



Guidelines

UN/EDIFACT MESSAGE

COPARN

**Container Announcement - Gate In Order
&
Empty Equipment Release - Gate Out Order**

D95B

Version (0.3)

Contents

1	General notes	4
2	The Container Announcement Instructions Message (COPARN)	5
3	Introductions	6
4	Basic rules	7
5	Segment table	8
6	Message types	9
6.1	Empty out COPARN (export booking)	9
6.2	Full in COPARN (export booking)	9
6.3	Empty in COPARN (export announcement or stock announcement)	9
7	STATUS INDICATORS AND USAGE INDICATORS	11
7.1	Status Indicators	11
7.2	Usage Indicators	11
7.3	Format and picture of data elements	11
8	STRUCTURE OF CONTAINER ANNOUNCEMENT MESSAGE	12
8.1	UNB (Interchange Header)	12
8.2	UNH (Message Header)	13
8.3	BGM (Beginning of Message)	14
8.4	RFF (Reference)	15
8.5	Group 1	16
8.5.1	TDT (Details of Transport)	16
8.5.2	RFF (Reference)	18
8.5.3	LOC (Place/Location/Identification)	20
8.5.4	DTM (Date/Time/Period)	21
8.6	Group 2	22
8.6.1	NAD (Name and Address)	22
8.7	Group 3	24
8.7.1	GID (Goods Item Details)	24
8.7.2	FTX (Free Text)	25
8.8	Group 7	26
8.8.1	EQD (Equipment Details)	26
8.8.2	RFF (Reference)	28
8.8.3	EQN (Number of Units)	29
8.8.4	TMD (Transport Movement Details)	30
8.8.5	DTM (Date/Time/Period)	31
8.8.6	LOC (Place/Location/Identification)	32
8.8.7	MEA (Measurement)	34
8.8.8	DIM (Dimensions)	35
8.8.9	TMP (Temperature)	36
8.8.10	SEL (Seal Number)	37
8.8.11	FTX (Free Text)	38
8.8.12	DGS (Dangerous Goods)	39
8.9	CNT (Control Total)	41
8.10	UNT (Message Trailer)	42

9	Sample message	43
9.1	Single container (equipment-based) message:	43
9.1.1	Create	43
9.1.2	Update or delete	43
9.2	Multi container (booking-based) message:	44
9.2.1	Create:	44
9.2.2	Update or delete	45
10	Version history	46

1 GENERAL NOTES

This document is composed merely to facilitate the development of new EDI COPARN links with our customers and to guide and assist them through the programming and test phase. This should reduce the research and development on the customer side significantly.

As Port of Koper is an active participant of the world wide SMDG EDI discussion forum since its foundation, this document is partially based on the SMDG COPARN user manual (Version 1.2), enriched with some useful tips. It is not our intention to replace the official SMDG manual. These guidelines should be used in addition to the COPARN manual.

Suggestions and/or feedback are always welcome, as this document is also based on experiences, gained from past COPARN projects. Each time some new features are added, we provide our customers with an update.

Best regards,
The Port of Koper EDI Support team.

2 THE CONTAINER ANNOUNCEMENT INSTRUCTIONS MESSAGE (COPARN)

The COPARN message is sent by the shipping agent to the container terminal operator/depot.

The Port of Koper is to be considered as a terminal operator/depot. The message can be used for import, export and logistic movements. This message is the order for:

- a. The release of empty containers,
- b. The announcement of the delivery of full or empty containers to the terminal.

When it concerns a release of containers, the shipping agent reports to the terminal operator that one or more containers will be collected on a later date. In case of an announcement, the shipping agent announces to the terminal operator that full or empty containers will be brought to the terminal whether or not with the intention to be exported.

3 INTRODUCTIONS

This Guideline has been developed by Port of Koper to assist interested EDI partners in developing and implementing the UN/EDIFACT COPARN message with the Container Terminal at Port of Koper.

This user manual is based on the UN/EDIFACT D.95B directory and the ITIGG document "COPARN Container Announcement Message - Guideline for the UN/EDIFACT D95B COPARN message", version 1.4, dated March 1998. Principles and rules as laid down by ITIGG have been applied to the maximum extent. In the following areas extensions to the ITIGG principles and rules have however been made:

- Group 7 EQD – additional code is use to support to specify containers in which goods are transported
- Group 7 EQN – additional code is use to specify the number of un-named container
- Group 7 TMD - additional codes are used to support indication of haulage arrangement
- Group 7 LOC - additional qualifier is used to support reporting of optional discharge port
- Group 7 MEA - additional qualifiers are used to support reporting of weights in kilograms

The COPARN message is intended to be used as

- Order to release empty container(s) for packing
- Order to accept containers and/or to announce the impending arrival of containers at a container terminal, storage facility etc.

The COPARN message may be sent in two different versions:

- Booking-based - messages are sent per booking. 1 COPARN may cover multiple containers; the number of containers of each type is specified through the Group 7:
 - EQD segment or
 - EQN segment
- Equipment-based - messages are sent per container. 1 COPARN will cover 1 container only; each container is uniquely identified through a container sequence number in the Group 7 RFF segment.

Document maintenance

Any remarks, questions, amendments or requested alterations to this document may be addressed to:

Luka Koper d.d.
Vojkovo nabrežje 30
6000 Koper
Slovenia

e-mail : xxxxxxxxxxxx@luka-kp.si

4 BASIC RULES

One Interchange Header (UNB – UNZ) may contain one or more (UNH – UNT) Message Header.

One booking reference per COPARN message

We also strongly suggest specifying only one container type per booking reference/COPARN message. Otherwise, the truck driver won't be able to use the automated administrative check in facilities at our terminals. As he then will be obliged to pass through the problem counter, the waiting and treatment times at the gates of our terminal will be significantly higher.

One vessel – voyage combination per COPARN message

A COPARN container announcement message is composed per vessel, linked with a certain voyage.

Please send the COPARN as frequently as possible (more than twice or three times a day).

5 SEGMENT TABLE

Pos. No.	Segment ID	Name	Req. Dest	Max. Use	Description
0010	UNH	Message header	M	1	Mandatory
0020	BGM	Beginning of message	M	1	Mandatory
0060	RFF	Reference	M	9	Mandatory
0070	Segment group 1		C	9	Optional
0080	TDT	Details of transport	M	1	Mandatory
0090	RFF	Reference	C	9	Optional
0100	LOC	Place/location identification	C	9	Optional
0110	DTM	Date/time/period	C	9	Optional
0120	Segment group 2		M	9	Mandatory
0130	NAD	Name and address	M	1	Mandatory
0170	Segment group 3		C	999	Optional
0180	GID	Goods item details	M	1	Mandatory
0200	FTX	Free text	C	9	Optional
0370	Segment group 7		M	999	Mandatory
0380	EQD	Equipment details	M	1	Mandatory
0390	RFF	Reference	C	9	Required
0400	EQN	Number of units	C	1	Optional
0410	TMD	Transport movement details	C	9	Optional
0420	DTM	Date/time/period	C	9	Optional
0440	LOC	Place/location identification	C	9	Required
0450	MEA	Measurements	C	9	Required
0460	DIM	Dimensions	C	9	Optional
0470	TMP	Temperature	C	9	Optional
0490	SEL	Seal number	C	9	Optional
0500	FTX	Free text	C	9	Optional
0510	DGS	Dangerous Goods	C	1	Optional
0440	CNT	Control total	M	1	Mandatory
0450	UNT	Message trailer	M	1	Mandatory

6 MESSAGE TYPES

The following set of COPARN types is known and can be used. We will refer to these definitions throughout the course of this guidelines document

6.1 Empty out COPARN (export booking)

This is an empty out instruction from the shipping agent to the container terminal (depot function). This instruction will order the release of an empty container. The container will be picked up at the Port of Koper depot facility to be stuffed at an inland facility or at the CFS of Port of Koper.

Technical characteristics of an empty out COPARN:

In the **BGM**-segment (header), data element 1001 has value "12"

In the **EQD** –segment (group 7), data element 8169 has value "4"

For more information see also "Order type - BGM-segment" and "Equipment details - Group 7 EQD –segment"

6.2 Full in COPARN (export booking)

This message is an instruction from the shipping agent to the container terminal. This full in instruction will order the acceptance by Port of Koper of a full container for export admittance.

Technical characteristics of a full in COPARN:

In the **BGM**-segment (header), data element 1001 has value "11"

In the **EQD** –segment (group 7), data element 8169 has value "5"

For more information see also "Order type - BGM-segment" and "Equipment details - Group 7 EQD –segment".

6.3 Empty in COPARN (export announcement or stock announcement)

This is an instruction from the shipping agent to the container terminal. The empty in instruction will order the acceptance by Port of Koper of an empty in container.

Technical characteristics of an empty in COPARN:

In the **BGM**-segment (header), data element 1001 has value "11" (gate in)

In the **EQD** –segment (group 7), data element 8169 has value "4" (empty)

Four situations are possible:

1A) Empty in for export shipping, empty container has to be loaded on a specific vessel:

Data element 8249 in EQD-segment has value "2" (=export). The container will be stacked on our yard in a reserved area for empty containers to be exported / shipped.

Vessel indication (in TDT segment) and voyage indication (in RFF segment) are needed!

Operational port of discharge (in LOC segment).

1B) Empty in for export shipping, empty container has to be loaded on any available vessel:

Data element 8249 in EQD-segment has value "2" (=export). The container will be stacked on our yard in a reserved area for empty containers to be exported / shipped.

Vessel indication "DDD" (in TDT segment) and voyage indication "1000" (in RFF segment) are needed; the container will be stacked in the stock depot of Port of Koper.

Operational port of discharge (in LOC segment). If unknown = OPOPT = optional port.

2) Empty in for depot fill up (Continental --> Depot).

Data element 8249 in EQD-segment has value different from "2","3" (=Storage).

No vessel (TDT segment) and No voyage indication (RFF segment) needed, the container will be stacked in the stock depot of Port of Koper.

3) Empty in return to Port of Koper depot after being previously imported (e.g. full discharge from vessel) and stripped at an inland facility.

Import: data element 8249 in EQD-segment has value "3" (=import).

4) Empty shipping from Port of Koper depot and empty container has to be loaded empty onto a vessel on the same quay / terminal (as the depot).

We do not need a Coparn because this will be covered by the Coprar (Loading Order).

Coparn = Container announcement message. A container that is already present in our port depot obviously does not have to be stacked and announced anymore.

7 STATUS INDICATORS AND USAGE INDICATORS

7.1 Status Indicators

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

The Status Indicators are:

Value	Description
M	Mandatory This entity must appear in all messages. Shown as Usage Indicator "M" in the Guideline.
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 R, O, D or X (see below)

7.2 Usage Indicators

Throughout this document reference is made to indicators (M, R, 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

Value	Description
M	Mandatory Indicates that this item is mandatory in the message.
R	Required Indicates that this entity must be sent in this implementation.
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.
O	Optional Indicates that this entity is at the need or discretion of the sender of the message.
X	Not Used Indicates that the entity is not to be used in this message implementation.

7.3 Format and picture of data elements

The following conventions apply in the present documentation:

- ❖ a alphabetic characters
- ❖ n numeric characters
- ❖ an alpha-numeric characters
- ❖ a3 3 alphabetic characters, fixed length
- ❖ n3 3 numeric characters, fixed length
- ❖ an3 3 alpha-numeric characters, fixed length
- ❖ a..3 up to 3 alphabetic characters
- ❖ n..3 up to 3 numeric characters
- ❖ an..3 up to 3 alpha-numeric characters

8 STRUCTURE OF CONTAINER ANNOUNCEMENT MESSAGE

8.1 UNB (Interchange Header)

Segment: **UNB** Interchange Header

Position: 0010

Group:

Level: 0

Usage: Mandatory

Max Use: 1

Purpose: Identifies the sender and receiver of the transmission, specifies the character set used, and carries other "housekeeping" data for the transmission

Notes: UNB+UNOB:2+CMA+LUKA+170828:0903+5741519'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	S001	0001	SYNTAX IDENTIFIER	M a..1
		0002	Syntax version number	M n..1
		0080	Service code list directory version number	C an..6
		0133	Character encoding, coded	C an..3
M	S002	0004	Interchange sender identification	M an..35
		0007	Identification code qualifier <i>Example: CMA</i>	C an..4
		0008	Interchange sender internal identification	C an..35
		0042	Interchange sender internal sub-identification	C an..35
M	S003	0010	Interchange recipient identification	M an..35
		0007	Identification code qualifier <i>Example: LUKA</i>	C an..4
		0014	Interchange recipient internal identification	C an..35
		0046	Interchange recipient internal sub-identification	C an..35
M	S004	0017	Date <i>Example: 170828</i>	M an..8
		0019	Time <i>Example: 0903</i>	M an..4
M	0020		Interchange control reference <i>Example: 5741519</i>	M an..14
C	S005	0022	Recipient reference/password	M an..14
		0025	Recipient reference/password qualifier	C an2
C	0026		Application reference	C an..14
C	0029		Processing priority code	C a1
C	0031		Acknowledgement request	C n1
C	0032		Interchange agreement identifier	C an..35
C	0035		Test indicator	C n1

8.2 UNH (Message Header)

Segment: **UNH** Message Header

Position: 0010

Group:

Level: 0

Usage: Mandatory

Max Use: 1

Purpose: A segment to indicate the beginning of a message and to transmit identifying number and the further specification of the message type (in data element 1001: Document/message name, coded), such as Empty container disposition order, Release order, Pre-arrival notice, Acceptance order, Empty container notice, Call-down order.

Notes: UNH+0001+COPARN:D:95B:UN:ITG14'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	0062		MESSAGE REFERENCE NUMBER <i>Unique message reference</i> <i>Example: 0001</i>	M an..14
M	S009		MESSAGE IDENTIFIER	M
M		0065	Message type identifier <i>Container announcement message</i> <i>Example: COPARN</i>	M an..6
M		0052	Message type version number <i>Draft version/UN/EDIFACT Directory</i> <i>Example: D</i>	M an..3
M		0054	Message type release number Release 1995 – B <i>Example: 95B</i>	M an..3
M		0051	Controlling agency UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM) <i>Example: UN</i>	M an..2
R		0057	Association assigned code <i>ITIGG Version 1.4</i> <i>Example: ITG14</i>	C an..6
X	0068		COMMON ACCESS REFERENCE	C an..35
X	S010		STATUS OF THE TRANSFER	C
X		0070	Sequence message transfer number	M n..2
X		0073	First/last sequence message transfer indication	C a1

8.3 BGM (Beginning of Message)

Segment: **BGM** Beginning of Message

Position: 0020

Group:

Level: 0

Usage: Mandatory

Max Use: 1

Purpose: A segment to indicate the beginning of a message and to transmit identifying number and the further specification of the message type (in data element 1001: Document/message name, coded), such as Empty container disposition order, Release order, Pre-arrival notice, Acceptance order, Empty container notice, Call-down order.

Notes: BGM+11+a824e344-f808-4f6a-9ea3-4e5f47b545d5+9 '

Data Element Summary

	Data Element	Component Element	Name	Attributes
R	C002		DOCUMENT/MESSAGE NAME	C
R		1001	Document/message name, coded 11 Transport equipment acceptance order (Gate In Order) 12 Transport equipment empty release order (Gate Out Order) <i>Example: 11</i>	C an..3
X		1131	Code list qualifier	C an..3
X	3055		Code list responsible agency, coded	C an..3
X	1000		Document/message name	C an..35
R	1004		DOCUMENT/MESSAGE NUMBER <i>Unique sender reference number</i> <i>Example: a824e344-f808-4f6a-9ea3-4e5f47b545d5</i>	C an..35
R	1225		MESSAGE FUNCTION, CODED 1 Deletion 2 Update 3 Update 4 Update 5 Update 9 Original <i>Example: 9</i>	C an..3
X	4343		RESPONSE TYPE, CODED	C an..3

8.4 RFF (Reference)

Segment: **RFF** Reference

Position: 0060

Group:

Level: 1

Usage: Mandatory

Max Use: 9

Purpose: A segment to express a reference which applies to the entire message, such as:

- container announcement reference number - booking reference number
- Customs reference number
- Reference number to original message

Notes: RFF+BN: ANTA05738'

RFF+ACW: 0001'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	C506		REFERENCE	M
M		1153	Reference qualifier <i>BN</i> Booking reference number <i>ACW</i> Reference to a previous message (mandatory for update and delete when segment EQN is used to specify the number of un-named container) <i>REO</i> Release Order Number <i>RE</i> Release number <i>Example: BN</i>	M an..3
R		1154	Reference number	C an..35
M		1156	Line number <i>Booking number (if C506.e1153 = 'BN') mandatory</i> <i>Reference to a previous message (UNH.e0062 of previous message if C506.e1153 = 'ACW' and if BGM.1225 != '9')</i> <i>mandatory for update and delete when segment EQN is used</i> <i>Example: ANTA05738 (if C506.e1153 = 'BN')</i> <i>Example: 0001(if C506.e1153 = ACW)</i>	C an..6
X		4000	Reference version number	C an..35

8.5 Group 1

8.5.1 TDT (Details of Transport)

Segment: **TDT** Details of Transport

Position: 0080

Group: Segment Group 1 (Details of Transport) Conditional (Required)

Level: 1

Usage: Mandatory

Max Use: 1

Purpose: A segment to indicate the main carriage stage of the transport (sea), such as voyage number/indication sea transport, vessel and carrier/liner. Information on related pre-carriage stage(s) can also be included, such as mode, indication of inland transport (road, rail and inland water) and inland carrier.

Notes: *TDT+20+0503+1++MAE:172:20+++A8NC4:103::APL CALIFORNIA'*

TDT+20+0503+1++MAE:172:20+++9350044:146::APL CALIFORNIA'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	8051		TRANSPORT STAGE QUALIFIER 20 Main-carriage transport <i>Example: 20</i>	M an..3
R	8028		CONVEYANCE REFERENCE NUMBER <i>Line voyage number</i> <i>Example: 0503</i>	C an..17
R	C220		MODE OF TRANSPORT	C
X		8067	Mode of transport, coded 1 Maritime transport coded <i>Example: 1</i>	C an..3
X		8066	Mode of transport	C an..17
X	C228		TRANSPORT MEANS	C
X		8179	Type of means of transport identification	C an..8
R		8178	Type of means of transport <i>Type of Means of Transport (free text)</i>	C an..17
R	C040		CARRIER	C
R		3127	Carrier identification <i>Vessel operator's code</i> <i>Example: MAE</i>	C an..17
R		1131	Code list qualifier 172 Carrier code <i>Example: 172</i>	C an..3
M		3055	Code list responsible agency, coded 20 BIC (Bureau International des Containers) <i>Example: 20</i>	C an..3
X		3128	Carrier name <i>Carrier name (free text)</i>	C an..35
X	8101		TRANSIT DIRECTION, CODED	C an..3
X	C401		EXCESS TRANSPORTATION INFORMATION	C
X		8457	Excess transportation reason, coded	M an..3
X		8459	Excess transportation responsibility, coded	M an..3

R		7130	Customer authorization number	C an..17
R	C222		TRANSPORT IDENTIFICATION	C
R		8213	Id. of means of transport identification <i>Radio call sign (if C222.e1131 = '103')</i> <i>Vessel code (if C22.e1131 = '146')</i> <i>Example: A8NC4 (if C222.e1131 = '103')</i> <i>Example: 9350044 (if C22.e1131 = '146')</i>	C an..9
O		1131	Code list qualifier 103 <i>Call sign directory</i> 146 <i>Means of transport identification</i> <i>Example: 103</i>	C an..3
R		3055	Code list responsible agency, coded	C an..3
X		8212	Id. of the means of transport <i>Vessel name (free text)</i> <i>Example: APL CALIFORNIA</i>	C an..35
X		8453	Nationality of means of transport, coded	C an..3
	8281		TRANSPORT OWNERSHIP, CODED	C an..3

8.5.2 RFF (Reference)

Segment: **RFF** Reference

Position: 0090

Group: Segment Group 1 (Details of Transport) Conditional (Required)

Level: 2

Usage: Conditional (Optional)

Max Use: 9

Purpose: A segment to provide a reference for the liner service, such as:

- vessel sharing agreement

Used to specify alternative voyage number.

Notes: RFF+VON:0505'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	C506		REFERENCE	M
M		1153	Reference qualifier VON Voyage number <i>Example: VON</i>	M an..3
R		1154	Reference number <i>Alternative voyage number</i> <i>Example: 001025</i>	C an..35
X		1156	Line number	C an..6
X		4000	Reference version number	C an..35

Further Information

For vessel MSC INSA:

- The MSC carrier's main voyage number is "0398"
- For carrier operator "MSC" (Mediterranean Shipping Company), the alternative voyage number for the MSC INSA is "001025".
- For co-loader "LTP" (Lloyd Triestino), the alternative voyage number for the MSC INSA is "0248S".
- For co-loader "ACL" (Atlantic Container Lines), the alternative voyage number for the MSC INSA is "0668".

This means that we will receive three separate electronic booking messages:

- one from the shipping agent representing MSC
- one from the shipping agent representing LTP
- one from the shipping agent representing ACL

TDT and RFF segment in COPARN from shipping agent representing MSC:

```
TDT+20+0398+1+++MSC:172:20+++3FWO5:103::MSC INSA '
RFF+VON:001025'
NAD+CF+MSC'
```

TDT and RFF segment in COPARN from shipping agent representing LTP:

```
TDT+20+0398+1+++MSC:172:20+++3FWO5:103::MSC INSA '
RFF+VON:0248S'
NAD+CF+LTP'
```

TDT and RFF segment in COPARN from shipping agent representing ACL:

```
TDT+20+0398+1+++MSC:172:20+++3FWO5:103::MSC INSA '
RFF+VON:0668'
NAD+CF+ACL'
```

When we are to report the loading operation for vessel MSC INSA electronically (COARRI loading report message), we will in return use the same alternative voyage numbers to report to the parties concerned. In this example, these parties are the shipping agents, representing MSC, LTP and ACL.

8.5.3 LOC (Place/Location/Identification)

Segment: **LOC** Place/Location/Identification

Position: 0100

Group: Segment Group 1 (Details of Transport) Conditional (Required)

Level: 2

Usage: Conditional (Optional)

Max Use: 9

Purpose: A segment to indicate a place/port corresponding to the transport stage, such as final place/port of discharge or port of loading.

Notes: LOC+9+SIKOP:139:6'

LOC+11+BEANR:139:6'

Data Element Summary

	Data Element	Component Element	Name	Attributes
<u>M</u>	<u>3227</u>		PLACE/LOCATION QUALIFIER 9 Place/port of loading 11 Place/port of discharge 136 Final Destination Example: 9	<u>M an..3</u>
<u>R</u>	<u>C517</u>		LOCATION IDENTIFICATION	<u>C</u>
<u>R</u>		<u>3225</u>	Place/location identification UNLocode is always sent. (SIKOP mandatory for: LOC.e3227=9 (if BGM.C002.e1001 = '11') LOC.e3227=11 (if BGM.C002.e1001 = '12') Example: SIKOP	<u>C an..25</u>
<u>D</u>		<u>1131</u>	Code list qualifier 139 Port Example: 139	<u>C an..3</u>
<u>D</u>		<u>3055</u>	Code list responsible agency, coded UN/ECE (United Nations - Economic Commission for Europe) Example: 6	<u>C an..3</u>
<u>D</u>		<u>3224</u>	Place/location Free text location name. Only used if no UNLocode sent in C517.e3225	<u>C an..17</u>
<u>O</u>	<u>C519</u>		RELATED LOCATION ONE IDENTIFICATION	<u>C</u>
<u>R</u>		<u>3223</u>	Related place/location one identification Terminal code (local code set)	<u>C an..25</u>
<u>R</u>		<u>1131</u>	Code list qualifier Container terminal	<u>C an..3</u>
<u>R</u>		<u>3055</u>	Code list responsible agency, coded Mutually defined	<u>C an..3</u>
<u>X</u>		<u>3222</u>	Related place/location one	<u>C an..70</u>
<u>X</u>	<u>C553</u>		RELATED LOCATION TWO IDENTIFICATION	<u>C</u>
<u>X</u>		<u>3233</u>	Related place/location two identification	<u>C an..25</u>
<u>X</u>		<u>1131</u>	Code list qualifier	<u>C an..3</u>
<u>X</u>		<u>3055</u>	Code list responsible agency, coded	<u>C an..3</u>
<u>X</u>		<u>3232</u>	Related place/location two	<u>C an..70</u>
<u>X</u>	<u>5479</u>		RELATION, CODED	<u>C an..3</u>

8.5.4 DTM (Date/Time/Period)

Segment: **DTM** Date/Time/Period

Position: 0110

Group: Segment Group 1 (Details of Transport) Conditional (Required)

Level: 2

Usage: Conditional (Optional)

Max Use: 9

Purpose: A segment to indicate the arrival date and time of an inland means of transport, such as:
Arrival date/time, estimated.

Both ETA and ETD is always sent.

Notes: DTM+132:200510291400:203'

DTM+133:200510291400:203'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	C507		DATE/TIME/PERIOD	M
M		2005	Date/time/period qualifier 132 Arrival date/time, estimated 133 Departure date/time, estimated <i>Example: 132</i> <i>Example: 133</i>	M an..3
R		2380	Date/time/period Estimated arrival/departure date/time <i>Example: 200510291400</i>	C an..35
R		2379	Code list qualifier 201 CCYYMMDD 203 CCYYMMDDHHMM <i>Example: 203</i>	C an..3

8.6 Group 2

8.6.1 NAD (Name and Address)

Segment: **NAD** Name and Address

Position: 0130

Group: Segment Group 2 (Name and Address) Mandatory

Level: 1

Usage: Mandatory

Max Use: 1

Purpose: A segment to identify the party's name and address, and function, and other addresses, such as: - ordering customer - ordering customer agent - message recipient - message sender - place of positioning - place of collection - final place of positioning - carrier agent (sea) - charges payer

Notes: NAD+CA+MAE:172:20'

NAD+CF+LTP:172:20'

NAD+FW+GRCO+GEFCO LE HAVRE'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	3035		PARTY QUALIFIER CA Carrier CF Container Operator FW Freight forwarder Example: CA Example: CF Example: FW	M an..3
O	C082		PARTY IDENTIFICATION DETAILS	C
M		3039	Party id. identification Carrier code (if e3035 = 'CA') Container Operator (if e3035 = 'CF') Example: MAE Example: LPT	M an..35
D		1131	Code list qualifier 172 Carrier code 160 Party identification Example: 172	C an..3
D		3055	Code list responsible agency, coded 20 BIC (Bureau International des Containeurs) Example: 20	C an..3
O	C058		NAME AND ADDRESS	C
C		3124	Name and address line Company name (if e3035 = 'CF', 'FW')	M an..35
X		3124	Name and address line	C an..35
X		3124	Name and address line	C an..35
X		3124	Name and address line	C an..35
X		3124	Name and address line	C an..35
X	C080		PARTY NAME	C
X		3036	Party name	M an..35
X		3036	Party name	C an..35
X		3036	Party name	C an..35
X		3036	Party name	C an..35

X		3036	Party name	C an..35
X		3045	Party name format, coded	C an..3
X	C059		STREET	C
X		3042	Street and number/p.o. box	M an..35
X		3042	Street and number/p.o. box	C an..35
X		3042	Street and number/p.o. box	C an..35
X	3164		CITY NAME	C an..35
X	3229		COUNTRY SUB-ENTITY IDENTIFICATION	C an..9
X	3251		POSTCODE IDENTIFICATION	C an..9
X	3207		COUNTRY, CODED	C an..3

8.7 Group 3

8.7.1 GID (Goods Item Details)

Segment: **GID** Goods Item Details

Position: 0180

Group: Segment Group 3 (Goods Item Details) Conditional (Optional)

Level: 1

Usage: Mandatory

Max Use: 1

Purpose: A segment to identify a goods item (to be) stuffed in or (to be) stripped from the containers. A goods item can be identified by a goods item number.

Segment group 3 is to be used in case :

1. Goods description is to be provided (optional)
2. Hazardous cargo details are to be provided

Notes: GID+1'

Data Element Summary

	Data Element	Component Element	Name	Attributes
R	1496		GOODS ITEM NUMBER <i>Dummy value. Starting with '1' and incremented with '1' for every new occurrence of the GID group.</i> <i>Example: 1</i>	C an..5
X	C213		NUMBER AND TYPE OF PACKAGES	C
X		7224	Number of packages	C n..8
X		7065	Type of packages identification	C an..17
X		1131	Code list qualifier	C an..3
X		3055	Code list responsible agency, coded	C an..3
X		7064	Type of packages	C an..35
X	C213		NUMBER AND TYPE OF PACKAGES	C
X		7224	Number of packages	C n..8
X		7065	Type of packages identification	C an..17
X		1131	Code list qualifier	C an..3
X		3055	Code list responsible agency, coded	C an..3
X		7064	Type of packages	C an..35
X	C213		NUMBER AND TYPE OF PACKAGES	C
X		7224	Number of packages	C n..8
X		7065	Type of packages identification	C an..17
X		1131	Code list qualifier	C an..3
X		3055	Code list responsible agency, coded	C an..3
X		7064	Type of packages	C an..35

8.7.2 FTX (Free Text)

Segment: **FTX** Free Text

Position: 0200

Group: Segment Group 3 (Goods Item Details) Conditional (Optional)

Level: 2

Usage: Conditional (Optional)

Max Use: 9

Purpose: A segment to describe the goods item or to provide special instructions.

Comments:

Notes: FTX+AAA+++PHOTOGRAPHIC MATERIAL'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	4451		TEXT SUBJECT QUALIFIER AAA Goods description AAI General information <i>Example: AAA</i>	M an..3
X	4453		TEXT FUNCTION, CODED	C an..3
X	C107		TEXT REFERENCE	C
X		4441	Free text, coded	M an..3
X		1131	Code list qualifier	C an..3
X		3055	Code list responsible agency, coded	C an..3
R	C108		TEXT LITERAL <i>Goods description</i>	C
M		4440	Free text <i>Goods description</i> <i>Example: PHOTOGRAPHIC MATERIAL</i>	M an..70
O		4440	Free text	C an..70
O		4440	Free text	C an..70
O		4440	Free text	C an..70
O		4440	Free text	C an..70
X	3453		LANGUAGE, CODED	C an..3

8.8 Group 7

8.8.1 EQD (Equipment Details)

Segment: **EQD** Equipment Details

Position: 0380

Group: Segment Group 7 (Equipment Details) Mandatory

Level: 1

Usage: Mandatory

Max Use: 1

Purpose: A segment to specify a container, container size and type, and full/empty indication; also to specify the type of rail car on which a related container is transported.

When the container number is provided, the EQN-segment has value 1 for obvious reasons.

Notes: EQD+CN++45G1:102:5+2+2+5'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	8053		EQUIPMENT QUALIFIER <i>Example: CN</i>	M an..3
O	C237		EQUIPMENT IDENTIFICATION	C
O		8260	Equipment identification number <i>Container number, transmitted as it appears on the equipment.</i>	C an..17
X		1131	Code list qualifier	C an..3
X		3055	Code list responsible agency, coded	C an..3
X		3207	Country, coded	C an..3
R	C224		EQUIPMENT SIZE AND TYPE	C
R		8155	Equipment size and type identification <i>ISO 6346.2 size/type code</i> <i>Example: 45G1</i>	C an..10
R		1131	Code list qualifier <i>Size and type</i> <i>Example: 102</i>	C an..3
R		3055	Code list responsible agency, coded 4 ICC 5 ISO (International Organization for Standardization) <i>Example: 5</i>	C an..3
X		8154	Equipment size and type <i>Size/type (free text)</i>	C an..35
R	8077		EQUIPMENT SUPPLIER, CODED 1 Shipper supplied 2 Carrier supplied <i>Example: 2</i>	C an..3
R	8249		EQUIPMENT STATUS, CODED 2 Export 3 Import Storage <i>Example: 2</i>	C an..3
R	8169		FULL/EMPTY INDICATOR, CODED 4 Empty 5 Full <i>Example: 5</i>	C an..3

Examples :

Full In with ISO-code: EQD+CN++4210:102:5++2+5 '
Empty Out with ISO-code: EQD+CN++4210:102:5++2+4 '
Full in with container number: EQD+CN+TRLU1234567+4210:102:5++2+5 '

Specification of empty-out containers:

ISO code:

In the EQD segment, the value for data element 8155 (Equipment size and type identification) is the ISO code for the corresponding container. This element is then followed by Code list qualifier (1131) with value "102" and Code list responsible agency coded (3055) with value "5"

Example:

EQD+CN++4500:102:5++2+4 '

Specification of container number in EQD:

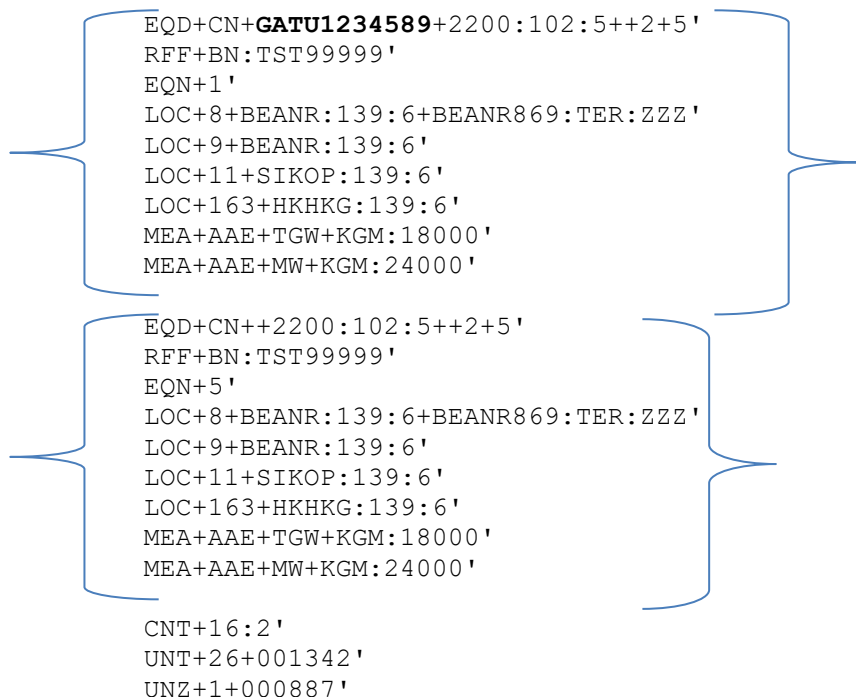
It's possible to give multiple container numbers for one booking reference:

- a. You just have to repeat the EQD-group
- b. With EQN segment

In some cases the container number will be unknown (cross bookings,...), then just omit the container number.

Example:

```
UNB+UNOA:2+115500+101302+991224:1100+000887 '  
UNH+001342+COPARN:D:95B:UN:ITG '  
BGM+11+AVW00001+9 '  
RFF+XXX:1 '  
TDT+20+RH35E+1++HYU:172:20+++3ECE7:103::RHEIN BRIDGE '  
RFF+VON:RH35E '  
NAD+CF+HYU '
```



8.8.2 RFF (Reference)

Segment: **RFF** Reference

Position: 0390

Group: Segment Group 7 (Equipment Details) Mandatory

Level: 2

Usage: Conditional (Required)

Max Use: 9

Purpose: A segment to specify the identifying number associated with the container, such as: - container sequence number - lower equipment serial number of range - upper equipment serial number of range - referring sequence number - reference at place of positioning - reference at place of collection - related container announcement reference (reference to Empty container disposition order) - transport costs reference number

Notes: RFF+BN:LDN015123'

RFF+SQ:15763'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	C506		REFERENCE	M
M		1153	Reference qualifier <i>SQ</i> Container sequence number Used in single-container messages only (mandatory (if EQD.8169 = 5)) <i>BN</i> Booking reference number (Conditional) <i>UCN</i> Unique consignment reference number (Conditional) <i>Example:</i> BN <i>Example:</i> SQ	M an..3
R		1154	Reference number <i>Container reference number (if C506.e1153 = 'SQ')</i> <i>Booking number (if C506.e1153 = 'BN')</i> <i>Example:</i> LDN015123' <i>Example:</i> 15763'	C an..35
X		1156	Line number	C an..6
X		4000	Reference version number	C an..35

8.8.3 EQN (Number of Units)

Segment: **EQN** Number of units

Position: 0400

Group: Segment Group 7 (Equipment Details) Mandatory

Level: 2

Usage: Conditional (Optional)

Max Use: 1

Purpose: The EQN specifies the number of items of equipment conforming to the description provided in the preceding EQD (where there is more than one such item of equipment).

Notes: EQN+3'

Data Element Summary

	Data Element	Component Element	Name	Attributes
R	C523		MOVEMENT TYPE	
R		6350	Number of units <i>Example: 3</i>	C an..15
X		6353	Number of units qualifier	C an..3

8.8.4 TMD (Transport Movement Details)

Segment: **TMD** Transport Movement Details

Position: 0410

Group: Segment Group 7 (Equipment Details) Mandatory

Level: 2

Usage: Conditional (Optional)

Max Use: 9

Purpose: A segment to indicate a Full Container Load (FCL) or a Less than Full Container Load (LCL).

Notes: TMD+3++1 '

Data Element Summary

	Data Element	Component Element	Name	Attributes
R	C219		MOVEMENT TYPE	C
R		8335	Movement type, coded 2 LCL/LCL 3 FCL/FCL <i>Example: 3</i>	C an..3
X		8334	Movement type	C an..35
X	8332		EQUIPMENT PLAN	C an..26
R	8341		HAULAGE ARRANGEMENTS, CODED 1 Carrier 2 Merchant <i>Example: 1</i>	C an..3

8.8.5 DTM (Date/Time/Period)

Segment: **DTM** Date/Time/Period

Position: 0420

Group: Segment Group 7 (Equipment Details) Mandatory

Level: 2

Usage: Conditional (Optional)

Max Use: 9

Purpose: A segment to indicate a date and time relating to the container, such as: estimated positioning date/time - ultimate release date/time

Notes: DTM+132:200510251600:203'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	C507		DATE/TIME/PERIOD	M
M		2005	Date/time/period qualifier <i>7</i> Validity From <i>132</i> Validity From <i>36</i> Validity To <i>133</i> Validity To <i>Example: 132</i>	M an..3
R		2380	Date/time/period <i>Expected date/time of equipment pick-up/delivery</i> <i>Example: 200510251600</i>	C an..35
R		2379	Code list qualifier <i>203</i> CCYMMDDHHMM <i>201</i> CCYMMDD <i>102</i> CCYMMDD <i>Example: 203</i>	C an..3

8.8.6 LOC (Place/Location/Identification)

Segment: **LOC** Place/Location/Identification

Position: 0440

Group: Segment Group 7 (Equipment Details) Mandatory

Level: 2

Usage: Conditional (Required)

Max Use: 9

Purpose: A segment to specify ports/locations associated with the sea transport of a container in case of export, such as: - place of discharge - transshipment place

Notes: [LOC+11+AEJAL:139:6'](#)

[LOC+8+AEDXB:139:6'](#)

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	3227		PLACE/LOCATION QUALIFIER 8 Place of destination 83 Place of destination 9 Port of Loading 11 Place/port of discharge <i>Example: 11</i>	M an..3
R	C517		LOCATION IDENTIFICATION <i>UNLocode is always sent.</i>	C
R		3225	Place/location identification <i>UNLocode (SIKOP mandatory for:</i> <i>LOC.e3227 = 9 if BGM.C002.e1001 = 11</i> <i>LOC.e3227 = 11 if BGM.C002.e1001 = 12</i> <i>Example: AEJAL</i>	Can..25
D		1131	Code list qualifier 139 Port <i>Example: 139</i>	Can..3
D		3055	Code list responsible agency, coded 6 UN/ECE (United Nations – Economic Commission for Europe) <i>Example: 6</i>	Can..3
D		3224	Place/location <i>Free text location name. Only used if no UNLocode sent in C517.e3225.</i>	Can..17
O	C519		RELATED LOCATION ONE IDENTIFICATION	C
O		3223	Related place/location one identification <i>Terminal/depot code (local code set)</i>	Can..25
O		1131	Code list qualifier TER Container terminal	Can..3
O		3055	Code list responsible agency, coded ZZZ Mutually defined	Can..3
X		3222	Related place/location one	Can..70
X	C553		RELATED LOCATION TWO IDENTIFICATION	C
X		3233	Related place/location two identification	Can..25
X		1131	Code list qualifier	Can..3
X		3055	Code list responsible agency, coded	Can..3
X		3232	Related place/location two	Can..70
X	5479		RELATION, CODED	Can..3

Possible Place/Location qualifiers (3227):

Place of destination: (LOC+9)

The LOC –segment with “8” as place/location qualifier is only used in a gate in instruction (full or empty). In this case, the Port of Koper container terminal has to be considered as place of destination where the container is delivered full or empty by truck or train.

Example:

LOC+9+SIKOP:139:6+KOPER:TER:ZZZ'

Port of discharge: (LOC+11) SPOD

The operational port of discharge is the port of destination from the vessel point of view. In that port, the goods may be transhipped to another vessel and continue their voyage to their final port of destination (= LOC+163: see below). To specify this place/port, qualifier “11” has to be used.

Example:

LOC+11+SGSIN:139:6'

Place of destination for stowage purposes: (LOC+163) POD

The place of delivery is the final port of destination from the goods point of view. From there, they will be transported to an inland destination by truck, train or barge... To specify this port, qualifier “163” has to be used.

Example:

LOC+163+CNYTN:139:6'

But if the final port of destination is already an inland destination, then the LOC+163 = LOC+11

Port of loading: (LOC+9)

To specify the operational port of loading, qualifier “9” has to be used. The port code itself is always to corresponding UN Locode (e.g. SIKOP)

Example:

LOC+9+SIKOP:139:6'

8.8.7 MEA (Measurement)

Segment: **MEA** Measurement

Position: 0450

Group: Segment Group 7 (Equipment Details) Mandatory

Level: 2

Usage: Conditional (Required)

Max Use: 9

Purpose: A segment to specify measurement, other than dimensions, associated with the container, such as: - tare weight - gross weight

Notes: MEA+AAE+EGW+KGM:18000'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	6311		MEASUREMENT APPLICATION QUALIFIER <i>AAE Measurement</i> <i>WT Weights</i> <i>Example: AAE</i>	M an..3
R	C502		MEASUREMENT DETAILS	C
R		6313	Measurement dimension, coded <i>VGM Verified Gross Mass (If EQD 8169 = 5)</i> <i>EGW Equipment gross weight - Gross weight, including carrier's equipment/container tare weight (If EQD 8169 = 5)</i> <i>G Gross weight - Cargo gross weight, excluding carrier's equipment/container tare weight (If EQD 8169 = 5)</i> <i>T Tare weight - Equipment/container (If EQD 8169 = 4)</i> <i>Example: EGW</i>	C an..3
X		6321	Measurement significance, coded	C an..3
X		6155	Measurement attribute, coded	C an..3
X		6154	Measurement attribute	C an..70
R	C174		VALUE/RANGE	C
M		6411	Measure unit qualifier <i>KGM Kilograms</i> <i>Example: KGM</i>	M an..3
R		6314	Measurement value <i>Weight or volume</i> <i>Example: 18000'</i>	C n..18
X		6162	Range minimum	C n..18
X		6152	Range maximum	C n..18
X	6432		SIGNIFICANT DIGITS	C n..2
X	7383		SURFACE/LAYER INDICATOR, CODED	C an..3

8.8.8 DIM (Dimensions)

Segment: **DIM** Dimensions

Position: 0460
Group: Segment Group 7 (Equipment Details) Mandatory
Level: 2
Usage: Conditional (Dependent)
Max Use: 9
Purpose: off-standard dimensions, general - off-standard dimensions, front - off-standard dimensions, rear - off-standard dimensions, right - off-standard dimensions, left - off-standard dimensions, height - external equipment dimensions - dimensions equipment door - net dimensions
Notes: DIM+9+CMT:::110'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	6145		DIMENSION QUALIFIER 5 <i>Off-standard dimension front</i> 6 <i>Off-standard dimension back</i> 7 <i>Off-standard dimension right</i> 8 <i>Off-standard dimension left</i> 9 <i>Off-standard dimension general</i> <i>Example: 9</i>	M an..3
M	C211		DIMENSIONS	M
M		6411	Measure unit qualifier <i>CMT Centimeters</i> <i>Example: CMT</i>	M an..3
D		6168	Length dimension <i>Overlength if e6145 = 5 or 6</i>	C an..15
D		6140	Width dimension <i>Overwidth if e6145 = 7 or 8</i>	C an..15
D		6008	Height dimension <i>Overheight if e6145 = 9</i>	C an..15

8.8.9 TMP (Temperature)

Segment: **TMP** Temperature

Position: 0470

Group: Segment Group 7 (Equipment Details) Mandatory

Level: 2

Usage: Conditional (Optional)

Max Use: 9

Purpose: A segment to specify the transport temperature setting of a container.

Notes: `TMP+2+-010:CEL'`

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	6245		TEMPERATURE QUALIFIER 2 Transport temperature <i>Example: 2</i>	M an..3
R	C239		TEMPERATURE SETTING	C
R		6246	Temperature setting <i>Example: 010</i>	C n..3
R		6411	Measure unit qualifier CEL Celsius <i>Example: CEL</i>	C an..3

The temperature qualifier (6245) with value "2" is followed by the temperature setting (6246). This is a 3-digit integer number. ("." excluded)

Examples:

"20.0" returns 020°

"09.0" returns 009°

Examples:

`TMP+2+10.0:CEL'` returns 010°C

`TMP+2+05.0:CEL'` returns 005°C

`TMP+2+-05.0:CEL'` returns -005°C

Temperature setting should be given as described above. Certain combinations are **not supported** and should never be used:

`TMP+2+00,0:CEL'` \ ' comma

`TMP+2+00.0'` no measure unit qualifier

`TMP+2+00.0°:CEL'` « ° »

Result: a translation error; the file cannot be processed automatically. Manual intervention or resending the EDI file is needed to process the booking order.

8.8.10 SEL (Seal Number)

Segment: **SEL** Seal Number

Position: 0490

Group: Segment Group 7 (Seal Number) Conditional

Level: 2

Usage: Optional

Max Use: 9

Purpose: A segment to identify seal and seal issuer associated with the container, such as shipper, consolidator, carrier (sea) and Customs.

Notes: SEL+TPG002184+CA'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	9308		SEAL NUMBER <i>SEL Seal number</i> <i>Example: TPG002184</i>	M an..10
O	C215		SEAL ISSUER	C
R		9303	Sealing party, coded <i>CA Carrier</i> <i>CU Customs</i> <i>SH Shipper</i> <i>TO Terminal Operator</i> <i>Example: CA</i>	C an..3
X		1131	Code list qualifier	C an..3
X		3055	Code list responsible agency, coded	C an..3
O		9302	Sealing party <i>Free text</i>	C an..35
O		4517	Seal Condition, coded <i>1 In right condition</i> <i>2 Damaged</i>	C an..3

8.8.11 FTX (Free Text)

Segment: **FTX** Free Text

Position: 0500

Group: Segment Group 7 (Equipment details) Mandatory

Level: 2

Usage: Conditional (Optional)

Max Use: 9

Purpose: A segment to specify supplementary information associated with the container, such as:

- loading instructions (seagoing vessel)
- special instructions (related to inland transport)
- container order information (conditions to be checked)
- remarks

Notes: FTX+HAN++UD '
FTX+AAI+++LOW CHASSIS '

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	4451		TEXT SUBJECT QUALIFIER AAA Goods Description AAI General information HAN Handling instructions SIN Special instructions <i>Example: AAI</i>	M an..3
X	4453		TEXT FUNCTION, CODED	C an..3
O	C107		TEXT REFERENCE	C
M		4441	FREE TEXT <i>Free text in coded form.</i>	M an..3
R		1131	Code list qualifier	C an..3
O		3055	Code list responsible agency, coded	C an..3
O	C108		TEXT LITERAL	C
M		4440	Free text <i>Instructions (free text) (if e4451 = 'AAI')</i> <i>Example: LOW CHASSIS</i>	M an..70
O		4440	Free text	C an..70
O		4440	Free text	C an..70
O		4440	Free text	C an..70
O		4440	Free text	C an..70
X	3453		LANGUAGE, CODED	C an..3

Specifying general information

Specifying general information should be done in the FTX segment with as Text Subject Qualifier (4451) "AAI" (=general information).

!! Please note that a free text segment can't be interpreted by a computer system. Therefore we advise to put as less information as possible in this segment.

Structure:

FTX+4451 = Text subject qualifier with as value "AAI" (=general information)

+++

4440 = Free text with as value a description/instruction/remark

'

Example:

FTX+AAI+++HEAVY PAYLOAD'

8.8.12 DGS (Dangerous Goods)

Segment: **DGS** Dangerous Goods

Position: 0510

Group: Segment Group 7 (Dangerous Goods) Conditional (Optional)

Level: 2

Usage: Optional

Max Use: 1

Purpose: A segment to indicate the dangerous goods regulations for the corresponding mode of transport, class of dangerous goods, additional dangerous goods code, UN-number and shipment flash point.

Notes: DGS+IMD+3+2058+026:CEL+3+F-ES-D+++FLAMMABLE LIQUIDS'

Data Element Summary

	Data Element	Component Element	Name	Attributes
R	8273		DANGEROUS GOODS REGULATIONS, CODED <i>IMD</i> IMO IMDG code <i>Example:</i> IMD	M an..3
R	C205		HAZARD CODE	C
M		8351	Hazard code identification <i>IMDG Class / Sub-class number</i> <i>Example:</i> 3	M an..7
X		8078	Hazard substance/item/page number	C an..7
X		8092	Hazard code version number	C an..10
R	C234		UNDG INFORMATION	C
R		7124	UNDG number <i>Example:</i> 2058	M an..4
X		7088	Dangerous goods flashpoint	C an..8
O	C223		DANGEROUS GOODS SHIPMENT FLASHPOINT	C
R		7106	Shipment flashpoint <i>Flashpoint temperature</i> <i>Example:</i> 026	C an..3
R		6411	Measure unit qualifier <i>Celsius</i> <i>Example:</i> CEL	C an..3
O	8339		PACKING GROUP, CODED <i>1</i> Great danger Packing Group I <i>2</i> Medium danger Packing Group II <i>3</i> Minor danger Packing Group III <i>Example:</i> 3	C an..3
O	8364		EMS NUMBER	C an..6
O	8410		MFAG	C an..4
O	8126		TREM CARD NUMBER	C an..10
O	C235		HAZARD IDENTIFICATION	C
O		8158	Hazard identification number, upper part	C an..4
O		8186	Substance identification number, lower part	C an..4
O	C236		DANGEROUS GOODS LABEL	C
O		8246	Dangerous goods label marking <i>Dangerous goods label marking 1</i>	C an..4
O		8246	Dangerous goods label marking <i>Dangerous goods label marking 2</i>	C an..4
X		8246	Dangerous goods label marking <i>Dangerous goods label marking 3</i>	C an..4
X	8255		ING INSTRUCTION, CODED	C an..3

X	8325		CATEGORY OF MEANS OF TRANSPORT, CODED	C an..3
X	8211		PERMISSION FOR TRANSPORT, CODED	C an..3

Multiple dangerous goods and limited quantities in one container - DGS-Segment & FTX-segment

Maximum 9 multiple dangerous goods can be specified in the DGS-group with a DGS-segment, followed by a FTX-segment with either as text subject qualifier (4451) "AAD" (= dangerous goods technical name) and / or a FTX –segment with as text qualifier (4451) "AAC" (= dangerous goods additional information).

Every DGS segment should be followed by the FTX segment with qualifier "AAD". If a limited quantities regulation is applicable, also an FTX segment with qualifier "AAC" is to be used. The limited quantities regulations are in general applicable when the dangerous goods are transported in small quantities and when these dangerous goods are packed in accordance with these regulations.

Structure:

```
DGS+8273 = Dangerous goods regulations = "IMD"
+
8351 = Hazard code identification = IMDG Class Number or Sub Class Number
+
7124 = UNDG Number
\
```

Dangerous goods technical name:

```
FTX+4451 = Text Subject qualifier with as value "AAD" = (dangerous goods technical name)
+++
4040 = Free text
\
```

Dangerous goods additional information

```
FTX+4451 = Text Subject qualifier with as value "AAC" = (dangerous goods additional information)
++
4441 = Free text coded with as value "TLQ"
+
4440 = Free text with as value "DANGEROUS GOODS TRANSPORTED IN LIMITED QUANTITIES"
\
```

Example :

```
...
FTX+AAA+++CHEMICALS ' DGS+IMD+2+1950' FTX+AAD+++ TURPENTINE'
FTX+AAC++TLQ +DANGEROUS GOODS TRANSPORTED IN LIMITED QUANTITIES'
DGS+IMD+8+2790'
FTX+AAD+++CAUSTIC SODA SOLIDS'
FTX+AAC++TLQ +DANGEROUS GOODS TRANSPORTED IN LIMITED QUANTITIES'
DGS+IMD+8+1823'
FTX+AAD+++HYDROQUINONE, SOLID OR LIQUID'
FTX+AAC++TLQ +DANGEROUS GOODS TRANSPORTED IN LIMITED QUANTITIES'
...
```

So all IMDG / UN number combinations transported in the container have a FTX +AAC segment

8.9 CNT (Control Total)

Segment: **CNT** Control Total

Position: 0670

Group:

Level: 0

Usage: Mandatory

Max Use: 1

Purpose: A segment to specify the number of containers in the message (EQD segment), explicitly given by the sender.

Notes: CNT+16:1'

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	C270		CONTROL	M
M		6069	Control qualifier <i>16 total number of equipment</i> <i>Example: 16</i>	Man..3
M		6066	Control value <i>Number of EQD segments in the message</i> <i>Example: 1</i>	Man..18
X		6411	Measure unit qualifier	Can..3

8.10UNT (Message Trailer)

Segment: **UNT** Message Trailer

Position: 0680

Group:

Level: 0

Usage: Mandatory

Max Use: 1

Purpose: Service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

Notes: UNT+29+001 '

Data Element Summary

	Data Element	Component Element	Name	Attributes
M	0074		NUMBER OF SEGMENTS IN A MESSAGE <i>Total number of segments in the message</i> <i>Example: 19</i>	M n..6
M	0062		MESSAGE REFERENCE NUMBER <i>Message reference identical to 0062 in UNH segment</i> <i>Example: 001 '</i>	M an..14

9 SAMPLE MESSAGE

9.1 Single container (equipment-based) message:

9.1.1 Create

```
UNH+178391299+COPARN:D:95B:UN:ITG12'  
BGM+12+20260000461+9'  
RFF+BN:38756350900'  
RFF+RE:666737591e'  
TDT+20+AH829R+1++MSCU:172:20+++D5  
MH5:103::ELKE'  
LOC+9+SIKOP:139:6'  
LOC+11+ITGIT:139:6'  
LOC+83+USSEA:139:6'  
NAD+CA+MSC:160:20'  
CTA+IC+system account'  
DTM+137:201807111136:203'  
GID+1'  
PIA+5+950611:HS'  
EQD+CN++4310:102:5+++4'  
RFF+BN:38756350900'  
RFF+RE:666737591e'  
RFF+SQ:0387563509480001'  
RFF+ACD:38756350948'  
DTM+7:201807111136:203'  
MEA+AAE+G+KGM:7000'  
MEA+AAE+T+KGM:4000'  
CNT+16:1'  
UNT+23+178391299'
```

9.1.2 Update or delete

A. RFF+BN and RFF+SQ

```
UNH+178391300+COPARN:D:95B:UN:ITG12'  
BGM+12+20260000461+5'  
RFF+BN:38756350900'  
RFF+RE:666737591e'  
TDT+20+AH829R+1++MSCU:172:20+++D5  
MH5:103::ELKE'  
LOC+9+SIKOP:139:6'  
LOC+11+ITGIT:139:6'  
LOC+83+USSEA:139:6'  
NAD+CA+MSC:160:20'  
CTA+IC+system account'  
DTM+137:201807111136:203'  
GID+1'  
PIA+5+950611:HS'  
EQD+CN+MAEU5401359+4510:102:5+++4'  
RFF+BN:38756350900'  
RFF+RE:666737591e'  
RFF+SQ:0387563509480001'  
RFF+ACD:38756350948'  
DTM+7:201807111136:203'  
MEA+AAE+G+KGM:7000'  
MEA+AAE+T+KGM:4000'  
CNT+16:1'  
UNT+23+1783912300'
```

OR

B. RFF+ACW

UNH+178391300+COPARN:D:95B:UN:ITG12'
BGM+12+20260000461+5'
RFF+BN:38756350900'
RFF+RE:666737591e'
RFF+ACW:178391299'
TDT+20+AH829R+1++MSCU:172:20+++D5MH5:103::ELKE'
LOC+9+SIKOP:139:6'
LOC+11+ITGIT:139:6'
LOC+83+USSEA:139:6'
NAD+CA+MSC:160:20'
CTA+IC+system account'
DTM+137:201807111136:203'
GID+1'
PIA+5+950611:HS'
EQD+CN+MAEU5401359+4510:102:5+++4'
RFF+BN:38756350900'
RFF+RE:666737591e'
RFF+SQ:0387563509480001'
RFF+ACD:38756350948'
DTM+7:201807111136:203'
MEA+AAE+G+KGM:7000'
MEA+AAE+T+KGM:4000'
CNT+16:1'
UNT+23+1783912300'

9.2 Multi container (booking-based) message:

9.2.1 Create:

UNH+0001+COPARN:D:95B:UN'
BGM+12+00000000001+9'
RFF+BN:ANTA05738'
TDT+20+0503+1++MAE:172:20+++OYDM2:103::KIRSTEN
MAERSK'
LOC+9+BEANR:139:6+K913:TER:ZZZ'
DTM+133:200510301230:203'
DTM+132:200510291400:203'
NAD+CA+MAE:172:20'
GID+1'
FTX+AAA+++PHOTOGRAPHIC MATERIAL'
EQD+CN+++45R1:102:5+2+2+5'
RFF+BN:ANTA05738'
EQN+2'
TMD+3++1'
LOC+11+SGSIN:139:6'
LOC+8+IDJKT:139:6'
MEA+AAE+EGW+KGM:18000'
TMP+2+063:FAH'
FTX+SIN++VIP'
EQA+R'
CNT+16:1'
UNT+23+0001'

9.2.2 Update or delete

UNH+0002+COPARN:D:95B:UN'
BGM+12+00090+5'
RFF+BN:ANTA0555'
RFF+ACW:0001
TDT+20+0503+1++MAE:172:20+++OYDM2:103::KIRSTEN
MAERSK'
LOC+9+SIKOP'
DTM+133:200510301230:203'
DTM+132:200510291400:203'
NAD+CA+MAE:172:20'
GID+1'
FTX+AAA+++PHOTOGRAPHIC MATERIAL'
EQD+CN++45R1:102:5+2+2+5'
RFF+BN:ANTA05738'
EQN+10'
RFF+SQ:32702'
TMD+3++1'
LOC+11+SIKOP:139:6'
LOC+8+IDJKT:139:6'
MEA+AAE+EGW+KGM:18000'
TMP+2+063:FAH'
FTX+SIN++VIP'
EQA+RG+MAEG110973'
CNT+16:1'
UNT+24+0002'

10 VERSION HISTORY

Date Issued	Version no.	Changes	Changed by
10.11.2015	0.1	First draft	Actual I.T.
05.06.2018	0.2	<ul style="list-style-type: none">- One Interchange Header (UNB – UNZ) may contain one or more Message Header (UNH – UNT).- New segment EQN- RFF+ACW mandatory on update or delete COPARN	Actual I.T.
12.07.2018	0.3	<p>Update can be done with:</p> <ul style="list-style-type: none">- RFF+ACW or- RFF+BN and RFF+SQ	Actual I.T.