
SAP Schema Documentation

SAP Business Network for Logistics

Message Implementation Guide | Public

EDIFACT_IFTMIN

Message Type: IFTMIN

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1 OVERVIEW HEADER

General Information

Name	EDIFACT_HEADER
Direction	Both
Status	Active
Message Type	Interchange Structure
External Category	Message

Documentation

Definition	The Interchange Header is the starting control segment of the interchange envelope. After the recipient has received the document, the interchange header is the first data segment encountered in the document. The interchange header contains: - the sender and receiver information, - authorization and security information, - date and time interchange was prepared, - standard version of interchange structures, and - the control number that uniquely identifies the interchange.
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1.1 Structure

The following table shows the complete structure.

Node	Card.	Prim.Type	Pos.	Length	Codelists
Interchange — Interchange Structure	1 .. 1				
S UNA — S UNA	0 .. 1	String		6 .. 6	
S UNB — S UNB	1 .. 1				
C S001 — C S001	1 .. 1				
D_0001 — Syntax identifier	1 .. 1	String		4 .. 4	D_0001
D_0002 — Syntax version number	1 .. 1	Decimal			D_0002
C S002 — C S002	1 .. 1				
D_0004 — Sender identification	1 .. 1	String		1 .. 35	
D_0007 — Partner identification code qualifier	0 .. 1	String		1 .. 4	D_0007
D_0008 — Address for reverse routing	0 .. 1	String		1 .. 14	
C S003 — C S003	1 .. 1				
D_0010 — Recipient identification	1 .. 1	String		1 .. 35	
D_0007 — Partner identification code qualifier	0 .. 1	String		1 .. 4	D_0007
D_0014 — Routing address	0 .. 1	String		1 .. 14	
C S004 — C S004	1 .. 1				
D_0017 — Date of preparation	1 .. 1	Decimal			
D_0019 — Time of preparation	1 .. 1	Decimal			
D_0020 — Interchange control reference	1 .. 1	String		1 .. 14	
D_0026 — Application reference	0 .. 1	String		1 .. 14	
FunctionalGroup — Functional Group	1 .. *				
S UNZ — S UNZ	1 .. 1				
D_0036 — Interchange control count	1 .. 1	Decimal			
D_0020 — Interchange control reference	1 .. 1	String		1 .. 14	

2 DETAILS HEADER

2.1 Interchange — Interchange Structure

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
Interchange — Interchange Structure	1 .. 1				
└ S_UNA — S UNA	0 .. 1	String		6 .. 6	
└ S_UNB — S UNB	1 .. 1				
└ FunctionalGroup — Functional Group	1 .. *				
└ S_UNZ — S UNZ	1 .. 1				

Documentation

Definition The Interchange Envelope, often referred to as the "outer envelope," is the wrapper for all the data to be sent in one transmission. It can contain multiple Functional Groups. This characteristic means that transactions of different types can be included in the Interchange Envelope, with each type of transaction stored in a separate Functional Group. The Interchange Envelope is defined by the header and trailer; the Interchange Control Header (designated ISA) appears at the beginning, and the Interchange Control Trailer (designated IEA) appears at the end. While the typical pattern from Enterprise Systems is to create one Functional Group (GS/GE) within an Interchange Group (ISA/IEA), the X12 enveloping supports one or more Functional Groups (GS/GE) within an Interchange Group (ISA/IEA).

Properties

Namespace Prefix ns1
 Identifier Interchange
 Name Interchange Structure
 Cardinality min: 1 max: 1

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
S_UNA S UNA		Cardinality min: 0 max: 1 Primitive Type String Length min: 6 max: 6 External Category Element Data Type xsd:string Fixed Value :+.? '

2.2 S_UNB — S UNB

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
Interchange — Interchange Structure	1 .. 1				
S_UNB — S UNB	1 .. 1				
C_S001 — C S001	1 .. 1				
C_S002 — C S002	1 .. 1				
C_S003 — C S003	1 .. 1				
C_S004 — C S004	1 .. 1				
D_0020 — Interchange control reference	1 .. 1	String		1 .. 14	
D_0026 — Application reference	0 .. 1	String		1 .. 14	

Properties

Identifier S_UNB

Name S UNB

Cardinality min: 1 max: 1

Syntax Type Related

External Category Element

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
D_0020 Interchange control reference	Unique reference assigned by the sender to an interchange. Usage 1 Shall be identical in UNB and UNZ.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 14 External Category Element Data Type xsd:string
D_0026 Application reference	Identification of the application area assigned by the sender, to which the messages in the interchange relate e.g. the message identifier if all the messages in the interchange are of the same type. Usage 1 Optionally message identification if the message interchange contains only one type of message.	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 14 External Category Element Data Type xsd:string

2.3 C_S001 — C S001

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
Interchange — Interchange Structure	1 .. 1				
S UNB — S UNB	1 .. 1				
C S001 — C S001	1 .. 1				
D_0001 — Syntax identifier	1 .. 1	String		4 .. 4	D_0001
D_0002 — Syntax version number	1 .. 1	Decimal			D_0002

Properties

Identifier C_S001

Name C S001

Cardinality min: 1 max: 1

Syntax Type Related

External Category Element

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
D_0001 Syntax identifier	Coded identification of the agency controlling a syntax and syntax level used in an interchange. Usage 1 a3, upper case, Controlling Agency (e.g. UNO=UN/ECE) and a1 stating level (e.g. A) (which together give UNOA). Selected Values Code UNOC Name UN/ECE level C As defined in ISO/IEC 8859-1 : Information technology - Part 1: Latin alphabet No. 1.	Cardinality min: 1 max: 1 Primitive Type String Length min: 4 max: 4 External Category Element Data Type xsd:string Fixed Value UNOC Codelist Id D_0001 Type System Customer_TS Version Mode Local Version 1.0
D_0002 Syntax version number	Version number of the syntax identified in the syntax identifier (0001) Usage 1 Increments 1 for each version. Selected Values Code 3 Name Version 3 ISO 9735 Amendment 1:1992.	Cardinality min: 1 max: 1 Primitive Type Decimal Length min: 0 Total Digits 1 External Category Element Data Type xsd:decimal Fixed Value 3 Codelist Id D_0002 Type System Customer_TS Version Mode Local Version 1.0

2.4 C_S002 — C S002

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
Interchange — Interchange Structure	1 .. 1				
S UNB — S UNB	1 .. 1				
C S002 — C S002	1 .. 1				
D_0004 — Sender identification	1 .. 1	String		1 .. 35	
D_0007 — Partner identification code qualifier	0 .. 1	String		1 .. 4	D_0007
D_0008 — Address for reverse routing	0 .. 1	String		1 .. 14	

Properties

Identifier C_S002

Name C S002

Cardinality min: 1 max: 1

Syntax Type Related

External Category Element

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
D_0004 Sender identification	Name or coded representation of the sender of a data interchange. Usage 1 Code or name as specified in IA.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Element Data Type xsd:string
D_0007 Partner identification code qualifier	Qualifier referring to the source of codes for the identifiers of interchanging partners. Usage 1 Used with sender/recipient identification code. Selected Values Code 14 Name GS1 Partner identification code assigned by GS1, an international organization of GS1 Member Organizations that manages the GS1 System.	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 4 External Category Element Data Type xsd:string Fixed Value 14 Codelist Id D_0007 Type System Customer_TS Version Mode Local Version 1.0
D_0008 Address for reverse routing	Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing. Usage 1 This field contains the shipper LBN ID.	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 14 External Category Element Data Type xsd:string

2.5 C_S003 — C S003

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
Interchange — Interchange Structure	1 .. 1				
S UNB — S UNB	1 .. 1				
C S003 — C S003	1 .. 1				
D_0010 — Recipient identification	1 .. 1	String		1 .. 35	
D_0007 — Partner identification code qualifier	0 .. 1	String		1 .. 4	D_0007
D_0014 — Routing address	0 .. 1	String		1 .. 14	

Properties

Identifier C_S003

Name C S003

Cardinality min: 1 max: 1

Syntax Type Related

External Category Element

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
D_0010 Recipient identification	Name or coded representation of the recipient of a data interchange. Usage 1 Code or name as specified in IA.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Element Data Type xsd:string
D_0007 Partner identification code qualifier	Qualifier referring to the source of codes for the identifiers of interchanging partners. Usage 1 Used with sender/recipient identification code. Selected Values Code 14 Name GS1 Partner identification code assigned by GS1, an international organization of GS1 Member Organizations that manages the GS1 System.	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 4 External Category Element Data Type xsd:string Fixed Value 14 Codelist Id D_0007 Type System Customer_TS Version Mode Local Version 1.0
D_0014 Routing address	Address specified by the recipient of an interchange to be included by the sender and used by the recipient for routing of received interchanges inside his organization. Usage 1 If used, normally coded sub-address for onward routing.	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 14 External Category Element Data Type xsd:string

2.6 C_S004 — C S004

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
Interchange — Interchange Structure	1 .. 1				
S UNB — S UNB	1 .. 1				
C S004 — C S004	1 .. 1				
D_0017 — Date of preparation	1 .. 1	Decimal			
D_0019 — Time of preparation	1 .. 1	Decimal			

Properties

Identifier C_S004

Name C S004

Cardinality min: 1 max: 1

Syntax Type Related

External Category Element

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
D_0017 Date of preparation	Local date when an interchange or a functional group was prepared. Usage 1 YYMMDD	Cardinality min: 1 max: 1 Primitive Type Decimal Length min: 0 Total Digits 6 External Category Element Data Type xsd:decimal
D_0019 Time of preparation	Local time of day when an interchange or a functional group was prepared. Usage 1 HHMM	Cardinality min: 1 max: 1 Primitive Type Decimal Length min: 0 Total Digits 4 External Category Element Data Type xsd:decimal

2.7 FunctionalGroup — Functional Group

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
Interchange — Interchange Structure	1 .. 1				
└ FunctionalGroup — Functional Group	1 .. *				

Properties

Identifier FunctionalGroup

Name Functional Group

Cardinality min: 1 max: *

Syntax Type Related

External Category Element

Notes

Tech. Info. 0 Choice : (FunctionalGroup) (maxOccurs : 1) (minOccurs : 1)

2.8 S_UNZ — S UNZ

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
Interchange — Interchange Structure	1 .. 1				
└ S_UNZ — S UNZ	1 .. 1				
└┐ D_0036 — Interchange control count	1 .. 1	Decimal			
└┐ D_0020 — Interchange control reference	1 .. 1	String		1 .. 14	

Properties

Identifier S_UNZ

Name S UNZ

Cardinality min: 1 max: 1

Syntax Type Related

External Category Element

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
D_0036 Interchange control count	The count either of the number of messages or, if used, of the number of functional groups in an interchange. One of these counts shall appear.	Cardinality min: 1 max: 1 Primitive Type Decimal Length min: 0 Total Digits 6 External Category Element Data Type xsd:decimal
D_0020 Interchange control reference	Unique reference assigned by the sender to an interchange. Usage 1 Shall be identical in UNB and UNZ.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 14 External Category Element Data Type xsd:string

3 OVERVIEW MESSAGE

General Information

Name	SAP_LBN_EDIFACT_IFTMIN
Direction	Out
Status	Active
Message Type	Instruction message
Type System	UNEDIFACT
Version	D.96A S3
External Category	Message Type

Documentation

Summary Documentation Summary comes here.

Definition 0. Introduction

This specification provides the definition of the Instruction message (IFTMIN) to be used in Electronic Data Interchange (EDI) between trading partners involved in administration, commerce and transport.

1 Scope

This paper provides the definition of the Instruction Message to be used in fulfilling the requirements of trading partners in the transport chain worldwide, in the interchange of cargo and transport related information using Electronic Data Interchange (EDI).

This message is a single consignment based message, being aligned with other single consignment based messages such as the booking messages (IFTMBP, IFTMBF and IFTMBC), the Instruction Contract Status Message (IFTMCS) and the Arrival Notice Message (IFTMAN).

The single consignment based messages can be used by all modes of transport for the forwarding and transport of goods from any origin to any destination, regardless of route or prevailing commercial practice.

These messages are suitable for the arrangement of the transport of goods between all parties to the movement of the consignment (including the consignor/shipper and consignee as well as the forwarders, brokers, and carriers involved) as well as providing the information necessary to perform that transport and delivery of the goods.

They should be used in the same way by each mode of transport when the requirements are common even if functionally similar information is known by different names.

1.1 Functional Definition

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. This message may be applied for both national and international trade. It is based on universal practice and is not dependent on the type of business or industry.

1.2 Principles

The instruction results in a transport contract for a 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.

If only one message will suffice in an exchange between a shipper and a carrier/forwarder the instruction message should be the one as this message is the only message that results in a contract. The receiving party is to ascertain whether the Instruction message is preceded by a Booking Firm message, to be able to interpret the function as being an administrative message only or an administrative and operational message.

- A consignment may contain several goods items.
- Goods items may or may not be containerized.
- A goods item may be transported in one or more containers, and a single container may contain one or more goods items.
- One goods item may be related to one or more customs tariff codes.
- Goods items related to one customs tariff code may be carried in one or more containers.
- Goods items may reflect either the contractual or operational description of the goods.
- A party to the movement of the consignment may book or order transport for one or more goods items.
- A party to the movement of the consignment may book or issue instructions of transport to be arranged for several goods items by means of one or several of the following messages: IFTMBP, IFTMBF, IFTMBC, IFTMIN, IFTMCS, IFTMAN.
- 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.
- Equipment may have other types of equipment attached to it, e.g. a temperature control unit attached to a container.
- Equipment and/or goods items may be attached to or transported on another load or transport device, which as such may be attached to or transported on yet another load or transport device, e.g. a container on a chassis on a rail-car.
- 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.

- The expression of packaging for goods items can be expressed at up to three levels.

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

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

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

* **TYPE OF MEANS OF TRANSPORT:** The type of vehicle used in the transport process, e.g. wide body, tank truck, passenger vessel.

* **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).

* **TYPE OF EQUIPMENT:** The type of material used, e.g. 40 feet container, four way pallet, mafi trailer.

Examples:

Annex A Example (Details of transport)

1.

TDT+20+HL12345+1:MARITIME+:CONTAINER VESSEL+::HAPAG LLOYD+++PHXXX:::FAITHFUL'

Notes: 20 indicates 'main transport' (d.e. 8051); HL12345 is assigned by the carrier (d.e. 8028; is the 'flight number' in the air mode); PHXXX is the radio call sign (d.e. 8213); 'FAITHFUL' is the name of the vessel

2.

TDT+20+91/05/0021+3:ROAD++:::INT. TRUCKING CO.+++BB-10-XX:::NL' Note: BB-10-XX represents the (Dutch) truck registration no.

Source: Western European EDIFACT Board

Notes

- | | |
|---------------------|---|
| Constraint 1 | Service Level will be provided on header level. |
| Constraint 2 | Some of the DG data are part of the B2B message. If Product compliance is activated, the dangerous goods information is missing. |
| Constraint 3 | Actually TM does not support sending information for dangerous goods items if they are related to limited or excepted quantities. |

3.1 Structure

The following table shows only the root element and the group elements.

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ UNH — MESSAGE HEADER	1 .. 1		001 0		
└ └ S009 — MESSAGE IDENTIFIER	1 .. 1		020		
└ BGM — Beginning of message	1 .. 1		002 0		
└ └ C002 — Document/message name	1 .. 1		010		
└ DTM — Date/time/period - Document/message date/time	1 .. 1		005 0		
└ └ C507 — Date/time/period	1 .. 1		010		
└ DTM — Date/time/period - Delivery date/time, requested	1 .. 1		005 0		
└ └ C507 — Date/time/period	1 .. 1		010		
└ DTM — Date/time/period - Collection date/time, earliest	1 .. 1		005 0		
└ └ C507 — Date/time/period	1 .. 1		010		
└ DTM — Date/time/period - Delivery date/time, latest	0 .. 1		005 0		
└ └ C507 — Date/time/period	1 .. 1		010		
└ TSR — Transport service requirements	0 .. 9		006 0		
└ └ C537 — Transport priority	1 .. 1		030		
└ └ C703 — Nature of cargo	0 .. 1		040		
└ MOA — Monetary amount	0 .. 3		008 0		
└ └ C516 — Monetary amount	1 .. 1		010		
└ FTX — Free text	0 .. 99		009 0		
└ └ C108 — Text literal	1 .. 1		040		
└ SG2 — Segment Group 2: TOD-LOC	0 .. 1		015 0		
└ └ TOD — Terms of delivery or transport	1 .. 1		016 0		
└ └ └ C100 — Terms of delivery or transport	1 .. 1		030		
└ └ └ LOC — Place/location identification	0 .. 1		017 0		
└ └ └ C517 — Location identification	1 .. 1		020		
└ SG3 — Segment Group 3: RFF-DTM	1 .. 99		018 0		
└ └ RFF — Reference	1 .. 1		019 0		
└ └ └ C506 — Reference	1 .. 1		010		
└ SG11 — Segment Group 11: NAD-LOC-MOA-SG12-SG13-SG14-SG15-SG16-SG17	0 .. 3		056 0		
└ └ NAD — Name and address	1 .. 1		057 0		
└ └ └ C082 — Party identification details	0 .. 1		020		
└ └ └ C080 — Party name	0 .. 1		040		
└ └ └ C059 — Street	0 .. 1		050		
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ GID — Goods item details	1 .. 1		089 0		
└ └ └ C213 — Number and type of packages	0 .. 1		020		
└ └ FTX — Free text	0 .. 9		097 0		
└ └ └ C108 — Text literal	1 .. 1		040		
└ SG20 — Segment Group 20: MEA-EQN	0 .. 3		102 0		
└ └ MEA — Measurements	1 .. 1		103 0		
└ └ └ C502 — Measurement details	1 .. 1		020		
└ └ └ C174 — Value/range	1 .. 1		030		
└ SG23 — Segment Group 23: PCI-RFF-DTM-GIN	0 .. 1		111		

			0		
		PCI — Package identification - Marked with serial shipping container code	1 .. 1	1120	
		GIN — Goods identity number	1 .. 1	1150	
		C208 — Identity number range	1 .. 1	020	
		SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9	1470	
		DGS — Dangerous goods	1 .. 1	1480	
		C205 — Hazard code	1 .. 1	020	
		C234 — Undg information	0 .. 1	030	
		C223 — Dangerous goods shipment flashpoint	0 .. 1	040	
		C236 — Dangerous goods label	0 .. 1	100	
		FTX — Free text	0 .. 99	1490	
		C107 — Text reference	0 .. 1	030	
		C108 — Text literal	1 .. 1	040	
		SG34 — Segment Group 34: MEA-EQN	0 .. 9	1530	
		MEA — Measurements	1 .. 1	1540	
		C502 — Measurement details	1 .. 1	020	
		C174 — Value/range	1 .. 1	030	
		UNT — MESSAGE TRAILER	1 .. 1	1880	

4 DETAILS MESSAGE

4.1 IFTMIN — Instruction message

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ UNH — MESSAGE HEADER	1 .. 1		001 0		
└ BGM — Beginning of message	1 .. 1		002 0		
└ DTM — Date/time/period - Document/message date/time	1 .. 1		005 0		
└ DTM — Date/time/period - Delivery date/time, requested	1 .. 1		005 0		
└ DTM — Date/time/period - Collection date/time, earliest	1 .. 1		005 0		
└ DTM — Date/time/period - Delivery date/time, latest	0 .. 1		005 0		
└ TSR — Transport service requirements	0 .. 9		006 0		
└ MOA — Monetary amount	0 .. 3		008 0		
└ FTX — Free text	0 .. 99		009 0		
└ SG2 — Segment Group 2: TOD-LOC	0 .. 1		015 0		
└ SG3 — Segment Group 3: RFF-DTM	1 .. 99		018 0		
└ SG11 — Segment Group 11: NAD-LOC-MOA-SG12-SG13-SG14-SG15-SG16-SG17	0 .. 3		056 0		
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ UNT — MESSAGE TRAILER	1 .. 1		188 0		

Properties

Identifier	IFTMIN		
Name	Instruction message		
Cardinality	min: 1	max: 1	

Notes

Example 1 UNA:+.?

' UNB+UNOC:3+shipper-id:14:shipper-lbn-id+carrier-id:14:carrier-lbn-id+210218:1152+00100++IFTMIN'

UNH+1+IFTMIN:D:96A:UN' BGM+340::9+freight-order-id#loading-stop-id#unloading-stop-id+9'

DTM+63:20211220:102' DTM+2:20211220:102' DTM+137:202111161743:203'

DTM+234:202112160142:203' TSR+++6' RFF+DQ:123456789' RFF+ZZ1:sender-system-id'

RFF+ZZ2:freight-order-id' RFF+ZZ3:loading-location-id' RFF+ZZ4:unloading-location-id'

RFF+ZZ5:shipper-lbn-id' RFF+ZZ6:carrier-lbn-id' RFF+ZZ7:loading-stop-id' RFF+ZZ8:unloading-stop-id'

NAD+CZ+shipper-id++company name+Street 111+City++12345+DE'

GID+1+1:DD:::000000000130000016' FTX+AAA+++NAT-ORANGE-FLAVOURIN'

MEA+WT+AAE+KGM:58.78' MEA+WT+AAF+KGM:57.00' MEA+VOL+AAW+MTQ:1.884'

PCI+28+freight-order-id' GIN+BJ+140459973028819358' FTX+AAE++15:ZZZ+d-Limonene::2'

MEA+WT+AAE+KGM:50.0' UNT+24+1' UNZ+1+00100'

Example 2 UNA:+.?

' UNB+UNOC:3+shipper-id:14:shipper-lbn-id+carrier-id:14:carrier-lbn-id+210218:1152+00101++IFTMIN'

UNH+1+IFTMIN:D:96A:UN' BGM+610::9+freight-order-id#loading-stop-id#unloading-stop-id+4'

DTM+63:202112200840:203' DTM+2:20211220:102' DTM+137:202111161743:203'

DTM+234:202112160142:203' TSR+++20+HAZ' MOA+123:1000:EUR' FTX+DEL+++some free text'

TOD+6++DDP' LOC+1+MACON' RFF+DQ:123456789' RFF+ZZ1:sender-system-id'

RFF+ZZ2:freight-order-id' RFF+ZZ3:loading-location-id' RFF+ZZ4:unloading-location-id'

RFF+ZZ5:shipper-lbn-id' RFF+ZZ6:carrier-lbn-id' RFF+ZZ7:loading-stop-id' RFF+ZZ8:unloading-stop-id'

NAD+CZ+shipper-id++company name+Street 111+City++12345+DE'

GID+1+1:DD:::000000000130000016' FTX+AAA+++NAT-ORANGE-FLAVOURIN'

MEA+WT+AAE+KGM:58.78' MEA+WT+AAF+KGM:57.00' MEA+VOL+AAW+MTQ:1.884'

PCI+28+freight-order-id' GIN+BJ+140459973028819358'

DGS+ADR+9:M6+3082+099:CEL+III+++++9:X:X' FTX+AAE++15:ZZZ+d-Limonene::2'
MEA+WT+AAE+KGM:50.0' UNT+30+1' UNZ+1+00101'

Example 3 UNA:+.?
' UNB+UNOC:3+shipper-id:14:shipper-lbn-id+carrier-id:14:carrier-lbn-id+210218:1152+00102++IFTMIN'
UNH+1+IFTMIN:D:96A:UN' BGM+610::9+freight-order-id#loading-stop-id#unloading-stop-id+1'
DTM+63:202112200840:203' DTM+2:20211220:102' DTM+137:202111161743:203'
DTM+234:202112160142:203' TSR+++6+HAZ' TOD+6++DDP' LOC+1+MACON' RFF+DQ:123456789'
RFF+ZZ1:sender-system-id' RFF+ZZ2:freight-order-id' RFF+ZZ3:loading-location-id'
RFF+ZZ4:unloading-location-id' RFF+ZZ5:shipper-lbn-id' RFF+ZZ6:carrier-lbn-id'
RFF+ZZ7:loading-stop--id' RFF+ZZ8:unloading-stop-id' NAD+CZ+shipper-id++company name+Street
111+City++12345+DE' GID+1+1:DD:::000000000130000016' FTX+AAA+++NAT-ORANGE-FLAVOURIN'
MEA+WT+AAE+KGM:58.78' MEA+WT+AAF+KGM:57.00' MEA+VOL+AAW+MTQ:1.884'
PCI+28+freight-order-id' GIN+BJ+140459973028819358'
DGS+ADR+9:M6+3082+099:CEL+III+++++9:X:X' FTX+AAE++15:ZZZ+d-Limonene::2'
MEA+WT+AAE+KGM:50.0' UNT+25+1' UNZ+1+00102'

4.2 UNH — MESSAGE HEADER

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ UNH — MESSAGE HEADER	1 .. 1		001 0		
└ └ 0062 — Message reference number	1 .. 1	String	010	1 .. 14	
└ └ S009 — MESSAGE IDENTIFIER	1 .. 1		020		

Documentation

Definition A service segment starting and uniquely identifying a message. The message type code for the Instruction message is IFTMIN. Note: Instruction messages conforming to this document must contain the following data in segment UNH, composite S009: Data element 0065 IFTMIN 0052 D 0054 96A 0051 UN

Properties

Identifier UNH
Name MESSAGE HEADER
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 0010
Level 2

Notes

Example 1 UNH+1+IFTMIN:D:96A:UN'

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
0062 Message reference number	Unique message reference assigned by the sender.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 14 External Category Data Element Data Type an Position 010

4.3 S009 — MESSAGE IDENTIFIER

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ UNH — MESSAGE HEADER	1 .. 1		001 0		
└ └ S009 — MESSAGE IDENTIFIER	1 .. 1		020		
└ └ └ 0065 — Message type identifier	1 .. 1	String	010	1 .. 6	0065
└ └ └ 0052 — Message type version number	1 .. 1	String	020	1 .. 3	0052
└ └ └ 0054 — Message type release number	1 .. 1	String	030	1 .. 3	0054
└ └ └ 0051 — Controlling agency	1 .. 1	String	040	1 .. 2	0051

Documentation

Definition Identification of the type, version etc. of the message being interchanged.

Properties

Identifier S009
Name MESSAGE IDENTIFIER
Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element
Position 020

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
0065 Message type identifier	Code identifying a type of message and assigned by its controlling agency. Selected Values Code IFTMIN	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 6 External Category Data Element Data Type an Position 010 Fixed Value IFTMIN Codelist Id 0065 Type System UNEDIFACT Version Mode Current Version D.96A S3
0052 Message type version number	Version number of a message type. Selected Values All Values in Codelist	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 020 Fixed Value D Codelist Id 0052 Type System UNEDIFACT Version Mode Current Version D.96A S3
0054 Message type release number	Release number within the current message type version number (0052). Selected Values All Values in Codelist	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 030 Fixed Value 96A

		Codelist Id 0054 Type System UNEDIFACT Version Mode Current Version D.96A S3
0051 Controlling agency	Code identifying the agency controlling the specification, maintenance and publication of the message type. Selected Values Code UN	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 2 External Category Data Element Data Type an Position 040 Fixed Value UN Codelist Id 0051 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.4 BGM — Beginning of message

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ BGM — Beginning of message	1 .. 1		0020		
└└ C002 — Document/message name	1 .. 1		010		
└└ 1004 — Document/message number	1 .. 1	String	020	1 .. 35	
└└ 1225 — Message function, coded	1 .. 1	String	030	1 .. 3	1225

Documentation

Definition A segment to indicate the beginning of a message and to transmit identifying number and type of the message.

Properties

Identifier BGM
Name Beginning of message
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 0020
Level 2

Notes

Example 1 BGM+610::9+5000154024#0000054387+9

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
1004 Document/message number	Reference number assigned to the document/message by the issuer. Usage 1 The shipping number, which is a concatenation of the freight order identifier, a hash sign as separator and the internal location identifier of the ship-to location of the consignee. It is used to identify the original document for status updates via an IFTSTA message during execution of the transport by the carrier.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Data Element Data Type an Position 020
1225 Message function, coded	Code indicating the function of the message. Usage 1 Code 4 corresponds to the pre-advice (340) message, code 9 to the final (610) message. Selected Values Code 1 Code 4 Code 9	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 030 Codelist Id 1225 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.5 C002 — Document/message name

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
├ BGM — Beginning of message	1 .. 1		002 0		
└ C002 — Document/message name	1 .. 1		010		
└ └ 1001 — Document/message name, coded	1 .. 1	String	010	1 .. 3	1001
└ └ 3055 — Code list responsible agency, coded	1 .. 1	String	030	1 .. 3	3055

Documentation

Definition Identification of a type of document/message by code or name. Code preferred.

Properties

Identifier C002

Name Document/message name

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 010

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
1001 Document/message name, coded	Document/message identifier expressed in code. Note: Users should note that code values marked as additions or changes are included pending approval by the 1001 Maintenance Agency and may be disapproved or changed. The results of this review will be reflected in a future version of the draft directory. Usage 1 Code 340 is used for a pre-advice message, which can be sent multiple times with changed content, i.e. items or dates. Usage 2 Code 610 is used for the final message, when the freight order was finalized and no changes are expected anymore. Selected Values Code 340 Code 610	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id 1001 Type System UNEDIFACT Version Mode Current Version D.96A S3
3055 Code list responsible agency, coded	Code identifying the agency responsible for a code list. Selected Values Code 9	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 030 Fixed Value 9 Codelist Id 3055 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.6 DTM [2005 = "137"] — Date/time/period - Document/message date/time

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ DTM — Date/time/period - Document/message date/time	1 .. 1		005 0		
└ └ C507 — Date/time/period	1 .. 1		010		

Documentation

Definition A segment to indicate a date and time applying to the whole message, e.g., date and time of document issue.

Properties

Identifier DTM
Name Date/time/period - Document/message date/time
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 0050
Level 2

Notes

Usage 1 This segment will be used to transmit the order date.
Usage 2 There is no timezone transmitted, because in logistics many carriers expect the date/time values in the local timezone of the corresponding location. This means the time is in the local timezone of the consignor's location, specified in the NAD+CZ segment.
Example 1 DTM+137:202102181152:203'

4.7 C507 — Date/time/period

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ DTM — Date/time/period - Document/message date/time	1 .. 1		005 0		
└ └ C507 — Date/time/period	1 .. 1		010		
└ └ └ 2005 — Date/time/period qualifier	1 .. 1	String	010	1 .. 3	2005
└ └ └ 2380 — Date/time/period	1 .. 1	String	020	1 .. 35	
└ └ └ 2379 — Date/time/period format qualifier	1 .. 1	String	030	1 .. 3	2379

Documentation

Definition Date and/or time, or period relevant to the specified date/time/period type.

Properties

Identifier C507
Name Date/time/period
Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element
Position 010

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
2005 Date/time/period qualifier	Code giving specific meaning to a date, time or period. Selected Values Code 137	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Fixed Value 137 Codelist Id 2005 Type System UNEDIFACT Version Mode Current Version D.96A S3
2380 Date/time/period	The value of a date, a date and time, a time or of a period in a specified representation.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Data Element Data Type an Position 020
2379 Date/time/period format qualifier	Specification of the representation of a date, a date and time or of a period. Selected Values Code 203	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 030 Fixed Value 203 Codelist Id 2379 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.8 DTM [2005 = "2"] — Date/time/period - Delivery date/time, requested

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ DTM — Date/time/period - Delivery date/time, requested	1 .. 1		005 0		
└ C507 — Date/time/period	1 .. 1		010		

Documentation

Definition A segment to indicate a date and time applying to the whole message, e.g., date and time of document issue.

Properties

Identifier DTM
Name Date/time/period - Delivery date/time, requested
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 0050
Level 2

Notes

Usage 1 There is no timezone transmitted, because in logistics many carriers expect the date/time values in the local timezone of the corresponding location. This means the time is in the local timezone of the consignee's location, specified in the NAD+CN segment.

Example 1 DTM+2:20210224:102'

4.9 C507 — Date/time/period

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ DTM — Date/time/period - Delivery date/time, requested	1 .. 1		005 0		
└ └ C507 — Date/time/period	1 .. 1		010		
└ └ └ 2005 — Date/time/period qualifier	1 .. 1	String	010	1 .. 3	2005
└ └ └ 2380 — Date/time/period	1 .. 1	String	020	1 .. 35	
└ └ └ 2379 — Date/time/period format qualifier	1 .. 1	String	030	1 .. 3	2379

Documentation

Definition Date and/or time, or period relevant to the specified date/time/period type.

Properties

Identifier C507
Name Date/time/period
Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element
Position 010

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
2005 Date/time/period qualifier	Code giving specific meaning to a date, time or period. Selected Values Code 2	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Fixed Value 2 Codelist Id 2005 Type System UNEDIFACT Version Mode Current Version D.96A S3
2380 Date/time/period	The value of a date, a date and time, a time or of a period in a specified representation.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Data Element Data Type an Position 020
2379 Date/time/period format qualifier	Specification of the representation of a date, a date and time or of a period. Selected Values Code 102	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 030 Fixed Value 102 Codelist Id 2379 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.10 DTM [2005 = "234"] — Date/time/period - Collection date/time, earliest

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ DTM — Date/time/period - Collection date/time, earliest	1 .. 1		005 0		
└ C507 — Date/time/period	1 .. 1		010		

Documentation

Definition A segment to indicate a date and time applying to the whole message, e.g., date and time of document issue.

Properties

Identifier DTM
Name Date/time/period - Collection date/time, earliest
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 0050
Level 2

Notes

Usage 1 This segment will be used to transmit the earliest pickup date/time.
Usage 2 There is no timezone transmitted, because in logistics many carriers expect the date/time values in the local timezone of the corresponding location. This means the time is in the local timezone of the consignor's location, specified in the NAD+CZ segment.
Example 1 DTM+234:202102181000:203'

4.11 C507 — Date/time/period

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ DTM — Date/time/period - Collection date/time, earliest	1 .. 1		005 0		
└ └ C507 — Date/time/period	1 .. 1		010		
└ └ └ 2005 — Date/time/period qualifier	1 .. 1	String	010	1 .. 3	2005
└ └ └ 2380 — Date/time/period	1 .. 1	String	020	1 .. 35	
└ └ └ 2379 — Date/time/period format qualifier	1 .. 1	String	030	1 .. 3	2379

Documentation

Definition Date and/or time, or period relevant to the specified date/time/period type.

Properties

Identifier C507
Name Date/time/period
Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element
Position 010

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
2005 Date/time/period qualifier	Code giving specific meaning to a date, time or period. Selected Values Code 234	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Fixed Value 234 Codelist Id 2005 Type System UNEDIFACT Version Mode Current Version D.96A S3
2380 Date/time/period	The value of a date, a date and time, a time or of a period in a specified representation.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Data Element Data Type an Position 020
2379 Date/time/period format qualifier	Specification of the representation of a date, a date and time or of a period. Selected Values Code 203	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 030 Fixed Value 203 Codelist Id 2379 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.12 DTM [2005 = "63"] — Date/time/period - Delivery date/time, latest

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ DTM — Date/time/period - Delivery date/time, latest	0 .. 1		005 0		
└ └ C507 — Date/time/period	1 .. 1		010		

Documentation

Definition A segment to indicate a date and time applying to the whole message, e.g., date and time of document issue.

Properties

Identifier DTM
Name Date/time/period - Delivery date/time, latest
Cardinality min: 0 max: 1

Syntax Type Related

External Category Segment
Position 0050
Level 2

Notes

- Usage 1** This segment is only present for a pre-advice message and will be used to transmit the latest delivery date/time.
- Usage 2** The used date/time format qualifier depends on the transport priority code 4219 in the TSR segment. For priority code 20 the format code 203 is used, for all other codes the format code 102 is used.
- Usage 3** There is no timezone transmitted, because in logistics many carriers expect the date/time values in the local timezone of the corresponding location. This means the time is in the local timezone of the consignee's location, specified in the NAD+CN segment.

4.13 C507 — Date/time/period

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ DTM — Date/time/period - Delivery date/time, latest	0 .. 1		005 0		
└ └ C507 — Date/time/period	1 .. 1		010		
└ └ └ 2005 — Date/time/period qualifier	1 .. 1	String	010	1 .. 3	2005
└ └ └ 2380 — Date/time/period	1 .. 1	String	020	1 .. 35	
└ └ └ 2379 — Date/time/period format qualifier	1 .. 1	String	030	1 .. 3	2379

Documentation

Definition Date and/or time, or period relevant to the specified date/time/period type.

Properties

Identifier C507
Name Date/time/period
Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element
Position 010

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
2005 Date/time/period qualifier	Code giving specific meaning to a date, time or period. Selected Values Code 63	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Fixed Value 63 Codelist Id 2005 Type System UNEDIFACT Version Mode Current Version D.96A S3
2380 Date/time/period	The value of a date, a date and time, a time or of a period in a specified representation.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Data Element Data Type an Position 020
2379 Date/time/period format qualifier	Specification of the representation of a date, a date and time or of a period. Selected Values Code 102 Code 203	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 030 Codelist Id 2379 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.14 TSR — Transport service requirements

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
├ TSR — Transport service requirements	0 .. 9		006 0		
└ C537 — Transport priority	1 .. 1		030		
└ C703 — Nature of cargo	0 .. 1		040		

Documentation

Definition A segment to identify the contract, conditions of carriage, services, and priority requirements for the transport.

Properties

Identifier TSR
Name Transport service requirements
Cardinality min: 0 max: 9

Syntax Type Related

External Category Segment
Position 0060
Level 2

Notes

Example 1 TSR+++6+HAZ'

4.15 C537 — Transport priority

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
├ TSR — Transport service requirements	0 .. 9		006 0		
└ C537 — Transport priority	1 .. 1		030		
└ └ 4219 — Transport priority, coded	1 .. 1	String	010	1 .. 3	4219_custom

Documentation

Definition To indicate the priority of requested transport service.

Properties

Identifier C537

Name Transport priority

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 030

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
4219 Transport priority, coded	Coded priority of requested transport service. Selected Values Code 6 Name Standard transit time (default) Code 8 Name Fix delivery date Code 12 Name Fix delivery date before 10 am Code 13 Name Fix delivery date before 12 am Code 20 Name Fix delivery date & time Code 2 Name Delivery on next working day before 10 am Code 1 Name Delivery on next working day before 12 am Code 7 Name Delivery on next working day	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id 4219_custom Version Mode Fixed

4.16 C703 — Nature of cargo**Structure**

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ TSR — Transport service requirements	0 .. 9		006 0		
└ └ C703 — Nature of cargo	0 .. 1		040		
└ └ └ 7085 — Nature of cargo, coded	1 .. 1	String	010	1 .. 3	7085_custom

Documentation

Definition Rough classification of a type of cargo.

Properties

Identifier C703
Name Nature of cargo
Cardinality min: 0 max: 1

Syntax Type Related

External Category Composite Data Element
Position 040

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
7085 Nature of cargo, coded	Code indicating the type of cargo as a rough classification. Note: Association defined code. May be used in combination with 1131/3055. Usage 1 Code HAZ is used when the IFTMIN message contains at least one DGS segment for a dangerous goods cargo item. Selected Values Code HAZ Name Dangerous goods This code is used when the IFTMIN message contains at least one DGS segment for a dangerous goods cargo item.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Fixed Value HAZ Codelist Id 7085_custom Version Mode Fixed

4.17 MOA — Monetary amount

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ MOA — Monetary amount	0 .. 3		008 0		
└ C516 — Monetary amount	1 .. 1		010		

Documentation

Definition A segment to indicate a monetary value for entire consignment, e.g. insured value, invoice amount, disbursements, etc.

Properties

Identifier MOA
Name Monetary amount
Cardinality min: 0 max: 3

Syntax Type Related

External Category Segment
Position 0080
Level 2

4.18 C516 — Monetary amount

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
├ MOA — Monetary amount	0 .. 3		008 0		
└┬ C516 — Monetary amount	1 .. 1		010		
└┬┬ 5025 — Monetary amount type qualifier	1 .. 1	String	010	1 .. 3	5025
└┬┬ 5004 — Monetary amount	1 .. 1	Integer	020	1 .. 18	
└┬┬ 6345 — Currency, coded	1 .. 1	String	030	1 .. 3	ISO_4217

Documentation

Definition Amount of goods or services stated as a monetary amount in a specified currency.

Properties

Identifier C516

Name Monetary amount

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 010

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
5025 Monetary amount type qualifier	Indication of type of amount. Selected Values Code 123 Name Statistical value Definition [5218] Value declared for statistical purposes of those goods in a consignment which have the same statistical heading and country of origin. Code 157 Name Insurance value Definition (5010) Value for which the goods are insured. Code 40 Name Customs value Definition (5032) Value declared for Customs purposes on those goods in a consignment which are subject to the same Customs procedure, and have the same tariff/statistical heading, country information and duty regime. Code ZZZ Name Mutually defined Definition Mutually defined monetary amount.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id 5025 Type System UNEDIFACT Version Mode Current Version D.96A S3
5004 Monetary amount	Number of monetary units.	Cardinality min: 1 max: 1 Primitive Type Integer Length min: 1 max: 18 Total Digits 18 External Category Data Element Data Type n Position 020
6345 Currency, coded	Identification of the name or symbol of the monetary unit involved in the transaction. Note: Use ISO 4217 three alpha code. Selected Values Code EUR Name Euro	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 030 Codelist Id ISO_4217 Type System ISO_CodelistsAndSchem

		es Version Mode Latest Version 2015
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4.19 FTX — Free text

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
FTX — Free text	0 .. 99		009 0		
4451 — Text subject qualifier	0 .. 1	String	010	1 .. 3	FTX_4451_custom
C108 — Text literal	1 .. 1		040		
3453 — Language, coded	0 .. 1	String	050	1 .. 3	ISO_639-1_custom

Documentation

Definition A segment to specify free form or processable supplementary information, such as status of transport, remarks to be printed on the transport documents (where required), consignment remarks, insurance instructions, etc., or any other additional information.

Properties

Identifier FTX
Name Free text
Cardinality min: 0 max: 99

Syntax Type Related

External Category Segment
Position 0090
Level 2

Notes

- Usage 1** In general all relevant delivery information is transmitted as one or more FTX+DEL segments. If the original text exceeds 70 characters, a line wrap creates a consecutive list of FTX+DEL segments for every new line. There will be no word wrapping. All texts are language independent.
- Usage 2** Every IFTMIN message contains a FTX+RE segment, which identifies the freight order in the sending system of the ordering party in addition to the shipping number from the BGM segment. It is transmitted for convenience reasons, for example printing this document number on an invoice.
- Usage 3** In case of a temperature-controlled transport a FTX+THE segment is created, which contains as text the means of transport in the sender system.
- Example 1**

<p style="text-align: left">FTX+DEL+++Wichtig?:'
FTX+DEL+++ No Commercial Invoice with Goods'
FTX+DEL+++
FTX+DEL+++ T2 Transit Required'
FTX+DEL+++
FTX+DEL+++ Telephone ?+123 456 7890 PREBOOK 48 hours prior to arrival'</p>
- Example 2** FTX+RE+++5000154024'
- Example 3** FTX+THE+++TT01'

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
4451 Text subject qualifier	Code specifying subject of a free text. Selected Values Code DEL Name Delivery information Information about delivery. Code THE Name Temperature-controlled transport Code SPH Name Special handling	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id FTX_4451_custom Version Mode Fixed
3453 Language, coded	Code of language (ISO 639-1988). Note: Use ISO 639-1988. Selected Values	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element

	Code sr Name Serbian Code zh Name Chinese Code th Name Thai Code ko Name Korean Code ro Name Romanian Code sl Name Slovenian Code hr Name Croatian Code ms Name Malay Code uk Name Ukrainian Code et Name Estonian Code ar Name Arabic Code he Name Hebrew Code cs Name Czech Code de Name German Code en Name English Code fr Name French Code el Name Greek Code hu Name Hungarian Code it Name Italian Code ja Name Japanese Code da Name Danish Code pl Name Polish Code zf Name Chinese trad. Code nl Name Dutch Code no Name Norwegian Code pt Name Portuguese Code sk Name Slovak Code ru Name Russian Code es Name Spanish Code tr Name Turkish Code fi Name Finnish Code sv Name Swedish Code bg Name Bulgarian Code lt Name Lithuanian Code lv Name Latvian Code z1 Name Customer reserve Code af Name Afrikaans Code is Name Icelandic Code ca Name Catalan Code sh Name Serbian (Latin) Code id Name Indonesian Code hi Name Hindi Code kk Name Kazakh Code vi Name Vietnamese	Data Type an Position 050 Codelist Id ISO_639-1_custom Version Mode Fixed
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4.20 C108 — Text literal

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ FTX — Free text	0 .. 99		009 0		
└ └ C108 — Text literal	1 .. 1		040		
└ └ └ 4440 — Free text	1 .. 1	String	010	1 .. 70	

Documentation

Definition Free text; one to five lines.

Properties

Identifier C108
Name Text literal
Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element
Position 040

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
4440 Free text	Free text field available to the message sender for information.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 70 External Category Data Element Data Type an Position 010

4.21 SG2 — Segment Group 2: TOD-LOC

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG2 — Segment Group 2: TOD-LOC	0 .. 1		015 0		
└ └ TOD — Terms of delivery or transport	1 .. 1		016 0		
└ └ └ LOC — Place/location identification	0 .. 1		017 0		

Documentation

Definition A group of segments to specify terms of delivery and related locations.

Properties

Identifier SG2
Name Segment Group 2: TOD-LOC
Cardinality min: 0 max: 1

Syntax Type Related

External Category Segment Group
Position 0150
Level 2

4.22 TOD — Terms of delivery or transport

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
├ SG2 — Segment Group 2: TOD-LOC	0 .. 1		015 0		
│ │ TOD — Terms of delivery or transport	1 .. 1		016 0		
│ │ │ 4055 — Terms of delivery or transport function, coded	1 .. 1	String	010	1 .. 3	4055
│ │ │ C100 — Terms of delivery or transport	1 .. 1		030		

Documentation

Definition A segment to specify the applicable terms of delivery.

Properties

Identifier TOD
Name Terms of delivery or transport
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 0160
Level 3

Notes

Example 1 TOD+6++DDP'

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
4055 Terms of delivery or transport function, coded	Indication whether the terms relate to e.g. price conditions, delivery conditions, transport conditions, or a combination of these. Selected Values Code 6	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Fixed Value 6
		Codelist Id 4055 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.23 C100 — Terms of delivery or transport

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
├ SG2 — Segment Group 2: TOD-LOC	0 .. 1		015 0		
└ TOD — Terms of delivery or transport	1 .. 1		016 0		
└ C100 — Terms of delivery or transport	1 .. 1		030		
└ 4053 — Terms of delivery or transport, coded	1 .. 1	String	010	1 .. 3	Rec_5_custom

Documentation

Definition Terms of delivery or transport code from a specified source.

Properties

Identifier C100
Name Terms of delivery or transport
Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element
Position 030

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
4053 Terms of delivery or transport, coded	Identification of the terms agreed between two parties (e.g. seller/buyer, shipper/carrier) under which a product or service is provided. Note: Use UN/ECE Recommendation No. 5 Incoterms 1990. If not applicable, use appropriate code set in combination with 1131/3055. Usage 1 Contains the Incoterm code. Selected Values Code CFR Name Costs and Freight Code CIF Name Costs,Insurance & Freight Code CIP Name Carriage and Insurance Paid to Code CPT Name Carriage Paid to Code DAT Name Delivered at Terminal Code DAP Name Delivered at Place Code DAF Name Delivered at Frontier Code DDP Name Delivered Duty Paid Code DDU Name Delivered Duty Unpaid Code DEQ Name Delivered Ex Quay (Duty Paid) Code DES Name Delivered Ex Ship Code EXW Name Ex Works Code FAS Name Free Alongside Ship Code FCA Name Free Carrier Code FH Name Free House Code FOB Name Free on Board Code UN Name Not Free	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id Rec_5_custom Version Mode Fixed

4.24 LOC — Place/location identification

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG2 — Segment Group 2: TOD-LOC	0 .. 1		015 0		
└ └ LOC — Place/location identification	0 .. 1		017 0		
└ └ └ 3227 — Place/location qualifier	1 .. 1	String	010	1 .. 3	3227
└ └ └ C517 — Location identification	1 .. 1		020		

Documentation

Definition A segment to specify a location related to the terms of delivery.

Properties

Identifier LOC
Name Place/location identification
Cardinality min: 0 max: 1

Syntax Type Related

External Category Segment
Position 0170
Level 3

Notes

Example 1 LOC+1+MACON'

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
3227 Place/location qualifier	Code identifying the function of a location. Selected Values Code 1	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Fixed Value 1 Codelist Id 3227 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.25 C517 — Location identification

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG2 — Segment Group 2: TOD-LOC	0 .. 1		015 0		
└ └ LOC — Place/location identification	0 .. 1		017 0		
└ └ └ C517 — Location identification	1 .. 1		020		
└ └ └ └ 3225 — Place/location identification	1 .. 1	String	010	1 .. 25	

Documentation

Definition Identification of a location by code or name.

Properties

Identifier C517

Name Location identification

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 020

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
3225 Place/location identification	Identification of the name of place/location, other than 3164 City name. Note: Use UN/ECE Recommendation No. 16: UNLOCODE. If not applicable, use appropriate code set in combination with 1131/3055. Usage 1 The corresponding Incoterm location as free-text. Not all Incoterm codes need to specify a location.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 25 External Category Data Element Data Type an Position 010

4.26 SG3 — Segment Group 3: RFF-DTM

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG3 — Segment Group 3: RFF-DTM	1 .. 99		018 0		
└ └ RFF — Reference	1 .. 1		019 0		

Documentation

Definition A group of segments containing a reference and constants which apply to the entire message.

Properties

Identifier SG3
Name Segment Group 3: RFF-DTM
Cardinality min: 1 max: 99

Syntax Type Related

External Category Segment Group
Position 0180
Level 2

4.27 RFF — Reference

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG3 — Segment Group 3: RFF-DTM	1 .. 99		018 0		
└ └ RFF — Reference	1 .. 1		019 0		
└ └ └ C506 — Reference	1 .. 1		010		

Documentation

Definition A segment to express a reference which applies to the entire message such as: the document/message number that is to be updated by this very message (according to data element 1225 Message Function, Coded in segment BGM), booking reference, order number, insurance contract, etc.

Properties

Identifier RFF
Name Reference
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 0190
Level 3

Notes

Usage 1 RFF+ZZ1, ZZ2, ZZ7 and ZZ8 fields contain Sendersystem-ID, Freightorder-ID, Loadingstop-ID and Unloadingstop-ID. The same fields are expected in corresponding IFTSTA messages.
Example 1 RFF+DQ:801250912' RFF+ZZ1:QM7_910' RFF+ZZ2:500167201' RFF+ZZ7:1' RFF+ZZ8:3'

4.28 C506 — Reference

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG3 — Segment Group 3: RFF-DTM	1 .. 99		018 0		
└ └ RFF — Reference	1 .. 1		019 0		
└ └ └ C506 — Reference	1 .. 1		010		
└ └ └ └ 1153 — Reference qualifier	1 .. 1	String	010	1 .. 3	1153_custom
└ └ └ └ 1154 — Reference number	1 .. 1	String	020	1 .. 35	

Documentation

Definition Identification of a reference.

Properties

Identifier C506

Name Reference

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 010

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
1153 Reference qualifier	Code giving specific meaning to a reference segment or a reference number. Constraint 1 RFF+ZZ1-6 needed for updating the status of the original freight order after receiving IFTSTA message. It is mandatory that the corresponding IFTSTA message contains the same RFF+ZZ1-6 segments. Selected Values Code DQ Name Delivery note number Reference number assigned by the issuer to a delivery note. Code ON Name Order number (purchase) [1022] Reference number assigned by the buyer to an order. Code ZZ1 Name Originator ID Sender system ID Code ZZ2 Name Freight order ID Code ZZ3 Name Loading location ID Code ZZ4 Name Unloading location ID Code ZZ5 Name Ordering party LBN ID Code ZZ6 Name Carrier LBN ID Code ZZ7 Name Loading stop ID Code ZZ8 Name Unloading stop ID	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id 1153_custom Version Mode Fixed
1154 Reference number	Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Data Element Data Type an Position 020

4.29 SG11 — Segment Group 11: NAD-LOC-MOA-SG12-SG13-SG14-SG15-SG16-SG17**Structure**

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
SG11 — Segment Group 11: NAD-LOC-MOA-SG12-SG13-SG14-SG15-SG16-SG17	0 .. 3		056 0		
NAD — Name and address	1 .. 1		057 0		

Documentation

Definition A group of segments to identify a party, related references, locations contacts, required documents, and charges to be paid by the party.

Properties

Identifier SG11
Name Segment Group 11: NAD-LOC-MOA-SG12-SG13-SG14-SG15-SG16-SG17
Cardinality min: 0 max: 3

Syntax Type Related

External Category Segment Group
Position 0560
Level 2

4.30 NAD — Name and address

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG11 — Segment Group 11: NAD-LOC-MOA-SG12-SG13-SG14-SG15-SG16-SG17	0 .. 3		056 0		
└ └ NAD — Name and address	1 .. 1		057 0		
└ └ └ 3035 — Party qualifier	1 .. 1	String	010	1 .. 3	3035
└ └ └ C082 — Party identification details	0 .. 1		020		
└ └ └ C080 — Party name	0 .. 1		040		
└ └ └ C059 — Street	0 .. 1		050		
└ └ └ 3164 — City name	0 .. 1	String	060	1 .. 35	
└ └ └ 3251 — Postcode identification	0 .. 1	String	080	1 .. 9	
└ └ └ 3207 — Country, coded	0 .. 1	String	090	1 .. 3	ISO_3166-1

Documentation

Definition A segment to identify the party's name, address, and function.

Properties

Identifier NAD
Name Name and address
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 0570
Level 3

Notes

Usage 1 In SAP LBN the street name and house ID are separate fields and can be longer than 35 characters when concatenated. The street name will be shortened in case it exceeds the maximum length, so that it fits with the unshortened house ID into the data element.

Example 1 NAD+CZ+1234567890000++ABCDEF GHIJLMN GmbH+Straße 111+STADT++12345+DE'

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
3035 Party qualifier	Code giving specific meaning to a party. Selected Values Code CZ Name Consignor (3336) Party which, by contract with a carrier, consigns or sends goods with the carrier, or has them conveyed by him. Synonym: shipper, sender. Code FW Name Freight forwarder Party arranging forwarding of goods. Code CN Name Consignee (3132) Party to which goods are consigned. Code II Name Issuer of invoice (3028) Party issuing an invoice. Code IV Name Invoicee (3006) Party to whom an invoice is issued. Code VN Name Vendor Party vending goods or services.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id 3035 Type System UNEDIFACT Version Mode Current Version D.96A S3
3164 City name	Name of a city (a town, a village) for addressing purposes.	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 35

	Usage 1 Party or location city	External Category Data Element Data Type an Position 060
3251 Postcode identification	Code defining postal zones or addresses. Note: Use code defined by appropriate national authority. Usage 1 Party or location postal code	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 9 External Category Data Element Data Type an Position 080
3207 Country, coded	Identification of the name of a country or other geographical entity as specified in ISO 3166. Note: Use ISO 3166 two alpha country code. Usage 1 Identification of the name of the country or other geographical entity by ISO 3166 two alpha country code. Selected Values All Values in Codelist	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 090 Codelist Id ISO_3166-1 Type System ISO_CodelistsAndSchemes Version Mode Latest Version 2013

4.31 C082 — Party identification details

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG11 — Segment Group 11: NAD-LOC-MOA-SG12-SG13-SG14-SG15-SG16-SG17	0 .. 3		056 0		
└ └ NAD — Name and address	1 .. 1		057 0		
└ └ └ C082 — Party identification details	0 .. 1		020		
└ └ └ └ 3039 — Party id. identification	1 .. 1	String	010	1 .. 35	

Documentation

Definition Identification of a transaction party by code.

Properties

Identifier C082
Name Party identification details
Cardinality min: 0 max: 1

Syntax Type Related

External Category Composite Data Element
Position 020

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
3039 Party id. identification	Code identifying a party involved in a transaction. Note: User or association defined code. May be used in combination with 1131/3055. Usage 1 The identifier of the business partner in the sending system. For consignor and forwarder it is the business partner internal ID, for the consignee it is the unloading location internal ID.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Data Element Data Type an Position 010

4.32 C080 — Party name

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG11 — Segment Group 11: NAD-LOC-MOA-SG12-SG13-SG14-SG15-SG16-SG17	0 .. 3		056 0		
└ └ NAD — Name and address	1 .. 1		057 0		
└ └ └ C080 — Party name	0 .. 1		040		
└ └ └ └ 3036 — Party name	1 .. 1	String	010	1 .. 35	

Documentation

Definition Identification of a transaction party by name, one to five lines. Party name may be formatted.

Properties

Identifier C080

Name Party name

Cardinality min: 0 max: 1

Syntax Type Related

External Category Composite Data Element

Position 040

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
3036 Party name	Name of a party involved in a transaction. Usage 1 The four lines of a party name defined in SAP LBN will be shortened to 35 characters each. There will be no line wrapping.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Data Element Data Type an Position 010

4.33 C059 — Street

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG11 — Segment Group 11: NAD-LOC-MOA-SG12-SG13-SG14-SG15-SG16-SG17	0 .. 3		056 0		
└ └ NAD — Name and address	1 .. 1		057 0		
└ └ └ C059 — Street	0 .. 1		050		
└ └ └ 3042 — Street and number/p.o. box	1 .. 1	String	010	1 .. 35	

Documentation

Definition Street address and/or PO Box number in a structured address: one to three lines.

Properties

Identifier C059

Name Street

Cardinality min: 0 max: 1

Syntax Type Related

External Category Composite Data Element

Position 050

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
3042 Street and number/p.o. box	Street and number in plain language, or Post Office Box No.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Data Element Data Type an Position 010

4.34 SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG32

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ GID — Goods item details	1 .. 1		089 0		
└ └ FTX — Free text	0 .. 9		097 0		
└ └ SG20 — Segment Group 20: MEA-EQN	0 .. 3		102 0		
└ └ SG23 — Segment Group 23: PCI-RFF-DTM-GIN	0 .. 1		111 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		

Documentation

Definition A group of segments to describe the goods items for which transport is undertaken.

Properties

Identifier SG18
Name Segment Group 18:
GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-SG20-SG21-SG22-SG32
Cardinality min: 0 max: 999

Syntax Type Related

External Category Segment Group
Position 0880
Level 2

4.35 GID — Goods item details

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ GID — Goods item details	1 .. 1		089 0		
└ └ └ 1496 — Goods item number	1 .. 1	Decimal	010	1 .. 5	
└ └ └ C213 — Number and type of packages	0 .. 1		020		

Documentation

Definition A segment to identify a goods item for which transport is undertaken. A goods item can be identified by up to three levels of packaging.

Properties

Identifier GID
Name Goods item details
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 0890
Level 3

Notes

Example 1 `<p style="text-align: left">GID+1+1:DD::000000000130000016'</p> <p style="text-align: left">In this example internal material ID 000000000130000006 is a 'Düsseldorfer Palette (nicht förderähig)', which was mapped to package type DD.</p>`

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
1496 Goods item number	Serial number differentiating each separate goods item entry of a consignment as contained in one document/declaration. Usage 1 Consecutive number starting with 1, not to be confused with a PRO number.	Cardinality min: 1 max: 1 Primitive Type Decimal Length min: 1 max: 5 Total Digits 5 External Category Data Element Data Type n Position 010

4.36 C213 — Number and type of packages

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ GID — Goods item details	1 .. 1		089 0		
└ └ └ C213 — Number and type of packages	0 .. 1		020		
└ └ └ └ 7224 — Number of packages	0 .. 1	Decimal	010	1 .. 8	
└ └ └ └ 7065 — Type of packages identification	0 .. 1	String	020	1 .. 17	7065_custom
└ └ └ └ 7064 — Type of packages	0 .. 1	String	050	1 .. 35	

Documentation

Definition Number and type of individual parts of a shipment.

Properties

Identifier C213
Name Number and type of packages
Cardinality min: 0 max: 1

Syntax Type Related

External Category Composite Data Element
Position 020

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
7224 Number of packages	Number of individual parts of a shipment either unpacked, or packed in such a way that they cannot be divided without first undoing the packing.	Cardinality min: 0 max: 1 Primitive Type Decimal Length min: 1 max: 8 Total Digits 8 External Category Data Element Data Type n Position 010
7065 Type of packages identification	Coded description of the form in which goods are presented. Note: See UN/ECE Recommendation No. 21 (See Vol. II of UNTDED). May be used in combination with 1131/3055. Comment 1 This is an SAP-defined codelist. Selected Values Code BJ Name Bucket Code BO Name Bottle Code BX Name Box Code CT Name Carton Code DD Name Düsseldorf pallet (800 mm x 600 mm) Code HO Name Hobbock Code IB Name Intermediate bulk container (IBC) Code IP Name Industrial pallet (1000 mm x 1200 mm) Code PE Name Europallet (800 mm x 1200 mm) Code SA Name Sack Code BG Name Bag Code BL Name Bale, compressed	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 17 External Category Data Element Data Type an Position 020 Codelist Id 7065_custom Version Mode Fixed

	Code BN Name Bale, non-compressed Code BA Name Barrel Code BE Name Bundle Code CX Name Can, cylindrical Code CS Name Case Code CK Name Cask Code CL Name Coil Code CR Name Crate Code CY Name Cylinder Code DR Name Drum Code ED Name Case, with pallet base Code IG Name Package, paper wrapped Code JY Name Jerrican, cylindrical Code MW Name Receptacle, plastic wrapped Code OTH Name Other Code PL Name Pail Code PF Name Pallet Code PB Name Pallet, box Code PC Name Parcel Code PCS Name Pieces Code REL Name Reel Code RO Name Roll Code SP Name Sheet, plastic wrapping Code SW Name Shrinkwrapped Code SI Name Skid Code SPL Name Spool Code TY Name Tank, cylindrical Code TK Name Tank, rectangular Code TBN Name Tote Bin Code TU Name Tube Code 3H Name Jerrican, plastic Code 6H Name Composite packaging	
7064 Type of packages	Description of the form in which goods are presented. Usage 1 The internal id of the original packaging material in the sender system.	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 35 External Category Data Element Data Type an Position 050

4.37 FTX — Free text

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
├ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
│ └ FTX — Free text	0 .. 9		097 0		
│ │ └ 4451 — Text subject qualifier	0 .. 1	String	010	1 .. 3	SG18_FTX_4451_c ustom
│ │ └ C108 — Text literal	1 .. 1		040		
│ │ └ 3453 — Language, coded	0 .. 1	String	050	1 .. 3	ISO_639-1_custom

Documentation

Definition A segment to specify processable supplementary information relating to the goods item.

Properties

Identifier FTX
Name Free text
Cardinality min: 0 max: 9

Syntax Type Related

External Category Segment
Position 0970
Level 3

Notes

- Usage 1** In general all relevant delivery information is transmitted as one or more FTX+DEL segments. If the original text exceeds 70 characters, a line wrap creates a consecutive list of FTX+DEL segments for every new line. There will be no word wrapping. All texts are language independent.
- Usage 2** In case descriptions are available for the goods packed into a package or onto a pallet, an additional FTX+AAA segment is created with the description of the first product item only. The other product descriptions are not transmitted.
- Example 1** <p>FTX+DEL+++Wichtig?
FTX+DEL+++ No Commercial Invoice with
Goods
FTX+DEL+++
FTX+DEL+++ T2 Transit
Required
FTX+DEL+++
FTX+DEL+++ Telephone ?+123 456 7890 PREBOOK 48 hours prior
to arrival</p>
- Example 2** FTX+AAA+++NAT-ORANGE-FLAVOURIN'

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
4451 Text subject qualifier	Code specifying subject of a free text. Selected Values Code DEL Name Delivery information Information about delivery. Code F0002 Name Item note Code EPKG Name External Package ID Code AAA Name Goods description [7002] Plain language description of the nature of the goods sufficient to identify them at the level required for banking, Customs, statistical or transport purposes, avoiding unnecessary detail (Generic term).	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id SG18_FTX_4451_custom Version Mode Fixed
3453	Code of language (ISO 639-1988). Note: Use ISO	Cardinality min: 0 max: 1

Language, coded	639-1988. Selected Values Code sr Name Serbian Code zh Name Chinese Code th Name Thai Code ko Name Korean Code ro Name Romanian Code sl Name Slovenian Code hr Name Croatian Code ms Name Malay Code uk Name Ukrainian Code et Name Estonian Code ar Name Arabic Code he Name Hebrew Code cs Name Czech Code de Name German Code en Name English Code fr Name French Code el Name Greek Code hu Name Hungarian Code it Name Italian Code ja Name Japanese Code da Name Danish Code pl Name Polish Code zf Name Chinese trad. Code nl Name Dutch Code no Name Norwegian Code pt Name Portuguese Code sk Name Slovak Code ru Name Russian Code es Name Spanish Code tr Name Turkish Code fi Name Finnish Code sv Name Swedish Code bg Name Bulgarian Code lt Name Lithuanian Code lv Name Latvian Code z1 Name Customer reserve Code af Name Afrikaans Code is Name Icelandic Code ca Name Catalan Code sh Name Serbian (Latin) Code id Name Indonesian Code hi Name Hindi Code kk Name Kazakh Code vi Name Vietnamese	<table><tr><td>Primitive Type</td><td>String</td></tr><tr><td>Length</td><td>min: 1 max: 3</td></tr><tr><td>External Category</td><td>Data Element</td></tr><tr><td>Data Type</td><td>an</td></tr><tr><td>Position</td><td>050</td></tr></table> <table><tr><td>Codelist Id</td><td>ISO_639-1_custom</td></tr><tr><td>Version Mode</td><td>Fixed</td></tr></table>	Primitive Type	String	Length	min: 1 max: 3	External Category	Data Element	Data Type	an	Position	050	Codelist Id	ISO_639-1_custom	Version Mode	Fixed
Primitive Type	String															
Length	min: 1 max: 3															
External Category	Data Element															
Data Type	an															
Position	050															
Codelist Id	ISO_639-1_custom															
Version Mode	Fixed															

4.38 C108 — Text literal

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
├ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
│ └ FTX — Free text	0 .. 9		097 0		
│ │ └ C108 — Text literal	1 .. 1		040		
│ │ │ └ 4440 — Free text	1 .. 1	String	010	1 .. 70	

Documentation

Definition Free text; one to five lines.

Properties

Identifier C108

Name Text literal

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 040

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
4440 Free text	Free text field available to the message sender for information.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 70 External Category Data Element Data Type an Position 010

4.39 SG20 — Segment Group 20: MEA-EQN**Structure**

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
SG20 — Segment Group 20: MEA-EQN	0 .. 3		102 0		
MEA — Measurements	1 .. 1		103 0		

Documentation

Definition A group of segments to specify measurements applicable to a goods item.

Properties

Identifier SG20
Name Segment Group 20: MEA-EQN
Cardinality min: 0 max: 3

Syntax Type Related

External Category Segment Group
Position 1020
Level 3

Notes

Usage 1 For top level items gross weight, net weight and gross volume are transmitted, if values are maintained in the freight order.
Example 1 MEA+WT+AAE+KGM:58.78' MEA+WT+AAF+KGM:57.00' MEA+VOL+AAW+MTQ:1.884'

4.40 MEA — Measurements

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG20 — Segment Group 20: MEA-EQN	0 .. 3		102 0		
└ └ └ MEA — Measurements	1 .. 1		103 0		
└ └ └ └ 6311 — Measurement application qualifier	1 .. 1	String	010	1 .. 3	6311
└ └ └ └ C502 — Measurement details	1 .. 1		020		
└ └ └ └ C174 — Value/range	1 .. 1		030		

Documentation

Definition A segment to specify measurements, other than dimensions, applicable to a goods item.

Properties

Identifier MEA
Name Measurements
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 1030
Level 4

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
6311 Measurement application qualifier	Specification of the application of the physical measurement used. Selected Values Code WT Code VOL	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010
		Codelist Id 6311 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.41 C502 — Measurement details

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG20 — Segment Group 20: MEA-EQN	0 .. 3		102 0		
└ └ └ MEA — Measurements	1 .. 1		103 0		
└ └ └ └ C502 — Measurement details	1 .. 1		020		
└ └ └ └ └ 6313 — Measurement dimension, coded	1 .. 1	String	010	1 .. 3	6313

Documentation

Definition Identification of measurement type.

Properties

Identifier C502

Name Measurement details

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 020

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
6313 Measurement dimension, coded	Specification of the type of dimension to be measured. Selected Values Code AAE Code AAF Code AAW	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010
		Codelist Id 6313 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.42 C174 — Value/range

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG20 — Segment Group 20: MEA-EQN	0 .. 3		102 0		
└ └ └ MEA — Measurements	1 .. 1		103 0		
└ └ └ └ C174 — Value/range	1 .. 1		030		
└ └ └ └ └ 6411 — Measure unit qualifier	1 .. 1	String	010	1 .. 3	Rec_20
└ └ └ └ └ 6314 — Measurement value	1 .. 1	Decimal	020	1 .. 18	

Documentation

Definition Measurement value and relevant minimum and maximum tolerances in that order.

Properties

Identifier C174
Name Value/range
Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element
Position 030

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
6411 Measure unit qualifier	Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. Note: See UN/ECE Recommendation 20. Selected Values Code LBR Name pound Code TNE Name tonne (metric ton) Synonym: metric ton Code CMQ Name cubic centimetre Code DMQ Name cubic decimetre Code FC Name thousand cubic foot A unit of volume equal to one thousand cubic foot. Code FTQ Name cubic foot Code INQ Name cubic inch Synonym: inch cubed Code LTR Name litre Code MTQ Name cubic metre Synonym: metre cubed Code YDQ Name cubic yard Code KGM Name kilogram A unit of mass equal to one thousand grams.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id Rec_20 Type System UNCEFACT_TFR Version Mode Latest Version 2016
6314 Measurement value	Value of the measured unit. Usage 1 Values are rounded to a maximum of three decimal places.	Cardinality min: 1 max: 1 Primitive Type Decimal Length min: 1 max: 18 Total Digits 18 External Category Data Element Data Type n Position 020

4.43 SG23 — Segment Group 23: PCI-RFF-DTM-GIN

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG23 — Segment Group 23: PCI-RFF-DTM-GIN	0 .. 1		111 0		
└ └ └ PCI — Package identification - Marked with serial shipping container code	1 .. 1		112 0		
└ └ └ GIN — Goods identity number	1 .. 1		115 0		

Documentation

Definition A group of segments to specify marks and numbers of a goods item.

Properties

Identifier SG23
Name Segment Group 23: PCI-RFF-DTM-GIN
Cardinality min: 0 max: 1

Syntax Type Related

External Category Segment Group
Position 1110
Level 3

4.44 PCI [4233 = "33E"] — Package identification - Marked with serial shipping container code

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG23 — Segment Group 23: PCI-RFF-DTM-GIN	0 .. 1		111 0		
└ └ └ PCI — Package identification - Marked with serial shipping container code	1 .. 1		112 0		
└ └ └ └ 4233 — Marking instructions, coded	1 .. 1	String	010	1 .. 3	4233_custom

Documentation

Definition A segment to specify marks and numbers of a goods item.

Properties

Identifier PCI
Name Package identification - Marked with serial shipping container code
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 1120
Level 4

Notes

Usage 1

In case a SSCC/NVE number is available for the package item two PCI segments and one GIN segment are transmitted together:

- PCI+28 contains the freight order identifier and is redundant to the FTX+RE
- PCI+33E is an SAP-defined constant
- GIN+BJ for transmitting the SSCC/NVE number

Example 1

PCI+28+5000154024'
PCI+33E'
GIN+BJ+140459973028819358

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
4233 Marking instructions, coded	Code indicating instructions on how specified packages or physical units should be marked. Selected Values Code 33E Name Marked with serial shipping container code	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Fixed Value 33E Codelist Id 4233_custom Version Mode Fixed

4.45 GIN — Goods identity number

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG23 — Segment Group 23: PCI-RFF-DTM-GIN	0 .. 1		111 0		
└ └ └ GIN — Goods identity number	1 .. 1		115 0		
└ └ └ └ 7405 — Identity number qualifier	1 .. 1	String	010	1 .. 3	7405
└ └ └ └ C208 — Identity number range	1 .. 1		020		

Documentation

Definition To specify identity numbers related to transport units such as batch numbers or serial numbers.

Properties

Identifier GIN
Name Goods identity number
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 1150
Level 4

Notes

Example 1 GIN+BJ+140459973028819358'

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
7405 Identity number qualifier	Code specifying the type/source of identity number. Selected Values Code BJ	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Fixed Value BJ
		Codelist Id 7405 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.46 C208 — Identity number range

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG23 — Segment Group 23: PCI-RFF-DTM-GIN	0 .. 1		111 0		
└ └ └ GIN — Goods identity number	1 .. 1		115 0		
└ └ └ C208 — Identity number range	1 .. 1		020		
└ └ └ └ 7402 — Identity number	1 .. 1	String	010	1 .. 35	

Documentation

Definition Goods item identification numbers, start and end of consecutively numbered range.

Properties

Identifier C208

Name Identity number range

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 020

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
7402 Identity number	A value given to an object for identification purposes. Usage 1 SSCC/NVE number	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 35 External Category Data Element Data Type an Position 010

4.47 SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35**Structure**

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ └ └ DGS — Dangerous goods	1 .. 1		148 0		
└ └ └ FTX — Free text	0 .. 99		149 0		
└ └ └ SG34 — Segment Group 34: MEA-EQN	0 .. 9		153 0		

Documentation

Definition A group of segments to specify dangerous goods details related to the goods item. One goods item may be in different dangerous goods classes.

Properties

Identifier SG32
Name Segment Group 32: DGS-FTX-SG33-SG34-SG35
Cardinality min: 0 max: 9

Syntax Type Related

External Category Segment Group
Position 1470
Level 3

4.48 DGS — Dangerous goods

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ DGS — Dangerous goods	1 .. 1		148 0		
└ 8273 — Dangerous goods regulations, coded	1 .. 1	String	010	1 .. 3	8273
└ C205 — Hazard code	1 .. 1		020		
└ C234 — Undg information	0 .. 1		030		
└ C223 — Dangerous goods shipment flashpoint	0 .. 1		040		
└ 8339 — Packing group, coded	0 .. 1	String	050	1 .. 3	8339_custom
└ C236 — Dangerous goods label	0 .. 1		100		

Documentation

Definition A segment to indicate the class of dangerous goods, packing group, etc.

Properties

Identifier DGS
Name Dangerous goods
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 1480
Level 4

Notes

Comment 1 Not all code list values are listed explicitly for the data elements in the DGS segment due to complexity reasons and frequency of change.

Example 1 DGS+ADR+9:M6+3082+099:CEL+III+++++9:X:X'

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
8273 Dangerous goods regulations, coded	Code indicating the regulation, international or national, applicable for a means of transport. Usage 1 Currently only ADR is supported. Selected Values Code ADR	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Fixed Value ADR Codelist Id 8273 Type System UNEDIFACT Version Mode Current Version D.96A S3
8339 Packing group, coded	Identification of a packing group by code. Usage 1 Group I, II, III according to IATA/IMDG/ADR/RID regulations. Selected Values	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 050

	Code I Name Great danger Packaging meeting criteria to pack hazardous materials with great danger. Group I according to IATA/IMDG/ADR/RID regulations. Code II Name Medium danger Packaging meeting criteria to pack hazardous materials with great danger. Group II according to IATA/IDMG/ADR/RID regulations. Code III Name Minor danger Packaging meeting criteria to pack hazardous materials with great danger. Group III according to IATA/IDMG/ADR/RID regulations.	Codelist Id 8339_custom Version Mode Fixed
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4.49 C205 — Hazard code

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ └ └ DGS — Dangerous goods	1 .. 1		148 0		
└ └ └ └ C205 — Hazard code	1 .. 1		020		
└ └ └ └ └ 8351 — Hazard code identification	1 .. 1	String	010	1 .. 7	
└ └ └ └ └ 8078 — Hazard substance/item/page number	1 .. 1	String	020	1 .. 7	

Documentation

Definition The identification of the dangerous goods in code.

Properties

Identifier C205

Name Hazard code

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 020

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
8351 Hazard code identification	Dangerous goods code. Note: Use relevant code list.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 7 External Category Data Element Data Type an Position 010
8078 Hazard substance/item/page number	Number giving additional hazard code classification of a goods item within the applicable dangerous goods regulation.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 7 External Category Data Element Data Type an Position 020

4.50 C234 — Undg information

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ └ └ DGS — Dangerous goods	1 .. 1		148 0		
└ └ └ C234 — Undg information	0 .. 1		030		
└ └ └ └ 7124 — UNDG number	1 .. 1	Decimal	010	4 .. 4	

Documentation

Definition Information on United Nations Dangerous Goods classification.

Properties

Identifier C234
Name Undg information
Cardinality min: 0 max: 1

Syntax Type Related

External Category Composite Data Element
Position 030

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
7124 UNDG number	Unique serial number assigned within the United Nations to substances and articles contained in a list of the dangerous goods most commonly carried.	Cardinality min: 1 max: 1 Primitive Type Decimal Length min: 4 max: 4 Total Digits 4 External Category Data Element Data Type n Position 010

4.51 C223 — Dangerous goods shipment flashpoint

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ └ └ DGS — Dangerous goods	1 .. 1		148 0		
└ └ └ └ C223 — Dangerous goods shipment flashpoint	0 .. 1		040		
└ └ └ └ └ 7106 — Shipment flashpoint	1 .. 1	Decimal	010	3 .. 3	
└ └ └ └ └ └ 6411 — Measure unit qualifier	1 .. 1	String	020	1 .. 3	Rec_20

Documentation

Definition Temperature at which a vapor according to ISO 1523/73 can be ignited.

Properties

Identifier C223
Name Dangerous goods shipment flashpoint
Cardinality min: 0 max: 1

Syntax Type Related

External Category Composite Data Element
Position 040

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
7106 Shipment flashpoint	Temperature in centigrade determined by the closed cup test as per ISO 1523/73 where a vapour is given off that can be ignited.	Cardinality min: 1 max: 1 Primitive Type Decimal Length min: 3 max: 3 Total Digits 3 External Category Data Element Data Type n Position 010
6411 Measure unit qualifier	Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. Note: See UN/ECE Recommendation 20. Selected Values Code CEL Name degree Celsius Refer ISO 80000-5 (Quantities and units — Part 5: Thermodynamics) Code FAH Name degree Fahrenheit Refer ISO 80000-5 (Quantities and units — Part 5: Thermodynamics) Code KEL Name kelvin Refer ISO 80000-5 (Quantities and units — Part 5: Thermodynamics)	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 020 Codelist Id Rec_20 Type System UNCEFACT_TFR Version Mode Latest Version 2016

4.52 C236 — Dangerous goods label

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ └ └ DGS — Dangerous goods	1 .. 1		148 0		
└ └ └ └ C236 — Dangerous goods label	0 .. 1		100		
└ └ └ └ └ 8246 — Dangerous goods label marking	0 .. 1	String	010	1 .. 4	
└ └ └ └ └ 8246 — Dangerous goods label marking	0 .. 1	String	020	1 .. 4	
└ └ └ └ └ 8246 — Dangerous goods label marking	0 .. 1	String	030	1 .. 4	

Documentation

Definition Markings identifying the type of hazardous goods and similar information.

Properties

Identifier C236
Name Dangerous goods label
Cardinality min: 0 max: 1

Syntax Type Related

External Category Composite Data Element
Position 100

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
8246 Dangerous goods label marking	Marking identifying the type of hazardous goods (substance), Loading/Unloading instructions and advising actions in case of emergency. Usage 1 First label marking	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 4 External Category Data Element Data Type an Position 010
8246 Dangerous goods label marking	Marking identifying the type of hazardous goods (substance), Loading/Unloading instructions and advising actions in case of emergency. Usage 1 Second label marking	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 4 External Category Data Element Data Type an Position 020
8246 Dangerous goods label marking	Marking identifying the type of hazardous goods (substance), Loading/Unloading instructions and advising actions in case of emergency. Usage 1 Third label marking	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 4 External Category Data Element Data Type an Position 030

4.53 FTX — Free text

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ └ └ FTX — Free text	0 .. 99		149 0		
└ └ └ 4451 — Text subject qualifier	0 .. 1	String	010	1 .. 3	SG18_SG32_FTX_4 451_custom
└ └ └ C107 — Text reference	0 .. 1		030		
└ └ └ C108 — Text literal	1 .. 1		040		
└ └ └ 3453 — Language, coded	0 .. 1	String	050	1 .. 3	ISO_639-1_custom

Documentation

Definition A segment to specify the dangerous goods technical name and to specify any additional dangerous goods information.

Properties

Identifier FTX
Name Free text
Cardinality min: 0 max: 99

Syntax Type Related

External Category Segment
Position 1490
Level 4

Notes

Usage 1 Dangerous goods items can have up to four different FTX segments:
 ñ FTX+AAE contains additional information for dangerous goods technical name.
 ñ FTX+AAD contains the dangerous goods technical name.
 ñ FTX+F02 contains the type of the packaging material and number of packages. Please refer to 7065_custom code list.
 ñ FTX+DEL contains the delivery information.
 ñ FTX+SPH contains special handling information.

FTX+HAZ++15:ZZZ' will be transmitted as fixed segment, if the dangerous goods substance is environmentally hazardous, i.e. marine pollutant or of classification code 9.

Example 1 FTX+AAE+++d-Limonene' FTX+AAD+++ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.' FTX+F02+++KK::2' FTX+DEL+++Kuehle und trockene Lagerung' FTX+SPH+++Handle with care, shock-sensitive material' FTX+HAZ++15:ZZZ'

Example 2 FTX+AAE++15:ZZZ+d-Limonene::2'

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
4451 Text subject qualifier	Code specifying subject of a free text. Selected Values Code AAD Name Dangerous goods, technical name Code AAE Name Acknowledgement description Code F02 Name Package type Code DEL Name Delivery information Code SPH Name Special handling Code HAZ Name Hazard information	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id SG18_SG32_FTX_4451_custom Version Mode Fixed

3453 Language, coded	Code of language (ISO 639-1988). Note: Use ISO 639-1988. Selected Values Code sr Name Serbian Code zh Name Chinese Code th Name Thai Code ko Name Korean Code ro Name Romanian Code sl Name Slovenian Code hr Name Croatian Code ms Name Malay Code uk Name Ukrainian Code et Name Estonian Code ar Name Arabic Code he Name Hebrew Code cs Name Czech Code de Name German Code en Name English Code fr Name French Code el Name Greek Code hu Name Hungarian Code it Name Italian Code ja Name Japanese Code da Name Danish Code pl Name Polish Code zf Name Chinese trad. Code nl Name Dutch Code no Name Norwegian Code pt Name Portuguese Code sk Name Slovak Code ru Name Russian Code es Name Spanish Code tr Name Turkish Code fi Name Finnish Code sv Name Swedish Code bg Name Bulgarian Code lt Name Lithuanian Code lv Name Latvian Code z1 Name Customer reserve Code af Name Afrikaans Code is Name Icelandic Code ca Name Catalan Code sh Name Serbian (Latin) Code id Name Indonesian Code hi Name Hindi Code kk Name Kazakh Code vi Name Vietnamese	<table><tr><td>Cardinality</td><td>min: 0 max: 1</td></tr><tr><td>Primitive Type</td><td>String</td></tr><tr><td>Length</td><td>min: 1 max: 3</td></tr><tr><td>External Category</td><td>Data Element</td></tr><tr><td>Data Type</td><td>an</td></tr><tr><td>Position</td><td>050</td></tr><tr><td>Fixed Value</td><td>EN</td></tr></table> <table><tr><td>Codelist Id</td><td>ISO_639-1_custom</td></tr><tr><td>Version Mode</td><td>Fixed</td></tr></table>	Cardinality	min: 0 max: 1	Primitive Type	String	Length	min: 1 max: 3	External Category	Data Element	Data Type	an	Position	050	Fixed Value	EN	Codelist Id	ISO_639-1_custom	Version Mode	Fixed
Cardinality	min: 0 max: 1																			
Primitive Type	String																			
Length	min: 1 max: 3																			
External Category	Data Element																			
Data Type	an																			
Position	050																			
Fixed Value	EN																			
Codelist Id	ISO_639-1_custom																			
Version Mode	Fixed																			

4.54 C107 — Text reference

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ └ └ FTX — Free text	0 .. 99		149 0		
└ └ └ └ C107 — Text reference	0 .. 1		030		
└ └ └ └ └ 4441 — Free text, coded	1 .. 1	String	010	1 .. 3	
└ └ └ └ └ 1131 — Code list qualifier	0 .. 1	String	020	1 .. 3	1131

Documentation

Definition Coded reference to a standard text and its source.

Properties

Identifier C107

Name Text reference

Cardinality min: 0 max: 1

Syntax Type Related

External Category Composite Data Element

Position 030

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
4441 Free text, coded	Free text in coded form. Note: User or association defined code. May be used in combination with 1131/3055.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010
1131 Code list qualifier	Identification of a code list. Selected Values Code ZZZ	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 020 Codelist Id 1131 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.55 C108 — Text literal

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ └ └ FTX — Free text	0 .. 99		149 0		
└ └ └ └ C108 — Text literal	1 .. 1		040		
└ └ └ └ └ 4440 — Free text	1 .. 1	String	010	1 .. 70	
└ └ └ └ └ 4440 — Free text	0 .. 1	String	030	1 .. 70	

Documentation

Definition Free text; one to five lines.

Properties

Identifier C108

Name Text literal

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 040

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
4440 Free text	Free text field available to the message sender for information.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 70 External Category Data Element Data Type an Position 010
4440 Free text	Free text field available to the message sender for information.	Cardinality min: 0 max: 1 Primitive Type String Length min: 1 max: 70 External Category Data Element Data Type an Position 030

4.56 SG34 — Segment Group 34: MEA-EQN

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
SG34 — Segment Group 34: MEA-EQN	0 .. 9		153 0		
MEA — Measurements	1 .. 1		154 0		

Documentation

Definition A group of segments to identify dangerous goods measurements.

Properties

Identifier SG34
Name Segment Group 34: MEA-EQN
Cardinality min: 0 max: 9

Syntax Type Related

External Category Segment Group
Position 1530
Level 4

4.57 MEA — Measurements

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ └ └ SG34 — Segment Group 34: MEA-EQN	0 .. 9		153 0		
└ └ └ └ MEA — Measurements	1 .. 1		154 0		
└ └ └ └ └ 6311 — Measurement application qualifier	1 .. 1	String	010	1 .. 3	6311
└ └ └ └ └ C502 — Measurement details	1 .. 1		020		
└ └ └ └ └ C174 — Value/range	1 .. 1		030		

Documentation

Definition A segment to specify measurements of the dangerous goods.

Properties

Identifier MEA
Name Measurements
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 1540
Level 5

Notes

Example 1 MEA+WT+AAE+KGM:50.0'

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
6311 Measurement application qualifier	Specification of the application of the physical measurement used. Selected Values Code VOL Code WT	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010
		Codelist Id 6311 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.58 C502 — Measurement details

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ └ └ SG34 — Segment Group 34: MEA-EQN	0 .. 9		153 0		
└ └ └ └ MEA — Measurements	1 .. 1		154 0		
└ └ └ └ └ C502 — Measurement details	1 .. 1		020		
└ └ └ └ └ └ 6313 — Measurement dimension, coded	1 .. 1	String	010	1 .. 3	6313

Documentation

Definition Identification of measurement type.

Properties

Identifier C502

Name Measurement details

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 020

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
6313 Measurement dimension, coded	Specification of the type of dimension to be measured. Selected Values Code AAE Code AAF Code AAW	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id 6313 Type System UNEDIFACT Version Mode Current Version D.96A S3

4.59 C174 — Value/range

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ SG18 — Segment Group 18: GID-HAN-TMP-RNG-TMD-LOC-MOA-PIA-FTX-SG19-GDS-S G20-SG21-SG22-SG32	0 .. 999		088 0		
└ └ SG32 — Segment Group 32: DGS-FTX-SG33-SG34-SG35	0 .. 9		147 0		
└ └ └ SG34 — Segment Group 34: MEA-EQN	0 .. 9		153 0		
└ └ └ └ MEA — Measurements	1 .. 1		154 0		
└ └ └ └ └ C174 — Value/range	1 .. 1		030		
└ └ └ └ └ └ 6411 — Measure unit qualifier	1 .. 1	String	010	1 .. 3	Rec_20
└ └ └ └ └ └ └ 6314 — Measurement value	1 .. 1	Decimal	020	1 .. 18	

Documentation

Definition Measurement value and relevant minimum and maximum tolerances in that order.

Properties

Identifier C174

Name Value/range

Cardinality min: 1 max: 1

Syntax Type Related

External Category Composite Data Element

Position 030

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
6411 Measure unit qualifier	Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed. Note: See UN/ECE Recommendation 20. Selected Values Code KGM Name kilogram A unit of mass equal to one thousand grams. Code LTR Name litre	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 3 External Category Data Element Data Type an Position 010 Codelist Id Rec_20 Type System UNCEFACT_TFR Version Mode Latest Version 2016
6314 Measurement value	Value of the measured unit. Usage 1 Values are rounded to a maximum of three decimal places.	Cardinality min: 1 max: 1 Primitive Type Decimal Length min: 1 max: 18 Total Digits 18 External Category Data Element Data Type n Position 020

4.60 UNT — MESSAGE TRAILER

Structure

Node	Card.	Prim.Type	Pos.	Length	Codelists
IFTMIN — Instruction message	1 .. 1				
└ UNT — MESSAGE TRAILER	1 .. 1		1880		
└ └ 0074 — Number of segments in a message	1 .. 1	Decimal	010	1 .. 6	
└ └ 0062 — Message reference number	1 .. 1	String	020	1 .. 14	

Documentation

Definition A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

Properties

Identifier UNT
Name MESSAGE TRAILER
Cardinality min: 1 max: 1

Syntax Type Related

External Category Segment
Position 1880
Level 2

Notes

Example 1 UNT+18+1'

Leaf Elements

Identifier/Name	Description/Notes/Code Values	Properties
0074 Number of segments in a message	Control count of number of segments in a message.	Cardinality min: 1 max: 1 Primitive Type Decimal Length min: 1 max: 6 Total Digits 6 External Category Data Element Data Type n Position 010
0062 Message reference number	Unique message reference assigned by the sender.	Cardinality min: 1 max: 1 Primitive Type String Length min: 1 max: 14 External Category Data Element Data Type an Position 020

5 COPYRIGHT STATEMENTS

5.1 Copyright Statement for MIG

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