHYDE'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
dangerousGoodsInformation/dangerousGoodsDescription
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
dangerousGoodsInformation/dangerousGoodsTechnicalName
transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
dangerousGoodsInformation/dangerousGoodsShippingName

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 58

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32
SG32	- C	99 - DGS-FTX-SG33-SG34
SG33	- C	9 - CTA-COM
CTA	- M	1 - Contact information

Function:

To identify a person or a department to whom communication should be directed.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
3139	Contact function code	C an..3	R		HE = Emergency dangerous goods contact HG = Dangerous goods contact
C056	DEPARTMENT OR EMPLOYEE DETAILS	C	O		
3413	Department or employee name code	C an..17	O		
3412	Department or employee name	C an..35	O		

Segment Notes:

This segment is used to specify a contact name relating to the dangerous goods identified in the DGS segment.

Example:

CTA+HG+:J REEVES'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/transportInstructionConsignmentItem/
dangerousGoodsInformation/contact

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,

A=Advised, N=Not used, X=Not used

Segment number: 59

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32			
SG32	- C	99 - DGS-FTX-SG33-SG34			
SG33	- C	9 - CTA-COM			
COM	- C	9 - Communication contact			
Function:					
To identify a communication number of a department or a person to whom communication should be directed.					
EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C076	COMMUNICATION CONTACT	M	M		
3148	Communication address identifier	M an..512	M		
3155	Communication address code qualifier	M an..3	M		EM = Electronic mail FX = Fax TE = Telephone TL = Telex XF = X.400
Segment Notes:			This segment identifies the communications number and type of communications for the person or department identified in the previous CTA segment.		
Example:			COM+0033148759632:TE'		

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 60

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32			
SG32	- C	99 - DGS-FTX-SG33-SG34			
SG34	- C	9 - MEA-EQN			
MEA	- M	1 - Measurements			
Function: To specify physical measurements, including dimension tolerances, weights and counts.					
EDIFACT					
Tag	Name	St/Format	St	*	Usage
6311	Measurement purpose code qualifier	M an..3	M		AAE = Measurement
C502	MEASUREMENT DETAILS	C	A		
6313	Measured attribute code	C an..3	A		AAW = Gross volume G = Gross weight
6321	Measurement significance code	C an..3	O		3 = Approximately 4 = Equal to
6155	Non-discrete measurement name code	C an..17	N		
6154	Non-discrete measurement name	C an..70	N		
C174	VALUE/RANGE	C	R		
6411	Measurement unit code	M an..3	M		KGM = kilogram LTR = litre
6314	Measurement value	C an..18	O		
6162	Range minimum value	C n..18	O		
6152	Range maximum value	C n..18	O		
6432	Significant digits quantity	C n..2	O		
7383	Surface or layer code	C an..3	N		
Segment Notes: This segment is used to indicate a measurement of the dangerous goods in the goods line item.					
Example: MEA+AAE+AAW:4+LTR:500'					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 61

SG18	- C	999 - GID-HAN-TMP-RNG-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG23-SG24-SG29-SG32			
SG32	- C	99 - DGS-FTX-SG33-SG34			
SG34	- C	9 - MEA-EQN			
EQN	- C	1 - Number of units			
Function: To specify the number of units.					
EDIFACT					
Tag	Name	St/Format	St	*	Usage
C523	NUMBER OF UNIT DETAILS	M	M		
6350	Units quantity	C n..15	R		
6353	Unit type code qualifier	C an..3	O		2 = Transportable unit
Segment Notes: This segment is used to indicate the number of units to which the dangerous goods measurements apply.					
Example: EQN+1:2'					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 62

SG37 - C 999 - EQD-EQN-MEA-DIM-SEL-SG39**EQD** - M 1 - Equipment details

Function:

To identify a unit of equipment.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
8053	Equipment type code qualifier	M an..3	M		BPN = Box pallet non exchangeable CN = Container EFP = Exchangeable EUR flat pallet PA = Pallet UL = ULD (Unit load device) <i>transportEquipmentTypeCode</i>
C237	EQUIPMENT IDENTIFICATION	C	R		returnableAssetTypeIdentification individualReturnableAssetIdentification individualAssetIdentification
8260	Equipment identifier	C an..17	O		The positioning of goods items within equipment in a consignment is controlled through a link with the SGP segment using the DE 8260. DE 8260 in the EQD segment should have the same value as that specified in the SGP segment (DE 8260) in the applicable goods item group to establish the link.
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		9 = GS1
3207	Country name code	C an..3	O		
C224	EQUIPMENT SIZE AND TYPE	C	O		
8155	Equipment size and type description code	C an..10	O		6 = Pressurized tank 21 = Container IC 20 ft.
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
8154	Equipment size and type description	C an..35	O		
8077	Equipment supplier code	C an..3	O		1 = Shipper supplied 2 = Carrier supplied <i>transportEquipmentProviderPartyRole</i>
8249	Equipment status code	C an..3	O		
8169	Full or empty indicator code	C an..3	O		4 = Empty 5 = Full
Segment Notes:					
This segment is used to indicate the units of equipment which will be used to transport the goods items.					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 62

Example:

EQD+UL+45223'

[transportInstructionMessage/transportInstruction/transportInstructionConsignment/includedTransportEquipment](#)

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,

A=Advised, N=Not used, X=Not used

Segment number: 63

SG37 - C 999 - EQD-EQN-MEA-DIM-SEL-SG39**EQN** - C 1 - Number of units

Function:

To specify the number of units.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C523	NUMBER OF UNIT DETAILS	M	M		
6350	Units quantity	C n..15	R		
6353	Unit type code qualifier	C an..3	N		

Segment Notes:
This segment is used to specify the number of pieces of equipment required.
Example:
EQN+10'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 64

SG37 - C 999 - EQD-EQN-MEA-DIM-SEL-SG39**MEA** - C 9 - Measurements

Function:

To specify physical measurements, including dimension tolerances, weights and counts.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
6311	Measurement purpose code qualifier	M an..3	M		AAE = Measurement
C502	MEASUREMENT DETAILS	C	A		
6313	Measured attribute code	C an..3	A		G = Gross weight T = Tare weight
6321	Measurement significance code	C an..3	O		3 = Approximately 4 = Equal to
6155	Non-discrete measurement name code	C an..17	O		
6154	Non-discrete measurement name	C an..70	N		
C174	VALUE/RANGE	C	R		
6411	Measurement unit code	M an..3	M		KGM = kilogram TNE = tonne (metric ton)
6314	Measurement value	C an..18	O		
6162	Range minimum value	C n..18	O		
6152	Range maximum value	C n..18	O		
6432	Significant digits quantity	C n..2	O		
7383	Surface or layer code	C an..3	N		

Segment Notes:

This segment is used to specify the physical dimensions including tolerances of the equipment identified in the preceding EQD segment.

Example:

MEA+AAE+G+TNE:5622'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/includedTransportEquipment/transportEquipmentWeight

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 65

SG37 - C 999 - EQD-EQN-MEA-DIM-SEL-SG39**DIM** - C 9 - **Dimensions**

Function:

To specify dimensions.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
6145	Dimension type code qualifier	M an..3	M		1 = Gross dimensions
C211	DIMENSIONS	M	M		
6411	Measurement unit code	M an..3	M		CMT = centimetre MTR = metre
6168	Length dimension value	C n..15	O		
6140	Width dimension value	C n..15	O		
6008	Height dimension value	C n..15	O		

Segment Notes:

This segment is used to indicate the dimensions of the equipment identified in the EQD segment.

Example:

DIM+1+MTR:2:2:1'

transportInstructionMessage/transportInstruction/transportInstructionConsignment/includedTransportEquipment/dimension

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 66

SG37 - C 999 - EQD-EQN-MEA-DIM-SEL-SG39**SEL** - C 99 - Seal number

Function:

To specify the seal number or a range of seal numbers.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
9308	Seal identifier	C an..35	R		
C215	SEAL ISSUER	C	R		
9303	Sealing party name code	C an..3	R		CA = Carrier CU = Customs SH = Shipper
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	D		
9302	Sealing party name	C an..35	O		
4517	Seal condition code	C an..3	O		
C208	IDENTITY NUMBER RANGE	C	N		
7402	Object identifier	M an..35	N		
7402	Object identifier	C an..35	N		

Segment Notes:

This segment is used to specify a seal number for the equipment identified in the EQD segment.

Example:

SEL+96753+SH'

Dependency Notes:

The use of the SEL segment in the segment group 37 is recommended. Only if customs seals are involved in particular transport environments such as bonded goods the SEL segment in the segment group 4 should be used.

[transportInstructionMessage/transportInstruction/transportInstructionConsignment/includedTransportEquipment/transportSeal](#)

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,

A=Advised, N=Not used, X=Not used

Segment number: 67

SG37	- C	999 - EQD-EQN-MEA-DIM-SEL-SG39
SG39	- C	9 - NAD-DTM
NAD	- M	1 - Name and address

Function:

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
3035	Party function code qualifier	M an..3	M		CK = Empty equipment despatch party CR = Empty equipment return party
C082	PARTY IDENTIFICATION DETAILS	C	A		
3039	Party identifier	M an..35	M		For identification of parties it is recommended to use GLN - Format n13.
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	R	*	9 = GS1
C058	NAME AND ADDRESS	C	O		This composite may only be used to fulfill the requirements of directive 2003/58/EC, article 4.
3124	Name and address description	M an..35	M		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
3124	Name and address description	C an..35	O		
C080	PARTY NAME	C	D		
3036	Party name	M an..35	M		Party Name in clear text.
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3036	Party name	C an..35	O		
3045	Party name format code	C an..3	O		
C059	STREET	C	D		
3042	Street and number or post office box identifier	M an..35	M		Building Name/Number and Street
3042	Street and number or post office box identifier	C an..35	O		Name and/or P.O. Box
3042	Street and number or post office	C an..35	O		

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 67

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
	box identifier				
3042	Street and number or post office box identifier	C an..35	O		
3164	City name	C an..35	D		City/Town, clear text.
C819	COUNTRY SUB-ENTITY DETAILS	C	D		
3229	Country sub-entity name code	C an..9	O		
1131	Code list identification code	C an..17	O		
3055	Code list responsible agency code	C an..3	O		
3228	Country sub-entity name	C an..70	O		County/State, clear text.
3251	Postal identification code	C an..17	D		Postal Code
3207	Country name code	C an..3	D		ISO 3166 two alpha code

Segment Notes:

This segment is used to specify pick up or drop off parties for the equipment specified in the EQD segment.

Example:

NAD+CK+3323456007890::9'

Dependency Notes:

The following composites and data elements are only used when a coded name and address can not be used. The affected composites and data elements are as follows:

C080 - C059 - 3164 - C819 - 3251 - 3207

transportInstructionMessage/transportInstruction/transportInstructionConsignment/includedTransportEquipment/pickUpLocation
transportInstructionMessage/transportInstruction/transportInstructionConsignment/includedTransportEquipment/returnLocation

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 68

SG37	- C	999 - EQD-EQN-MEA-DIM-SEL-SG39
SG39	- C	9 - NAD-DTM
DTM	- C	1 - Date/time/period

Function:

To specify date, and/or time, or period.

EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
C507	DATE/TIME/PERIOD	M	M		
2005	Date or time or period function code qualifier	M an..3	M		54E = Stuffing date/time (GS1 Code) 55E = Un-stuffing date/time (GS1 Code)
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R		102 = CCYYMMDD 203 = CCYYMMDDHHMM 718 = CCYYMMDD-CCYYMMDD

Segment Notes:
This segment is used to provide dates related to the equipment specified in the EQD segment.

Example:
DTM+54E:20020101:102'

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used

Segment number: 69

UNT - M 1 - Message trailer					
Function:					
To end and check the completeness of a message.					
EDIFACT			EANCOM		
Tag	Name	St/Format	St	*	Usage
0074	Number of segments in the message	M n..6	M		The total number of segments in the message is detailed here.
0062	Message reference number	M an..14	M		The message reference number detailed here should equal the one specified in the UNH segment.
Segment Notes:					
This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.					
Example: UNT+72+ME000001'					

* = Restricted Codes

St = Status

EDIFACT: M=Mandatory, C=Conditional

User specific: R=Required, O=Optional, D=Dependent,
A=Advised, N=Not used, X=Not used