

SD O IFTMAN D17A D21 STANDARD

EDI User Manual

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Functional Definition

Change History

DATE	VERSION	RESPONSIBLE	CHANGE
2019-06-17	1.0	ITSCM	Message guide created

Status Indicators

Status Indicators (M and C) form part of the UN/EDIFACT standard and indicate a minimum requirement to fulfil the needs of the message structure.

The Status Indicators are:

Indicator	Value	Description
M	Mandatory	This entity must appear in all messages. Shown as usage indicator "M" in Implementation Guidelines.
C	Conditional	This entity is used by agreement between the parties to the transaction.

A 'Conditional' Status Indicator may be represented by a supporting Usage Indicator which is either M, O, D or X.

Usage Indicators

Throughout this document reference is made to indicators (M, D, O and X) which are shown adjacent to data items and which dictate for the particular message or set thereof the agreed usage of the data items or entities.

Set out below are the indicators and their respective uses:

Indicator	Value	Description
M	Mandatory	Indicates that this entity is mandatory and must be sent in this implementation.
O	Optional	Indicates that this entity is at the need or discretion of the sender of the message.
D	Dependent	Indicates that the use of the entity depends upon a well-defined condition or set of conditions. These conditions must be clearly specified in the relevant implementation guideline.
X	Not Used	Indicates that the entity is not to be used in this message implementation.

Please be aware that each usage indicator describes the usage of an entity within it's parent entity. For example, a segment that is marked to be (M)andatory within an optional segment group must only be sent when the segment group is used.

Message Structure

Tag	Name	Status	Max. Use	Usage
UNA	Service String Advice	C	1	X
UNB	Interchange Header	M	1	M
UNG	Functional Group Header	C	1	X
UNH	Message Header	M	1	M
BGM	Beginning of Message	M	1	M
CTA	Contact Information	C	1	X
COM	Communication Contact	C	9	X
DTM	Date/Time/Period	C	9	O
TSR	Transport Service Requirements	C	9	X
CUX	Currencies	C	9	X
MOA	Monetary Amount	C	99	X
FTX	Free Text	C	99	X
CNT	Control Total	C	9	X
GDS	Nature of Cargo	C	9	X
Group1		C	99	O
LOC	Place/Location Identification	M	1	M
DTM	Date/Time/Period	C	9	O
Group2		C	2	X
TOD	Terms of Delivery or Transport	M	1	X
LOC	Place/Location Identification	C	9	X
Group3		C	99	O
RFF	Reference	M	1	M
DTM	Date/Time/Period	C	9	X
Group4		C	9	X
GOR	Governmental Requirements	M	1	X
DTM	Date/Time/Period	C	9	X
LOC	Place/Location Identification	C	9	X
SEL	Seal Number	C	9	X
FTX	Free Text	C	9	X
Group5		C	9	X
DOC	Document/Message Details	M	1	X
DTM	Date/Time/Period	C	1	X
Group6		C	9	X
CPI	Charge Payment Instructions	M	1	X
RFF	Reference	C	99	X
CUX	Currencies	C	1	X
LOC	Place/Location Identification	C	9	X
MOA	Monetary Amount	C	9	X

Group7		C	99	X
TCC	Charge/Rate Calculations	M	1	X
LOC	Place/Location Identification	C	1	X
FTX	Free Text	C	1	X
CUX	Currencies	C	1	X
PRI	Price Details	C	1	X
EQN	Number of Units	C	1	X
PCD	Percentage Details	C	1	X
MOA	Monetary Amount	C	9	X
QTY	Quantity	C	9	X

Group8		C	99	O
TDT	Transport Information	M	1	M
DTM	Date/Time/Period	C	9	X

Group9		C	9	X
TSR	Transport Service Requirements	M	1	X
SCC	Scheduling Conditions	C	9	X

Group10		C	99	O
LOC	Place/Location Identification	M	1	M
DTM	Date/Time/Period	C	9	O

Group11		C	9	X
RFF	Reference	M	1	X
DTM	Date/Time/Period	C	1	X

Group12		C	99	O
NAD	Name and Address	M	1	M
LOC	Place/Location Identification	C	9	X
MOA	Monetary Amount	C	9	X
Group13		C	9	X
CTA	Contact Information	M	1	X
COM	Communication Contact	C	9	X
Group14		C	9	X
DOC	Document/Message Details	M	1	X
DTM	Date/Time/Period	C	1	X
Group15		C	99	X
TCC	Charge/Rate Calculations	M	1	X
CUX	Currencies	C	1	X
PRI	Price Details	C	1	X
EQN	Number of Units	C	1	X
PCD	Percentage Details	C	1	X
MOA	Monetary Amount	C	9	X
QTY	Quantity	C	9	X
Group16		C	9	X
RFF	Reference	M	1	X
DTM	Date/Time/Period	C	9	X
Group17		C	9	X
CPI	Charge Payment Instructions	M	1	X
RFF	Reference	C	99	X
CUX	Currencies	C	1	X
LOC	Place/Location Identification	C	9	X
MOA	Monetary Amount	C	9	X
Group18		C	99	X
TSR	Transport Service Requirements	M	1	X
RFF	Reference	C	1	X
LOC	Place/Location Identification	C	1	X
TPL	Transport Placement	C	1	X
FTX	Free Text	C	9	X
Group19		C	99999	X
GID	Goods Item Details	M	1	X
HAN	Handling Instructions	C	1	X
TMP	Temperature	C	1	X
RNG	Range Details	C	1	X
TMD	Transport Movement Details	C	1	X
LOC	Place/Location Identification	C	9	X
MOA	Monetary Amount	C	9	X
PIA	Additional Product Id	C	9	X
FTX	Free Text	C	9	X
PCD	Percentage Details	C	9	X

Group20		C	9	X
NAD	Name and Address	M	1	X
DTM	Date/Time/Period	C	1	X
LOC	Place/Location Identification	C	9	X
GDS	Nature of Cargo	C	9	X
Group21		C	99	X
MEA	Measurements	M	1	X
EQN	Number of Units	C	1	X
Group22		C	99	X
DIM	Dimensions	M	1	X
EQN	Number of Units	C	1	X
Group23		C	9	X
RFF	Reference	M	1	X
DTM	Date/Time/Period	C	9	X
Group24		C	9	X
PCI	Package Identification	M	1	X
RFF	Reference	C	1	X
DTM	Date/Time/Period	C	1	X
GIN	Goods Identity Number	C	9	X
Group25		C	9	X
DOC	Document/Message Details	M	1	X
DTM	Date/Time/Period	C	9	X
Group26		C	9	X
TPL	Transport Placement	M	1	X
Group27		C	9	X
MEA	Measurements	M	1	X
EQN	Number of Units	C	1	X
Group28		C	999	X
SGP	Split Goods Placement	M	1	X
Group29		C	9	X
MEA	Measurements	M	1	X
EQN	Number of Units	C	1	X
Group30		C	99	X
TCC	Charge/Rate Calculations	M	1	X
CUX	Currencies	C	1	X
PRI	Price Details	C	1	X
EQN	Number of Units	C	1	X
PCD	Percentage Details	C	1	X
MOA	Monetary Amount	C	9	X
QTY	Quantity	C	9	X
LOC	Place/Location Identification	C	9	X

Group31		C	99	X
DGS	Dangerous Goods	M	1	X
FTX	Free Text	C	99	X
Group32		C	9	X
CTA	Contact Information	M	1	X
COM	Communication Contact	C	9	X
Group33		C	9	X
MEA	Measurements	M	1	X
EQN	Number of Units	C	1	X
Group34		C	999	X
SGP	Split Goods Placement	M	1	X
Group35		C	9	X
MEA	Measurements	M	1	X
EQN	Number of Units	C	1	X

Group36		C	999	O
EQD	Equipment Details	M	1	M
EQN	Number of Units	C	1	X
TMD	Transport Movement Details	C	1	X
MEA	Measurements	C	9	X
DIM	Dimensions	C	9	X
SEL	Seal Number	C	99	X
TPL	Transport Placement	C	9	X
HAN	Handling Instructions	C	1	X
TMP	Temperature	C	1	X
FTX	Free Text	C	9	X
RFF	Reference	C	9	X
Group37		C	99	X
TCC	Charge/Rate Calculations	M	1	X
CUX	Currencies	C	1	X
PRI	Price Details	C	1	X
EQN	Number of Units	C	1	X
PCD	Percentage Details	C	1	X
MOA	Monetary Amount	C	9	X
QTY	Quantity	C	9	X
Group38		C	9	O
NAD	Name and Address	M	1	M
DTM	Date/Time/Period	C	1	O
LOC	Place/Location Identification	C	9	X
Group39		C	99	X
EQA	Attached Equipment	M	1	X
EQN	Number of Units	C	1	X
Group40		C	99	X
DGS	Dangerous Goods	M	1	X
FTX	Free Text	C	9	X
Group41		C	9	X
CTA	Contact Information	M	1	X
COM	Communication Contact	C	9	X
UNT	Message Trailer	M	1	X
UNE	Functional Group Trailer	C	1	X
UNZ	Interchange Trailer	M	1	X

Description of used Message Segments

UNB Interchange Header

Status: M	Usage: M	Min/Max: 1/1
Group: N/A		

up

Description:

To start, identify and specify an interchange.

Example:

```
UNB+UNOC:3+HLCU:ZZZ+RECIPIENT-ID:ZZZ+:190529+0830+++++1'
```

Tag	Element Name	Status	Type	Usage
S001	SYNTAX IDENTIFIER	M		M
	Description: Identification of the agency controlling the syntax and indication of syntax level, plus the syntax version number.			
0001	Syntax identifier	M	a4	M
	Description: Coded identification of the agency controlling a syntax and syntax level used in an interchange. Notes: 1. a3, upper case, Controlling Agency (e.g. UNO=UN/ECE) and a1 stating level (e.g. A) (which together give UNOA). Note: Value(s): UNOC UN/ECE level CUN/ECE level C			
0002	Syntax version number	M	n1	M
	Description: Version number of the syntax identified in the syntax identifier (0001) Notes: 1. Increments 1 for each version. Note: Value(s): 3 Version 3			

S002	INTERCHANGE SENDER	M		M
	Description: Identification of the sender of the interchange.			
0004	Sender identification	M	an..35	M
	Description: Name or coded representation of the sender of a data interchange. Notes: 1. Code or name as specified in IA.			
	Note: Value(s): HLAG HAPAG-LLOYD AG			
0007	Partner identification code qualifier	C	an..4	O
	Description: Qualifier referring to the source of codes for the identifiers of interchanging partners. Notes: 1. Used with sender/recipient identification code.			
	Note: Value(s): ZZZ Mutually defined			
0008	Address for reverse routing	C	an..14	X
	Description: Address specified by the sender of an interchange to be included by the recipient in the response interchanges to facilitate internal routing.			
S003	INTERCHANGE RECIPIENT	M		M
	Description: Identification of the recipient of the interchange.			
0010	Recipient identification	M	an..35	M
	Description: Name or coded representation of the recipient of a data interchange. Notes: 1. Code or name as specified in IA.			
	Note: Receiving Trading Partner EDI ID			
0007	Partner identification code qualifier	C	an..4	O
	Description: Qualifier referring to the source of codes for the identifiers of interchanging partners. Notes: 1. Used with sender/recipient identification code.			
	Note: Value(s): ZZZ Mutually defined			
0014	Routing address	C	an..14	X
	Description: 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. Notes: 1. If used, normally coded sub-address for onward routing.			

S004	DATE AND TIME OF PREPARATION	M		M
0017	Description: Date/time of preparation of the interchange.			
	Date of preparation	M	n6	M
0019	Description: Local date when an interchange or a functional group was prepared. Notes: 1. YYMMDD Note: Format YYMMDD			
	Time of preparation	M	n4	M
0020	Description: Local time of day when an interchange or a functional group was prepared. Notes: 1. HHMM Note: UTC (GMT) Time. The twenty-four hour clock system is used to express time.			
	INTERCHANGE CONTROL REFERENCE	M	an..14	M
0022	Description: Unique reference assigned by the sender to an interchange. Notes: 1. Shall be identical in UNB and UNZ.			
	INTERCHANGE CONTROL REFERENCE	M	an..14	M
S005	RECIPIENTS REFERENCE PASSWORD	C		X
0022	Description: Reference or password as agreed between the communicating partners.			
	Recipient reference/password	M	an..14	X
0025	Description: Unique reference assigned by the recipient to the data interchange or a password to the recipient's system or to a third party network as specified in the partners interchange agreement. Notes: 1. As specified in IA. May be password to recipient's system or to third party network.			
	Recipient reference/password qualifier	C	an2	X
0026	Description: Qualifier for the recipient's reference or password. Notes: 1. Used if specified in IA.			
	APPLICATION REFERENCE	C	an..14	X
0029	Description: 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. Notes: 1. Optionally message identification if the message interchange contains only one type of message.			
	PROCESSING PRIORITY CODE	C	a1	X
0031	Description: Code determined by the sender requesting processing priority for the interchange. Notes: 1. Used if specified in IA.			
	ACKNOWLEDGEMENT REQUEST	C	n1	O
0032	Description: Code determined by the sender for acknowledgement of the interchange. Notes: 1. Set = 1 if sender requests acknowledgement, i.e. UNB and UNZ segments received and identified. Note: Value(s): 0 No acknowledgement requested			
	COMMUNICATIONS AGREEMENT ID	C	an..35	X

Description:

Identification by name or code of the type of agreement under which the interchange takes place. Notes: 1. If used, to identify type of communication agreement controlling the interchange, e.g. Customs or ECE agreement. Code or name as specified in IA.

0035

TEST INDICATOR

C

n1

O

Description:

Indication that the interchange is a test. Notes: 1. Set = 1 if the interchange is a test. Otherwise not used.

Note:**Value(s):**

0	Productive message
1	Test message

UNH Message Header

Status: M	Usage: M	Min/Max: 1/1
Group: N/A		

up

Description:

To head, identify and specify a message.

Example:

```
UNH+2140266+IFTMAN:D:17A:UN'
```

Tag	Element Name	Status	Type	Usage
0062	MESSAGE REFERENCE NUMBER	M	an..14	M
Description: Unique message reference assigned by the sender. Notes: 1. Shall be identical in UNH and UNT.				
S009	MESSAGE IDENTIFIER	M		M
Description: Identification of the type, version etc. of the message being interchanged.				
0065	Message type identifier	M	an..6	M
Description: Code identifying a type of message and assigned by its controlling agency. Notes: 1. Type of message being transmitted.				
Note: Value(s): IFTMAN Arrival notice message				
0052	Message type version number	M	an..3	M
Description: Version number of a message type. Notes: 1. Version number of the message type. If UNG is used, 0052 version number of the message type in the functional group shall be identical.				
Note: Value(s): D Draft version UNEDIFACT Directory				
0054	Message type release number	M	an..3	M
Description: Release number within the current message type version number (0052). Notes: 1. The representation of 0054 was specified as n..3 in version 1 of ISO 9735.				
Note: Value(s): 17A Release 2017 - A				
0051	Controlling agency	M	an..2	M
Description: Code to identify the agency controlling the specification, maintenance and publication of the message type.				
Note: Value(s): UN UN CEFAC				
0057	Association assigned code	C	an..6	X
Description: A code assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.				
0068	COMMON ACCESS REFERENCE	C	an..35	X

Description:

Reference serving as a key to relate all subsequent transfers of data to the same business case or file. Notes: 1. Key to relate all subsequent transfers of data to the same business case or file. Within the 35 characters the IA may specify component elements.

S010	STATUS OF THE TRANSFER	C		X
0070	Description: Statement that the message is one in a sequence of transfers relating to the same topic.			
	Sequence message transfer number	M	n..2	X
0073	Description: Number assigned by the sender indicating the numerical sequence of one or more transfers. Notes: 1. Starts at 1 and is incremented by 1 for each transfer.			
	First/last sequence message transfer indication	C	a1	X
	Description: Indication used for the first and last message in a sequence of the same type of message relating to the same topic. Notes: 1. Must be present if more than one transfer is foreseen.			

BGM Beginning of Message

Status: M Usage: M Min/Max: 1/1
Group: N/A

up

Description:

To indicate the type and function of a message and to transmit the identifying number.

Example:

BGM+781+14999390+9'

Tag	Element Name	Status	Type	Usage
C002	DOCUMENT/MESSAGE NAME	C		O
	Description: Identification of a type of document/message by code or name. Code preferred.			
1001	Document name code	C	an..3	O
	Description: Code specifying the document name. Note: Value(s): 781 Arrival Notice			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
1000	Document name	C	an..35	X
	Description: Name of a document.			
C106	DOCUMENT/MESSAGE IDENTIFICATION	C		O
	Description: Identification of a document/message by its number and eventually its version or revision.			
1004	Document identifier	C	an..70	O
	Description: To identify a document.			
1056	Version identifier	C	an..9	X
	Description: To identify a version.			
1060	Revision identifier	C	an..6	X
	Description: To identify a revision.			
1225	MESSAGE FUNCTION CODE	C	an..3	O
	Description: Code indicating the function of the message. Note: Value(s): 9 Original 5 Replacement			
4343	RESPONSE TYPE CODE	C	an..3	X
	Description: Code specifying the type of acknowledgment required or transmitted.			

1373	DOCUMENT STATUS CODE	C	an..3	X
Description: Code specifying the status of a document.				
3453	LANGUAGE NAME CODE	C	an..3	X
Description: Code specifying the language name.				

DTM Date/Time/Period

Status: C	Usage: O	Min/Max: 0/9
Group: N/A		

up

Description:

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

Example:

```
DTM+137:201905290816:203'
```

Tag	Element Name	Status	Type	Usage
C507	DATE/TIME/PERIOD	M		M
	Description: Date and/or time, or period relevant to the specified date/time/period type.			
2005	Date or time or period function code qualifier	M	an..3	M
	Description: Code qualifying the function of a date, time or period.			
	Note: Value(s): 137 DOCUMENT ISSUE DATE TIME			
2380	Date or time or period text	C	an..35	O
	Description: The value of a date, a date and time, a time or of a period in a specified representation.			
2379	Date or time or period format code	C	an..3	O
	Description: Code specifying the representation of a date, time or period.			
	Note: Value(s): 203 Format: CCYYMMDDHHMM TimeZone: UTC			

LOC Place/Location Identification

Status: M	Usage: M	Min/Max: 1/1
Group: 1		

up

Description:

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

Example:

```
LOC+73+AEDXB:181:6:DUBAI+AE:162:5'
```

Tag	Element Name	Status	Type	Usage
3227	LOCATION FUNCTION CODE QUALIFIER	M	an..3	M

Description:

Code identifying the function of a location.

Note:

Value(s):

73 Bill of lading release office / Place of issue

C517	LOCATION IDENTIFICATION	C		O
	Description: Identification of a location by code or name.			
3225	Location identifier	C	an..35	O
	Description: To identify a location.			
1131	Code list identification code	C	an..17	O
	Description: Code identifying a user or association maintained code list.			
	Note: Value(s): 181 Activity			
3055	Code list responsible agency code	C	an..3	O
	Description: Code specifying the agency responsible for a code list.			
	Note: Value(s): 6 UN/ECE			
3224	Location name	C	an..256	O
	Description: Name of the location.			

C519	RELATED LOCATION ONE IDENTIFICATION	C		O
	Description: Identification the first related location by code or name.			
3223	First related location identifier	C	an..35	O
	Description: To identify a first related location.			
1131	Code list identification code	C	an..17	O
	Description: Code identifying a user or association maintained code list.			
	Note: Value(s): 162 Country			
3055	Code list responsible agency code	C	an..3	O
	Description: Code specifying the agency responsible for a code list.			
	Note: Value(s): 5 ISO			
3222	First related location name	C	an..70	X
	Description: Name of first related location.			
C553	RELATED LOCATION TWO IDENTIFICATION	C		X
	Description: Identification of second related location by code or name.			
3233	Second related location identifier	C	an..35	X
	Description: To identify a second related location.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3232	Second related location name	C	an..70	X
	Description: Name of the second related location.			
5479	RELATION CODE	C	an..3	X
	Description: Code specifying a relation.			

DTM Date/Time/Period

Status: C	Usage: O	Min/Max: 0/9
Group: 1		

up

Description:

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

Example:

DTM+95:20190613:102'

Tag	Element Name	Status	Type	Usage
C507	DATE/TIME/PERIOD	M		M
	Description: Date and/or time, or period relevant to the specified date/time/period type.			
2005	Date or time or period function code qualifier	M	an..3	M
	Description: Code qualifying the function of a date, time or period.			
	Note: Value(s): 95 Bill of lading date of issue			
2380	Date or time or period text	C	an..35	O
	Description: The value of a date, a date and time, a time or of a period in a specified representation.			
2379	Date or time or period format code	C	an..3	O
	Description: Code specifying the representation of a date, time or period.			
	Note: Value(s): 102 Format: CCYYMMDD TimeZone: UTC			

RFF Reference

Status: M	Usage: M	Min/Max: 1/1
Group: 3		

up

Description:

To specify a reference.

Tag	Element Name	Status	Type	Usage
C506	REFERENCE	M		M
	Description: Identification of a reference.			
1153	Reference code qualifier	M	an..3	M
	Description: Code qualifying a reference.			
	Note: Value(s): DM Document number AEX Non-negotiable maritime transport document number BM Bill of lading number			
1154	Reference identifier	C	an..70	O
	Description: Identifies a reference.			
1156	Document line identifier	C	an..6	X
	Description: To identify a line of a document.			
1056	Version identifier	C	an..9	X
	Description: To identify a version.			
1060	Revision identifier	C	an..6	X
	Description: To identify a revision.			

TDT Transport Information

Status: M	Usage: M	Min/Max: 1/1
Group: 8		

up

Description:

To specify information regarding the transport such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.

Example:

```
TDT+20+031W+1++HLCU+++9243203:103:11:PHILADELPHIA EXPRESS:BS''
```

Tag	Element Name	Status	Type	Usage
8051	TRANSPORT STAGE CODE QUALIFIER	M	an..3	M
Description: Code qualifying a specific stage of transport. Note: Value(s): 10 Pre-Carriage Transport 20 Main Carriage Transport 30 On-Carriage Transport				
8028	MEANS OF TRANSPORT JOURNEY IDENTIFIER	C	an..17	O
Description: To identify a journey of a means of transport. Note: Voyage number				
C220	MODE OF TRANSPORT	C		O
Description: Method of transport code or name. Code preferred.				
8067	Transport mode name code	C	an..3	O
Description: Code specifying the name of a mode of transport. Note: Value(s): 10 Maritime transport 2 Rail transport 3 Road transport				
8066	Transport mode name	C	an..17	X
Description: Name of a mode of transport.				

C001	TRANSPORT MEANS	C		X
	Description: Code and/or name identifying the type of means of transport.			
8179	Transport means description code	C	an..8	X
	Description: Code specifying the means of transport.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
8178	Transport means description	C	an..17	X
	Description: Free form description of the means of transport.			
C040	CARRIER	C		O
	Description: Identification of a carrier by code and/or by name. Code preferred.			
3127	Carrier identifier	C	an..17	O
	Description: To identify a carrier.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3126	Carrier name	C	an..35	X
	Description: Name of a carrier.			
8101	TRANSIT DIRECTION INDICATOR CODE	C	an..3	X
	Description: Code specifying the direction of transport.			
C401	EXCESS TRANSPORTATION INFORMATION	C		X
	Description: To provide details of reason for, and responsibility for, use of transportation other than normally utilized.			
8457	Excess transportation reason code	M	an..3	X
	Description: Code specifying the reason for excess transportation.			
8459	Excess transportation responsibility code	M	an..3	X
	Description: Code specifying the responsibility for excess transportation.			
7130	Customer shipment authorisation identifier	C	an..17	X
	Description: To identify the authorisation to ship issued by the customer.			

C222	TRANSPORT IDENTIFICATION	C		O
	Description: Code and/or name identifying the means of transport.			
8213	Transport means identification name identifier	C	an..35	O
	Description: Identifies the name of the transport means. Note: Lloyds register number			
1131	Code list identification code	C	an..17	O
	Description: Code identifying a user or association maintained code list. Note: Value(s): 103 Call sign directory			
3055	Code list responsible agency code	C	an..3	O
	Description: Code specifying the agency responsible for a code list. Note: Value(s): 11 Lloyd's register of shipping			
8212	Transport means identification name	C	an..70	O
	Description: Name identifying a means of transport.			
8453	Transport means nationality code	C	an..3	O
	Description: Code specifying the nationality of a means of transport.			
8281	TRANSPORT MEANS OWNERSHIP INDICATOR CODE	C	an..3	X
	Description: Code indicating the ownership of a means of transport.			
C003	POWER TYPE	C		X
	Description: To specify the type of power.			
7041	Power type code	C	an..3	X
	Description: Code indicating the type of power.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
7040	Power type description	C	an..17	X
	Description: Description of the type of power.			

LOC Place/Location Identification

Status: M Usage: M Min/Max: 1/1
Group: 10

up

Description:

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

Example:

```
LOC+9+CAVAN::6:VANCOUVER, BC'  
LOC+11+SGSIN::6:SINGAPORE'
```

Tag	Element Name	Status	Type	Usage
3227	LOCATION FUNCTION CODE QUALIFIER	M	an..3	M
Description: Code identifying the function of a location. Note: Value(s): 5 Place of departure (start point for land carriage) 88 Place of Receipt (start point of Ocean Carrier) 9 Place/port of Loading 11 Place/port of Discharge 7 Place of Delivery				
C517	LOCATION IDENTIFICATION	C		O
Description: Identification of a location by code or name.				
3225	Location identifier	C	an..35	O
Description: To identify a location.				
1131	Code list identification code	C	an..17	X
Description: Code identifying a user or association maintained code list.				
3055	Code list responsible agency code	C	an..3	O
Description: Code specifying the agency responsible for a code list. Note: Value(s): 6 UN/ECE				
3224	Location name	C	an..256	O
Description: Name of the location.				

C519	RELATED LOCATION ONE IDENTIFICATION	C		X
	Description: Identification the first related location by code or name.			
3223	First related location identifier	C	an..35	X
	Description: To identify a first related location.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3222	First related location name	C	an..70	X
	Description: Name of first related location.			
C553	RELATED LOCATION TWO IDENTIFICATION	C		X
	Description: Identification of second related location by code or name.			
3233	Second related location identifier	C	an..35	X
	Description: To identify a second related location.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3232	Second related location name	C	an..70	X
	Description: Name of the second related location.			
5479	RELATION CODE	C	an..3	X
	Description: Code specifying a relation.			

DTM Date/Time/Period

Status: C	Usage: O	Min/Max: 0/9
Group: 10		

up

Description:

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

Example:

DTM+132:20190214:102'

Tag	Element Name	Status	Type	Usage
C507	DATE/TIME/PERIOD	M		M
	Description: Date and/or time, or period relevant to the specified date/time/period type.			
2005	Date or time or period function code qualifier	M	an..3	M
	Description: Code qualifying the function of a date, time or period.			
	Note: Value(s): 132 Estimated arrival date/time 133 Estimated departure date			
2380	Date or time or period text	C	an..35	O
	Description: The value of a date, a date and time, a time or of a period in a specified representation.			
2379	Date or time or period format code	C	an..3	O
	Description: Code specifying the representation of a date, time or period.			
	Note: Value(s): 102 Format: CCYYMMDD TimeZone: UTC			

NAD Name and Address

Status: M	Usage: M	Min/Max: 1/1
Group: 12		

up

Description:

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

Note:

```
// @ Value(s):
CA      Carrier
CN      Consignee
CZ      Shipper
FW      Forwarder
NI      Notifier
FC      Contract party
```

Example:

```
NAD+CZ+1000001:160:87++NAME+ADDRESS_LINE:ADDRESS_LINE:ADDRESS_LINE:ADDRESS_LINE'
```

Tag	Element Name	Status	Type	Usage
3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	M
Description: Code giving specific meaning to a party.				
C082	PARTY IDENTIFICATION DETAILS	C		O
Description: Identification of a transaction party by code.				
3039	Party identifier	M	an..35	M
Description: Code specifying the identity of a party.				
1131	Code list identification code	C	an..17	O
Description: Code identifying a user or association maintained code list.				
Note: Value(s): 160 Party identification				
3055	Code list responsible agency code	C	an..3	O
Description: Code specifying the agency responsible for a code list.				
Note: Value(s): 87 Assigned by carrier				
C058	NAME AND ADDRESS	C		X
Description: Unstructured name and address: one to five lines.				
3124	Name and address description [1..5]	M	an..35	X
Description: Free form description of a name and address line.				

C080	PARTY NAME	C		O
	Description: Identification of a transaction party by name, one to five lines. Party name may be formatted.			
3036	Party name	M	an..70	M
	Description: Name of a party.			
3036	Party name	C	an..70	O
	Description: Name of a party.			
3036	Party name	C	an..70	X
	Description: Name of a party.			
3036	Party name	C	an..70	X
	Description: Name of a party.			
3036	Party name	C	an..70	X
	Description: Name of a party.			
3045	Party name format code	C	an..3	X
	Description: Code specifying the representation of a party name.			
C059	STREET	C		O
	Description: Street address and/or PO Box number in a structured address: one to four lines.			
3042	Street and number or post office box identifier [1..4]	M	an..256	M
	Description: To identify a street and number and/or Post Office box number.			
3164	CITY NAME	C	an..35	X
	Description: Name of a city.			
C819	COUNTRY SUBDIVISION DETAILS	C		X
	Description: To specify a country subdivision, such as state, canton, county, prefecture.			
3229	Country subdivision identifier	C	an..9	X
	Description: To identify a country subdivision, such as state, canton, county, prefecture.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3228	Country subdivision name	C	an..70	X
	Description: Name of a country subdivision, such as state, canton, county, prefecture.			
3251	POSTAL IDENTIFICATION CODE	C	an..17	X

3207	Description: Code specifying the postal zone or address.			
	COUNTRY IDENTIFIER	C	an..3	X
Description: Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3.				

EQD Equipment Details

Status: M Usage: M Min/Max: 1/1
Group: 36

up

Description:

To identify a unit of equipment.

Example:

EQD+CN+HLBU9219165'

Tag	Element Name	Status	Type	Usage
8053	EQUIPMENT TYPE CODE QUALIFIER	M	an..3	M
Description: Code qualifying a type of equipment. Note: Value(s): CN Container				
C237	EQUIPMENT IDENTIFICATION	C		O
Description: Marks (letters/numbers) identifying equipment.				
8260	Equipment identifier	C	an..17	O
Description: To identify equipment.				
1131	Code list identification code	C	an..17	X
Description: Code identifying a user or association maintained code list.				
3055	Code list responsible agency code	C	an..3	X
Description: Code specifying the agency responsible for a code list.				
3207	Country identifier	C	an..3	X
Description: Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3.				
C224	EQUIPMENT SIZE AND TYPE	C		X
Description: Code and or name identifying size and type of equipment. Code preferred.				
8155	Equipment size and type description code	C	an..10	X
Description: Code specifying the size and type of equipment.				
1131	Code list identification code	C	an..17	X
Description: Code identifying a user or association maintained code list.				
3055	Code list responsible agency code	C	an..3	X
Description: Code specifying the agency responsible for a code list.				
8154	Equipment size and type description	C	an..35	X
Description: Free form description of the size and type of equipment.				
8077	EQUIPMENT SUPPLIER CODE	C	an..3	X

8249	Description: Code specifying the party that is the supplier of the equipment.			
	EQUIPMENT STATUS CODE	C	an..3	X
8169	Description: Code specifying the status of equipment.			
	FULL OR EMPTY INDICATOR CODE	C	an..3	X
4233	Description: Code indicating whether an object is full or empty.			
	MARKING INSTRUCTIONS CODE	C	an..3	X
Description: Code specifying instructions for marking.				

NAD Name and Address

Status: M	Usage: M	Min/Max: 1/1
Group: 38		

up

Description:

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

Tag	Element Name	Status	Type	Usage
3035	PARTY FUNCTION CODE QUALIFIER	M	an..3	M
Description: Code giving specific meaning to a party.				
C082	PARTY IDENTIFICATION DETAILS	C		O
Description: Identification of a transaction party by code.				
3039	Party identifier	M	an..35	M
Description: Code specifying the identity of a party.				
1131	Code list identification code	C	an..17	X
Description: Code identifying a user or association maintained code list.				
3055	Code list responsible agency code	C	an..3	O
Description: Code specifying the agency responsible for a code list.				
C058	NAME AND ADDRESS	C		X
Description: Unstructured name and address: one to five lines.				
3124	Name and address description [1..5]	M	an..35	X
Description: Free form description of a name and address line.				

C080	PARTY NAME	C		O
	Description: Identification of a transaction party by name, one to five lines. Party name may be formatted.			
3036	Party name	M	an..70	M
	Description: Name of a party.			
3036	Party name	C	an..70	O
	Description: Name of a party.			
3036	Party name	C	an..70	X
	Description: Name of a party.			
3036	Party name	C	an..70	X
	Description: Name of a party.			
3036	Party name	C	an..70	X
	Description: Name of a party.			
3045	Party name format code	C	an..3	X
	Description: Code specifying the representation of a party name.			
C059	STREET	C		O
	Description: Street address and/or PO Box number in a structured address: one to four lines.			
3042	Street and number or post office box identifier [1..4]	M	an..256	M
	Description: To identify a street and number and/or Post Office box number.			
3164	CITY NAME	C	an..35	O
	Description: Name of a city.			
C819	COUNTRY SUBDIVISION DETAILS	C		O
	Description: To specify a country subdivision, such as state, canton, county, prefecture.			
3229	Country subdivision identifier	C	an..9	O
	Description: To identify a country subdivision, such as state, canton, county, prefecture.			
1131	Code list identification code	C	an..17	X
	Description: Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Description: Code specifying the agency responsible for a code list.			
3228	Country subdivision name	C	an..70	X
	Description: Name of a country subdivision, such as state, canton, county, prefecture.			
3251	POSTAL IDENTIFICATION CODE	C	an..17	O

Description:

Code specifying the postal zone or address.

3207

COUNTRY IDENTIFIER

C

an..3

O

Description:

Identification of the name of the country or other geographical entity as defined in ISO 3166-1 and UN/ECE Recommendation 3.

DTM Date/Time/Period

Status: C	Usage: O	Min/Max: 0/1
Group: 38		

up

Description:

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

Tag	Element Name	Status	Type	Usage
C507	DATE/TIME/PERIOD	M		M
	Description: Date and/or time, or period relevant to the specified date/time/period type.			
2005	Date or time or period function code qualifier	M	an..3	M
	Description: Code qualifying the function of a date, time or period.			
2380	Date or time or period text	C	an..35	O
	Description: The value of a date, a date and time, a time or of a period in a specified representation.			
2379	Date or time or period format code	C	an..3	O
	Description: Code specifying the representation of a date, time or period.			

Examples

```
UNB+UNOC:3+HLCU:ZZZ+RECIPIENT-ID:ZZZ+190617:0920+1+++++1'  
UNH+1+IFTMAN:D:17A:UN'  
BGM+781+14999390+9'  
DTM+137:201906130718:203'  
LOC+73+AEDXB:181:6:DUBAI+AE:162:5'  
DTM+95:20190613:102'  
RFF+DM:HLCUXXX123456789'  
RFF+AEX:HLCUXXX123456789'  
TDT+20+031W+1+++HLCU+++9243203:103:11:PHILADELPHIA EXPRESS:BS'  
LOC+9+CAVAN::6:VANCOUVER, BC'  
DTM+133:20190125:102'  
LOC+11+SGSIN::6:SINGAPORE'  
DTM+132:20190214:102'  
TDT+30+041E+1+++++9320697:103:11:OSAKA EXPRESS:LR'  
LOC+9+SGSIN::6:SINGAPORE'  
DTM+133:20190221:102'  
LOC+11+LKCMB::6:COLOMBO'  
DTM+132:20190225:102'  
TDT+30+051W+1+++++9193290:103:11:TOKYO EXPRESS:LR'  
LOC+9+LKCMB::6:COLOMBO'  
DTM+133:20190303:102'  
LOC+11+AEJEA::6:JEBEL ALI'  
DTM+132:20190310:102'  
NAD+CZ+1000001:160:87++NAME+ADDRESS_LINE:ADDRESS_LINE:ADDRESS_LINE:ADDRESS_LIN  
NAD+CN+1000002:160:87++NAME+ADDRESS_LINE:ADDRESS_LINE:ADDRESS_LINE:ADDRESS_LIN  
NAD+NI+1000002:160:87++NAME+ADDRESS_LINE:ADDRESS_LINE:ADDRESS_LINE:ADDRESS_LIN  
NAD+FW+1000003:160:87++NAME+ADDRESS_LINE:ADDRESS_LINE'  
NAD+FC+1000003:160:87++NAME+ADDRESS_LINE:ADDRESS_LINE'  
NAD+CA+HLCU:160:87++HAPAG-LLOYD'  
EQD+CN+HLBU9219165'  
UNT+30+1'  
UNZ+1+1'
```