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USER MANUAL
(IMPLEMENTATION GUIDE)

UN/EDIFACT BAYPLAN MESSAGE

BAPLIE
for
RAIL

Version 0.1

DRAFT VERSION

**THIS MANUAL IS INTENDED TO BE STUDIED AND DISCUSSED
BY SMDG MEMBERS.**

USE OF THIS MANUAL IS ENTIRELY AT YOUR OWN RISK.

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0. INTRODUCTION

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The instructions are valid for the "UN/EDIFACT UNITED NATIONS STANDARD MESSAGE (UNSM) BAYPLAN/STOWAGEPLAN OCCUPIED AND EMPTY LOCATIONS MESSAGE" (BAPLIE), as designed by the SMDG (User Group for Shipping Lines and Container Terminals).

The instructions in this manual are valid for transport of containers by **RAIL**.

This manual is intended for use by terminal operators, rail operators, etc.

This "User Manual" (or "Implementation Guide") version 0.1 was developed in 2008 and 2009 by the **User Group for Shipping Lines and Container Terminals SMDG**.

The **SMDG** is a "Pan European User Group" under the auspices of the **Western European Edifact Board (WEEB)**.

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1. ADDRESSES

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Any remarks, comments or questions can be addressed to the following address:

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or to any active member of the SMDG.

2. GENERAL

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The EDIFACT Bayplan "BAPLIE" will be used to transmit information about ALL railway wagons in a train to interested parties like the rail operator and the terminal operator in the receiving Rail-terminal.

The Principle

The message will be transmitted to the Rail-terminal operator in the receiving terminal, who will then be able to extract the information relevant to his operation from the message.

Subsequently the information about equipment discharged from the train on his terminal will be removed, information about equipment loaded at his terminal will be inserted and the location of equipment shifted at his terminal will be changed.

Upon departure of the train he will then transmit the updated bayplan-message to the rail operator and/or the terminal operator of the receiving rail-terminal, as per the instructions of his customer.

In case complete 'master' bayplans are being transmitted the receiving party should ensure that all data for the so-called 'remains on board' cargo remains intact for re-transmission to the next terminal.

Conventions

In this document a data element will be identified by the lowercase letter "e" followed by its element number (example: e8053). A data element within a composite will be identified by the lowercase letter "c" followed by the composite number followed by a full stop "." followed by the lowercase letter "e" followed by the element number (example: c237.e8260).

Immediately below the segment tags and data element identification the usage of same will be mentioned as follows:

'M' = mandatory:	The segment or data element is mandatory and must be given.
'R' = required:	The segment or data element is conditional but MUST be used anyway.
'D' = dependent:	The segment or data element is conditional and its use depends on some condition. This condition must be clarified in the description.
'A' = recommended:	The segment or data element is conditional and its use is recommended.
'O' = optional:	The segment or data element is conditional and its use is optional at the discretion of the sender.
'X' = not used:	The segment must not be used.

Next to the usage indicator the official format of the field will be given, i.e. a4 or an..15. The description may further limit the format of the field, f.e. a field with a format an..17 may be limited to an12 by its description.

If composites or data-elements are repeated within a segment, respectively a composite, the occurrences of the composites or data-elements can be indicated by its sequence number within the segment or composite between brackets, e.g. "(1)" being the first occurrence of the composite or data-element within the segment. If its occurrence within the segment or composite is of no relevance then the sequence number will not be mentioned. If the sequence numbers are mentioned, but not all of them (e.g. only 2 out of 5 occurrences are described), then the remaining occurrences may NOT be

used, unless agreed otherwise between partners

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Data elements within the segments that are not mentioned here will not be used, respectively should not contain important information, since they will probably not be seen by the recipient, unless agreed otherwise.

SMDG recommends to use only data elements, qualifiers and codes described in this manual. If partners agree to use additional data elements, qualifiers and codes, not described in this manual, then specific and detailed agreement about those data elements, qualifiers and codes should be made!

Optional data elements may be omitted, unless specifically made compulsory by this manual (Indicator "R" = required), or unless agreed otherwise between partners.

In no case neither mandatory segments according to the Bayplan Message Documentation "BAPLIE" nor mandatory composites or data elements according to the relevant Segment Directory may be omitted.

3. VERSIONS

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Data elements, composites and segments of the **UN/Edifact draft directory D.95B** are used in this manual.

Codes and qualifiers used, are according to **UN/EDIFACT Directory D.95B Code List**.

In some occasions, however, the required code or qualifier could not be found in the code list. In such cases a temporary code was assigned, awaiting the final code allocation from the UN/Edifact Board Code commission.

Also in some cases small amendments to the message structure were necessary. This manual anticipates on the approval of the respective DMR (Mata Maintenance Request) by the UN/Edifact Board. The structure of the message, as given in chapter 7, was agreed as such by the members of SMDG and will be implemented accordingly.

The BAPLIE implementation guideline for container vessels, version 2.1.1, has been used as a template for this guideline for rail.

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4. DESCRIPTION

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UNB
(M1)

INTERCHANGE HEADER

+

s001.e0001 Syntax Identifier: Always "UNOA", indicating the use
(M a4) of level "A" character set.

:

s001.e0002 Syntax Version Number: Always "2".
(M n1)

+

s002.e0004 Sender Identification: Name code of the sender of the
(M an..35) interchange (message). To be agreed between partners.

+

s003.e0010 Recipient Identification: Name code of the recipient of the
(M an..35) interchange (message). To be agreed between partners.

+

s004.e0017 Date of preparation: Preparation date of the interchange
(M n6) (message).

:

s004.e0019 Time of preparation: Preparation time of the interchange
(M n4) (message).

+

e0020 Interchange control reference: A reference allocated by the
(M an..14) sender, uniquely identifying an interchange. This reference
 must also be transmitted in the Interchange Trailer segment
 UNZ.

,

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UNH**MESSAGE HEADER**

(M1)

+

e0062 Message reference number: A reference allocated by the
(M an..14) sender, uniquely identifying a message. This reference must
 also be transmitted in the Message Trailer segment UNT.

+

s009.e0065 Message Type Identifier: The name of the UNSM or standard
(M an..6) EDIFACT message. In this case always "BAPLIE".

:

s009.e0052 Message Type Version Number: The version number of the
(M an..3) message. See EDIFACT documentation. At this moment the version
 is "D".

:

s009.e0054 Message Type Release Number: The release number of the
(M an..3) message. See EDIFACT documentation. At this moment the release
 number is "95B".

:

s009.e0051 Controlling Agency: The code of the controlling agency. For
(M an..2) this message the controlling agency is "UN".

:

s009.e0057 Association Assigned Code: The applicable SMDG User Manual
(R an..6) version number. For this manual always: "SMDG10". This will
 enable the recipient of the message to translate the message
 correctly, even if older versions are still in use.

,

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BGM
(M1)

BEGINNING OF MESSAGE

+

c002.e1001 Document/Message Name, coded. Code indicating which type of BAPLIE this concerns.
Allowed code: 746 = Delivery Notice (Rail Transport).

Note:

A similar code will be added to the User Guide for BAPLIE for container vessels in order to align this data element with each other.

Important warning:

If this data element remains empty the recipient of the message may erroneously decide that the message is a BAPLIE for container vessels and not for rail!

+

e1004 Document/Message Number: Reference allocated by the sender
(R an..35) individually, taken from the application.

+

e1225 Message Function, Coded: Code indicating the function of the
(R an..3) message. Acceptable codes are:
"2" = Add. Add to previous message.
"3" = Delete. Delete from previous message.
"4" = Change. Message with changes on previous message.
"5" = Replace. Message replacing a previous one.
"9" = Original. First or basic message.
"22" = Final. The final message in a series of BAPLIE messages.

,

Remarks: In principle only original messages (code "9") are allowed. The other codes may be used after prior agreement between sender and recipient.

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DTM
(M1)

DATE/TIME/PERIOD

+

c507.e2005 Date/Time/Period Qualifier: Code "137" (Document/Message
(M an..3) Date/Time)

:

c507.e2380 Date/Time/Period: Date or date/time of compiling the message.
(R an..35)

:

c507.e2379 Date/Time/Period Format Qualifier: Allowed qualifiers:
(R an..3) "101" = YYMMDD
 "201" = YYMMDDHHMM
 "301" = YYMMDDHHMMZZZ ("ZZZ" = Time zone, e.g. "GMT" or other)

,

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RFF
(X)

REFERENCE

This segment not to be used.

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NAD **NAME AND ADDRESS**
(X)

This segment is not to be used.

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Group **grp1** : TDT - LOC - DTM - RFF - FTX.
(M1)

TDT
(M1)
+

DETAILS OF TRANSPORT (grp1)

e8051 Transport Stage Qualifier: Code "20" (Main Carriage)
(M an..3)
+

e8028 Conveyance Reference Number: Train voyage number as
(R an..17) assigned by the Operating Rail Carrier or his agent.

+
+
+

c040.e3127 Carrier Identification: Carrier name, coded. Codes to be
(R an..17) agreed.

:

c040.e1131 Code List Qualifier: Code "172" (Carrier Code)
(R an..3)

:

c040.e3055 Code list responsible agency, coded. Allowed codes:
(R an..3) "20" = BIC (Bureau International des Containeurs)
 "166" = US National Motor Freight Classification Association
 SCAC)
 "ZZZ" = Mutually defined.

+
+
+

c222.e8213 Id of Means of Transport Identification. Block train
(R an..9) identification code: Mutually agreed train code.

:

c222.e1131 Code List Qualifier: Allowed qualifiers:
(R an..3) "ZZZ" = Mutually defined.

:

c222.e3055 Code list responsible agency, coded. Allowed code:
(R an..3) "ZZZ" = Mutually defined.

:

c222.e8212 Id. of means of transport: Block train name, if required.
(R an..35)

:

c222.e8453 Nationality of Means of Transport: Coded according to
(O an.. 3) UN-country code (ISO 3166).

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LOC
(M9)

PLACE/LOCATION IDENTIFICATION (grp1)

+

e3227 Place/Location Qualifier: Allowed qualifiers:
(M an..3) "5" = Place of Departure
 "8" = Place of Destination

+

c517.e3225 Place/Location Identification: Location code of the actual
(R an..25) place of departure (normally the sender of the message).
 UN-Locodes of 5 characters according to UN recommendation
 no.16. must be used.

:

c517.e1131 Code list qualifier. Allowed qualifiers:
(R an..3) "139" = Port/Place.

:

c517.e3055 Code list responsible agency, coded. Allowed codes:
(R an..3) "6" = UN/ECE - United Nations - Economic Commission for
 Europe. (UN-Locodes).

,

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DTM
(M99)

DATE/TIME/PERIOD (grp1)

+

c507.e2005
(M an..3)

Date/Time/Period Qualifier: Allowed qualifiers:

"178" = actual date/time of arrival at senders terminal
"132" = estimated date or date/time of arrival at the
destination terminal
"133" = estimated date or date/time of departure at
senders terminal
"136" = actual date/time of departure at senders
terminal

:

c507.e2380
(R an..35)

Date/Time/Period: Date or date/time in local time when Means
of Transport has arrived/departed or is expected to depart at
the senders terminal or is expected to arrive at the
destination terminal.

:

c507.e2379
(R an..3)

Date/Time/Period Format Qualifier. Allowed qualifiers:

"101" = YYMMDD
"201" = YYMMDDHHMM
"301" = YYMMDDHHMMZZZ ("ZZZ" = Time zone, e.g. "GMT" or other)

,

DRAFT

REF
(C1)

REFERENCE (grp1)

+

c506.e1153 Reference Qualifier: Code "VON" (Loading Voyage number, if
(M an..3) different from the voyage number in the TDT-segment, assigned
by the Operating Carrier or his agent to the voyage of the
train).

:

c506.e1154 Reference Number: The Loading voyage number.
(R an..35)

'

DRAFT

FTX
(X)

FREE TEXT (grp1)

At this moment there is no use for this segment.

DRAFT

Group grp2 : LOC - GID - GDS - FTX - MEA - DIM - TMP - RNG - LOC -
(C9999) RFF - grp3 - grp4

LOC PLACE/LOCATION IDENTIFICATION (grp2)
(M1)

+

e3227 Place/Location Qualifier: Code "147" (Stowage Cell)
(M an..3)

+

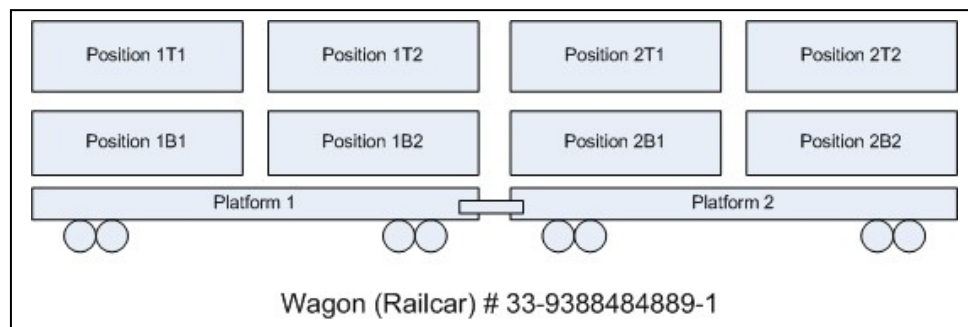
c517.e3225 Place/Location Identification: The sequence number of the
(R an..25) railway wagon in the train. The first wagon in the train,
after the locomotive, gets sequence number '01'. The second
'02', and so on.

+

c519.e3223 Related Location One Identification: The identification
(R an..25) number of the railway wagon in the train. This is the wagon
number as painted on the wagon.

+

c553.e3233 Related Location Two Identification: The actual location of
(O an..25) the container on the railway wagon.
Recommendation: 3 characters, Platform-Top or Bottom (T or B)-
Position. Example: 1B2 means Platform # 1, bottom, location 2.



Note: In case the wagon is empty this group can still be transmitted but this data element must NOT be used. Also the EQD group, where the container details should be given, must not be used in such cases.

Remarks:

The sequence of the wagons in the train and the sequence of the containers on the wagons will always be calculated from the front of the train, i.e. where normally the locomotive is pulling the train.

When the train arrives the first wagon is the wagon directly behind the locomotive. If the locomotive will then be shunted to the back of the train to pull the train from that position to a new destination the sequence of the wagons in the train and the containers on the wagons will be reversed and consequently the first wagon on arrival will be the last wagon on departure.

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GID
(C1)

GOODS ITEM DETAILS (grp2)

+
+

c213.e7224 Number of packages. The number of packages of non-
(0 n..8) containerized cargo.

:

c213.e7065 Type of packages identification. Package type for non-
(0 an..17) containerized cargo.

'

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GDS
(C9)

NATURE OF CARGO (grp2)

+

c703.e7085
(M an..3)

Nature of cargo, coded. Codes to be agreed between partners.

,

Remarks:

If this data is required, we recommend the use of the Harmonized Commodity Description and Coding System code list of cargo nature (HS). This code list is:

"01" = Live animal
"06" = Live plant
"09" = Coffee
"10" = Wheat
"12" = Hay
"22" = Malt
"24" = Tobacco
"41" = Hide
"44" = Timber pack
"48" = Waste paper
"49" = News print
"52" = Cotton
"68" = Stone
"72" = Iron scrap

Further details can be given in the following FTX-segment, if required.

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FTX
(C9)

FREE TEXT (grp2)

+

e4451 Text Subject Qualifier: Allowed qualifiers:
(M an..3) "AAA" = Description of Goods
 "HAN" = Handling Instructions
 "CLR" = Container Loading Remarks
 "SIN" = Special instructions
 "AAI" = General information
 "ZZZ" = Mutually defined use

+

+

+

c108.e4440 Free Text: Description/Instructions/Remarks in plain language
(M an..70) or coded, for specific cargo/equipment. Codes, etc. to be
 agreed between partners. One element with maximum field length
 20 characters, unless agreed otherwise.

.

**N.B. This segment is not generally machine processable. Use of this
 segment must be agreed between partners!**

This segment can be used for the following:

- a. "AAA": Description of goods, plain language or codes, as agreed
 between partners. Maximum 20 characters.

- b. "SIN": Additional information or instructions regarding special
 cargoes, equipment or break-bulk shipments. The following code
 list can be agreed between partners:
 - 1. General:
 "SWS" = Sandwich Stow (Break-bulk)

 - 2. For ventilated containers:
 "CLS" = Close "QUA" = 1/4 open
 "HLF" = 2/4 open "THR" = 3/4 open
 "FLL" = full open
 "050" = volume of flowing 050m³/hour

- c. "HAN": For handling instructions the following codes are recommended:
 "AB" = Away from boiler (eng.room)
 "KC" = Keep cool
 "AF" = Away from foodstuffs

- d. "CLR": Container loading remarks: the following codes are
 recommended:
 - "BD" = Bundled "DM" = Damaged empty
 - "SW" = Sweeper "ER" = Escort required
 - "DR" = Dry reefer "HT" = Hangertainer
 - "DO" = Doors open "MB" = Mailbox
 - "ND" = Door removed

DRAFT

MEA
(M9)

MEASUREMENTS (grp2)

+

e6311 Measurement Application Qualifier: Allowed qualifiers:
(M an..3) "WT" (gross weight)

+

+

c174.e6411 Measure Unit Qualifier: Allowed qualifiers:
(M an..3) "KGM" = kilogram = preferred
 "LBR" = pounds

:

c174.e6314 Measurement Value: The actual tare-weight of the equipment
(R n..18) plus its eventual contents in kilograms or pounds, as
 qualified (no decimals). If the wagon is empty the measurement
 value of '0' should be transmitted.

,

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DIM
(C9)

DIMENSIONS (grp2)

+

e6145 Dimension Qualifier: Allowed qualifiers are:
(M an..3) Code "1" = Gross dimensions (break-bulk)
 Code "5" = Off-standard dims. (over-length front)
 Code "6" = Off-standard dims. (over-length back)
 Code "7" = Off-standard dims. (over-width right)
 Code "8" = Off-standard dims. (over-width left)
 Code "9" = Off-standard dims. (over-height)
 Code "10" = external equipment dimensions (Non-ISO equipment)
 Basically allowed qualifier "1" for break-bulk cargo and from
 "5" to "9" for odd-sized-cargo. However allowed from "5" to
 "9" for break-bulk cargo as additional information, if
 required.

+

c211.e6411 Measure Unit Qualifier: Allowed qualifiers:
(M an..3) "CMT" = Centimeters = preferred
 "INH" = Inches

:

c211.e6168 Length Dimension. Break-bulk length or over-length for
(D n..15) containers, as qualified.

:

c211.e6140 Width Dimension: Break-bulk width or over-width for
(D n..15) containers, as qualified.

:

c211.e6008 Height Dimension: Break-bulk height or over-height for
(D n..15) containers, as qualified.

,

N.B. This segment is only to be transmitted in case break-bulk, odd-sized-cargo and off-standard or non-ISO equipment is involved. In order to identify all relevant information, this segment may be repeated conditionally up to 9 times.

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TMP **TEMPERATURE (grp2)**
(C1)

+

e6245 Temperature qualifier: Allowed qualifiers:
(M an..3) "2" = Transport Temperature

+

c239.e6246 Temperature Setting: Actual temperature according to Reefer
(R n3) List (no deviation allowed) at which the cargo is to be
transported. For field format see remarks below.

:

c239.e6411 Measure Unit Qualifier: Allowed qualifiers:
(R an..3) "CEL" = degrees Celsius = Preferred.
"FAH" = degrees Fahrenheit

,

N.B. In spite of the field length of element c239.e6246 (temperature) is only N3 decimal mark and figure as well as negative values preceded by a sign (-) can be transmitted. Generally numeric data element values shall be regarded as positive unless they are preceded by a minus sign. The decimal mark and minus sign shall, however, not be counted as a character of the value when computing the maximum field length of a data element. Nevertheless, allowance has to be made for the character in transmission and reception.

Tenth degrees have to be separated by a decimal point from full degrees (e.g. 18.5). Temperatures below zero have to be preceded by a minus sign (e.g. "-18.5", "-02.5", "004", "04.5"). The same applies for elements c280.e6162 and c280.6152 in the following RNG-segment. For further explanation please refer to ISO 9735 "EDIFACT Application Level Syntax Rules", point 10 "Representation of numeric data element values".

Remarks about DRY REEFER:

In case of shipment of a so-called "dry reefer" (non-running reefer unit, empty or loaded with ordinary cargo) the TMP-segment must NOT be transmitted. The container type (reefer) can be identified in the EQD-segment by its ISO-size-type code. The absence of the TMP-segment indicates that the unit is not running.

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RNG
(C1)

RANGE DETAILS (grp2)

+

e6167 Range Type Qualifier: Allowed qualifier:
(M an..3) "4" = Quantity range.

+

c280.e6411 Measure Unit Qualifier: Allowed qualifiers:
(M an..3) "CEL" = degrees Celsius
 "FAH" = degrees Fahrenheit

:

c280.e6162 Range Minimum: Minimum temperature according to Reefer List
(R n..18) at which the cargo is to be transported.

:

c280.e6152 Range Maximum: Maximum temperature according to Reefer List
(R n..18) at which the cargo is to be transported.

,

Remarks:

Use of segments TMP and RNG are not depending on each other, i.e. you can transmit either TMP or RNG or both.

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LOC
(C9)

PLACE/LOCATION IDENTIFICATION (grp2)

+

e3227 Place/Location Qualifier: Allowed qualifiers:
(M an..3) "9" = Place/Port of Loading
 "11" = Place/Port of discharge

+

c517.e3225 Place/Location Identification: Namecode of the place, as
(R an..25) qualified. Allowed code lists: UN-Locode.
 Sample codes: JPTYO = Tokyo
 USLAX = Los Angeles
 USOAK = Oakland
 USSEA = Seattle
 USCHI = Chicago

:

c517.e1131 Code list qualifier. Allowed qualifiers:
(O an..3) "139" = Port.

:

c517.e3055 Code list responsible agency, coded. Allowed codes:
(O an..3) "6" = UN/ECE - United Nations - Economic Commission for
 Europe. (UN-Locodes).

+

c519.e3223 Related place/location one identification.
(O an..25) The name code of the Container Terminal at the place of
 destination or the terminal at the place of loading. Terminal
 codes to be used as per the SMDG recommendation.

:

c519.e1131 Code list qualifier. Allowed qualifier:
(O an..3) "ZZZ" = Mutually defined.

'

Remarks:

1. Minimum 2 places to be given: loading place and discharging place.

DRAFT

RFF
(M9)

REFERENCE (grp2)

+

c506.e1153
(M an..3)

Reference Qualifier: Allowed qualifiers:
"BM" = B/L-number.
"BN" = Booking reference number.
"ZZZ" = Mutually defined.

:

c506.e1154
(R an..35)

Reference Number: For Qualifiers "BM", "BN" or "ZZZ": Dummy value "1" or the actual Bill of Lading number resp. Booking Reference number, as agreed.

,

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Group **grp3** : **EQD - EQA - NAD**
(C9)

Note: Although this group may officially be repeated up to 9 times, this group should be transmitted only once.

EQD **EQUIPMENT DETAILS (grp3)**
(M1)

+

e8053 Equipment Qualifier: Allowed qualifiers:
(M an..3) "CN" = Container

+

c237.e8260 Equipment Identification Number:
(R an..17)

1. The container number:
Format: One continuous string with the identification, prefix and number. Examples: SCXU 2387653 must be transmitted as "SCXU2387653", EU 876 must be transmitted as "EU876". The number will be treated as a character string. E.g. alphanumeric check-digits can be transmitted here. If this segment is used the unique equipment identification number must always be transmitted, although this element is not mandatory!

+

c224.e8155 Equipment Size and Type Identification: ISO size-type code of 4 digits (ISO 6346). Leave blank in case of break-bulk.
(D an..4)

For unknown ISO size/type codes the following codes can be agreed between partners:
"9999" = No information at all.
"4999" = Length = 40ft, rest unknown
"2999" = Length = 20ft, rest unknown
"4299" = 40ft 8'6", rest unknown
"2299" = 20ft 8'6", rest unknown
"4099" = 40ft 8'0", rest unknown
"2099" = 20ft 8'0", rest unknown
Other codes to be agreed between partners.

+

+

e8249 Equipment status, coded.
(O an..3)

1: Continental	11: Direct delivery
2: Export	12: Bond transport
3: Import	13: Tranship to other vessel
4: Remain on board	14: Tranship to other pier
5: Shifter	15: Rail road transport
6: Transhipment	16: Road transport
7: Hot delivery	17: Barge transport
8: MLB	18: Temporary stowage
9: MCB (Micro Land Bridge)	19: Urgent unpacking
10: Canada Bound transport	20: Sea & Air

+

e8169 Full/Empty Indicator, coded. Allowed codes:
(D an..3) "5" = Full
 "4" = Empty.
 Leave blank in case of break-bulk.

,

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EQA **EQUIPMENT ATTACHED (grp3)**
(C9)

+

```
e8053                         Equipment Qualifier: Allowed qualifiers:
(M an..3)                    "RG" = Reefer Generator
                              "CN" = Container
                              "CH" = Chassis
```

+

```
c237.e8260                 Equipment Identification Number: The unit number.
(R an..17)
```

'

N.B. This segment may be used for transmission of attached equipment to container or for containers or other equipment stowed within one location with leading container in EQD (Platforms, Collapsible Flats, chassis, etc.).

Example of 5 (**bundled or not**) platforms stowed in one location:

```
LOC+147+0120004::5'
MEA+WT++KGM:3250'
LOC+9+GBFLS'
LOC+11+JPYOK'
RFF+BM:1'
EQD+CN+ABCD 3223899+4361+++4'           The first platform in the EQD-segment
EQA+CN+BCDE 4425399'                    The second in the first EQA...
EQA+CN+CDEF 5534435'                    The third....
EQA+CN+DEFG 6563535'                    The fourth...
EQA+CN+EFGH 7663454'                    The fifth...
NAD+CF+ABC:172'
```

The first unit **ABCD 3223899** identifies the whole set of 5 platforms and is stowed in the lowest position. The others are stowed on top of the first unit (bundled or not). The sequence of the EQA-segments may indicate the sequence of stowage, but this must be agreed between partners.
Note that there is no separate indicator for bundles.

DRAFT

NAD
(C1)

NAME AND ADDRESS (grp3)

+

e3035 Party Qualifier: Allowed code: "CA" (Carrier of the cargo).
(M an..3)

+

c082.e3039 Party Id Identification: Name code of party responsible for
(M an..35) the carriage of the goods and/or equipment.

:

c082.e1131 Code List Qualifier: Qualifier "172" (Carrier Code).
(R an..3)

:

c082.e3055 Code List Responsible Agency, coded. Allowed codes:
(R an..3) "20" = BIC (Bureau International des Containeurs)
"166" = US National Motor Freight Classification Association
(SCAC)
"ZZZ" = Mutually agreed.

,

N.B. Name codes to be agreed with vessel operator, in case of Consortium.

DRAFT

Group **grp4** : **DGS - FTX**
(C999)

DGS **DANGEROUS GOODS (grp4)**
(M1)

+

e8273 Dangerous Goods Regulations: Code "IMD" (IMO IMDG Code)
(R an..3)

+

c205.e8351 Hazard Code Identification: IMDG Code, e.g. "1.2" or "8".
(M an..7)

:

c205.e8078 Hazard Substance/item/page number: The IMDG code page number
(O an..7) (English version).

+

c234.e7124 UNDG Number: UN number of respective dangerous cargo
(O n4) transported (4 digits).

+

c223.e7106 Shipment Flashpoint: the actual flashpoint in degrees Celsius
(O n3) or Fahrenheit. For inserting temperatures below zero or tenth
degrees please refer to remarks under TMP-segment respectively
to ISO 9735. If different dangerous goods with different
flashpoints within one load to be transported, only the lowest
flashpoint should be inserted.

:

c223.e6411 Measure Unit Qualifier: Allowed qualifiers:
(O an..3) "CEL" (degrees Celsius) = Preferred
"FAH" (degrees Fahrenheit)

+

e8339 Packing group, coded: The packing group code of the hazardous
(O an..3) goods.

+

e8364 EMS number: Emergency schedule number.
(O an..6)

+

e8410 MFAG: Medical First Aid Guide number.
(O an..4)

+

+

c235.e8158 Hazard Identification number, upper part.
(O an..4)

:

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c235.e8186 Substance Identification number, lower part.
(O an4)

+

c236.e8246 Dangerous Goods Label Marking (1).
(O an..4) See below for possible use of this data element.

:

c236.e8246 Dangerous Goods Label Marking (2).
(O an..4)

:

c236.e8246 Dangerous Goods Label Marking (3).
(O an..4)

,

N.B. Use of this segment must be agreed between partners.

Possible use of data elements c.236.e8246 (1, 2 and 3):
Code list of dangerous goods sub label:

<u>Subsidiary risk</u>	<u>sub label</u>	<u>code</u>
Explosive	Explosive	1
Flammable gas	Flammable gas	2.1
Non-flammable compressed gas	Non-flammable compressed gas 2.2	
Poison gas	Poison gas	2.3
Flammable liquid	Flammable liquid	3
Flammable solid	Flammable solid	4.1
Spontaneously combustible	Spontaneously combustible	4.2
Dangerous when wet	Dangerous when wet	4.3
Oxidizing agent	Oxidizing agent	5.1
Toxic	Toxic	6.1
Corrosive	Corrosive	8

DRAFT

FTX
(C1)

FREE TEXT (grp4)

+

e4451 Text Subject Qualifier. Allowed qualifiers:
(M an..3) "AAC" = Dangerous goods additional information
 "AAD" = Dangerous goods, technical name, proper shipping name.

+

+

+

c108.e4440(1) Free text: Description of hazard material in plain language.
(M an..70) One element of maximum 70 characters to be given only for the
 description. Transmit the text "NIL", if no description is
 available and one or both of the following data elements must
 be transmitted.

:

c108.e4440(2) Free text: The net weight in kilos of the hazardous material
(O an..70) to be transmitted here.

:

c108.e4440(3) Free text: The DG-reference number as allocated by the
(O an..70) central planner, if known.

,

N.B. Use of this segment must be agreed between partners.

DRAFT

UNT
(M1)

MESSAGE TRAILER

+

e0074 Number of segments in the message, including UNH and UNT
(M n..6) segments, but excluding UNA, UNB and UNZ segments.

+

e0062 Message reference number: This reference must be identical to
(M an..14) the reference in the UNH-segment (e0062).

,

DRAFT

UNZ
(M1)

INTERCHANGE TRAILER

+

e0036 Interchange Control Count: The number of messages in the
(M n..6) interchange.

+

e0020 Interchange Control Reference: This reference must be
(M an..14) identical to the reference in the UNB-segment (e0020).

,

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5. SPECIAL USER GUIDELINES

To follow.

DRAFT

6. EXAMPLE MESSAGE

The segments of the example message are all shown on separate lines. In accordance with the Edifact Syntax Rules, however, no Carriage Returns (CR) and/or Line Feeds (LF) must be transmitted.

Example follows.

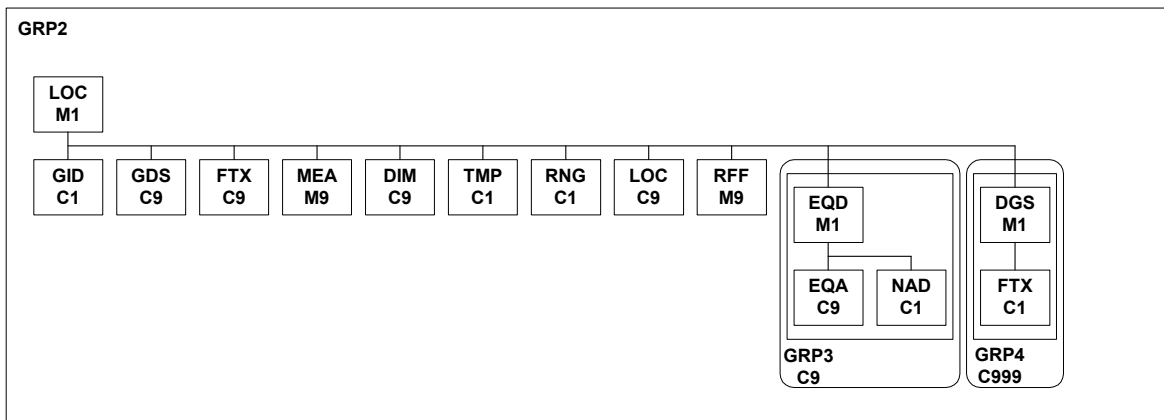
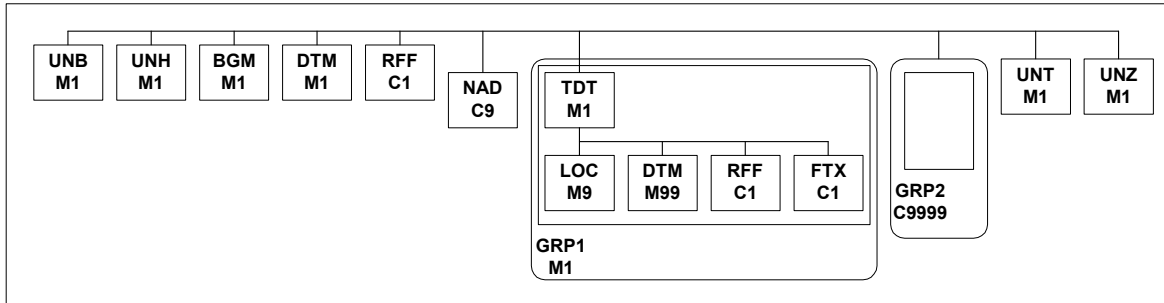
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This page is reserved for the example message

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7. MESSAGE STRUCTURE DIAGRAM

BAPLIE 2.1



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8. SEGMENT DIRECTORY (D.95B)

BGM BEGINNING OF MESSAGE

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

C002	DOCUMENT/MESSAGE NAME	C	
1001	DOCUMENT/MESSAGE NAME, CODED	C	AN..3
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
1000	DOCUMENT/MESSAGE NAME	C	AN..35
1004	DOCUMENT/MESSAGE NUMBER	C	AN..35
1225	MESSAGE FUNCTION, CODED	C	AN..3
4343	RESPONSE TYPE, CODED	C	AN..3

DGS DANGEROUS GOODS

To identify dangerous goods.

8273	DANGEROUS GOODS REGULATIONS, CODED	C	AN..3
C205	HAZARD CODE	C	
8351	HAZARD CODE IDENTIFICATION	M	AN..7
8078	HAZARD SUBSTANCE/ITEM/PAGE NUMBER	C	AN..7
8092	HAZARD CODE VERSION NUMBER	C	AN..10
C234	UNDG INFORMATION	C	
7124	UNDG NUMBER	C	N4
7088	DANGEROUS GOODS FLASHPOINT	C	AN..8
C223	DANGEROUS GOODS SHIPMENT FLASHPOINT	C	
7106	SHIPMENT FLASHPOINT	C	N3
6411	MEASURE UNIT QUALIFIER	C	AN..3
8339	PACKING GROUP, CODED	C	AN..3
8364	EMS NUMBER	C	AN..6
8410	MFAG	C	AN..4
8126	TREM CARD NUMBER	C	AN..10
C235	HAZARD IDENTIFICATION	C	
8158	HAZARD IDENTIFICATION NUMBER, UPPER PART	C	AN..4
8186	SUBSTANCE IDENTIFICATION NUMBER, LOWER PART	C	AN4
C236	DANGEROUS GOODS LABEL	C	
8246	DANGEROUS GOODS LABEL MARKING	C	AN..4
8246	DANGEROUS GOODS LABEL MARKING	C	AN..4
8246	DANGEROUS GOODS LABEL MARKING	C	AN..4
8255	PACKING INSTRUCTION, CODED	C	AN..3
8325	CATEGORY OF MEANS OF TRANSPORT, CODED	C	AN..3
8211	PERMISSION FOR TRANSPORT, CODED	C	AN..3

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DIM DIMENSIONS

To specify dimensions.

6145	DIMENSION QUALIFIER	M	AN..3
C211	DIMENSIONS	M	
6411	MEASURE UNIT QUALIFIER	M	AN..3
6168	LENGTH DIMENSION	C	N..15
6140	WIDTH DIMENSION	C	N..15
6008	HEIGHT DIMENSION	C	N..15

DTM DATE/TIME/PERIOD

To specify date, time, period.

C507	DATE/TIME/PERIOD	M	
2005	DATE/TIME/PERIOD QUALIFIER	M	AN..3
2380	DATE/TIME/PERIOD	C	AN..35
2379	DATE/TIME/PERIOD FORMAT QUALIFIER	C	AN..3

EQA ATTACHED EQUIPMENT

To specify attached or related equipment.

8053	EQUIPMENT QUALIFIER	M	AN..3
C237	EQUIPMENT IDENTIFICATION	C	
8260	EQUIPMENT IDENTIFICATION NUMBER	C	AN..17
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
3207	COUNTRY, CODED	C	AN..3

EQD EQUIPMENT DETAILS

To identify a unit of equipment.

8053	EQUIPMENT QUALIFIER	M	AN..3
C237	EQUIPMENT IDENTIFICATION	C	
8260	EQUIPMENT IDENTIFICATION NUMBER	C	AN..17
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
3207	COUNTRY, CODED	C	AN..3
C224	EQUIPMENT SIZE AND TYPE	C	
8155	EQUIPMENT SIZE AND TYPE IDENTIFICATION	C	AN..10
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
8154	EQUIPMENT SIZE AND TYPE	C	AN..35
8077	SHIPPER SUPPLIED EQUIPMENT INDICATOR, CODED	C	AN..3
8249	EQUIPMENT STATUS, CODED	C	AN..3
8169	FULL/EMPTY INDICATOR, CODED	C	AN..3

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FTX FREE TEXT

To provide free form or coded text information.

4451	TEXT SUBJECT QUALIFIER	M	AN..3
4453	TEXT FUNCTION, CODED	C	AN..3
C107	TEXT REFERENCE	C	
4441	FREE TEXT, CODED	M	AN..3
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
C108	TEXT LITERAL	C	
4440	FREE TEXT	M	AN..70
4440	FREE TEXT	C	AN..70
4440	FREE TEXT	C	AN..70
4440	FREE TEXT	C	AN..70
4440	FREE TEXT	C	AN..70
3453	LANGUAGE, CODED	C	AN..3

GDS NATURE OF CARGO

To indicate the type of cargo as a general classification.

C703	NATURE OF CARGO	C	
7085	NATURE OF CARGO, CODED	M	AN..3
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3

GID GOODS ITEM DETAILS

To indicate totals of a goods item.

1496	GOODS ITEM NUMBER	C	N..5
C213	NUMBER AND TYPE OF PACKAGES	C	
7224	NUMBER OF PACKAGES	M	N..8
7065	TYPE OF PACKAGES IDENTIFICATION	C	AN..17
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
7064	TYPE OF PACKAGES	C	AN..35
C213	NUMBER AND TYPE OF PACKAGES	C	
7224	NUMBER OF PACKAGES	M	N..8
7065	TYPE OF PACKAGES IDENTIFICATION	C	AN..17
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
7064	TYPE OF PACKAGES	C	AN..35
C213	NUMBER AND TYPE OF PACKAGES	C	
7224	NUMBER OF PACKAGES	M	N..8
7065	TYPE OF PACKAGES IDENTIFICATION	C	AN..17
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
7064	TYPE OF PACKAGES	C	AN..35

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LOC PLACE/LOCATION IDENTIFICATION

To identify a country/place/location/related location one
related location two.

3227	PLACE/LOCATION QUALIFIER	M	AN..3
C517	LOCATION IDENTIFICATION	C	
3225	PLACE/LOCATION IDENTIFICATION	C	AN..25
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
3224	PLACE/LOCATION	C	AN..17
C519	RELATED LOCATION ONE IDENTIFICATION	C	
3223	RELATED PLACE/LOCATION ONE IDENTIFICATION	C	AN..25
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
3222	RELATED PLACE/LOCATION ONE	C	AN..70
C553	RELATED LOCATION TWO IDENTIFICATION	C	
3233	RELATED PLACE/LOCATION TWO IDENTIFICATION	C	AN..25
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
3232	RELATED PLACE/LOCATION TWO	C	AN..70
5479	RELATION, CODED	C	AN..3

MEA MEASUREMENTS

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

6311	MEASUREMENT APPLICATION QUALIFIER	M	AN..3
C502	MEASUREMENT DETAILS	C	
6313	MEASUREMENT DIMENSION, CODED	C	AN..3
6321	MEASUREMENT SIGNIFICANCE, CODED	C	AN..3
6155	MEASUREMENT ATTRIBUTE, CODED	C	AN..3
6154	MEASUREMENT ATTRIBUTE	C	AN..70
C174	VALUE/RANGE	C	
6411	MEASURE UNIT QUALIFIER	M	AN..3
6314	MEASUREMENT VALUE	C	N..18
6162	RANGE MINIMUM	C	N..18
6152	RANGE MAXIMUM	C	N..18
6432	SIGNIFICANT DIGITS	C	N..2
7383	SURFACE/LAYER INDICATOR, CODED	C	AN..3

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NAD NAME AND ADDRESS

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

3035	PARTY QUALIFIER	M	AN..3
C082	PARTY IDENTIFICATION DETAILS	C	
3039	PARTY ID IDENTIFICATION	M	AN..35
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
C058	NAME & ADDRESS	C	
3124	NAME AND ADDRESS LINE	M	AN..35
3124	NAME AND ADDRESS LINE	C	AN..35
3124	NAME AND ADDRESS LINE	C	AN..35
3124	NAME AND ADDRESS LINE	C	AN..35
3124	NAME AND ADDRESS LINE	C	AN..35
C080	PARTY NAME	C	
3036	PARTY NAME	M	AN..35
3036	PARTY NAME	C	AN..35
3036	PARTY NAME	C	AN..35
3036	PARTY NAME	C	AN..35
3036	PARTY NAME	C	AN..35
3045	PARTY NAME FORMAT, CODED	C	AN..3
C059	STREET	C	
3042	STREET AND NUMBER/P.O.BOX	M	AN..35
3042	STREET AND NUMBER/P.O.BOX	C	AN..35
3042	STREET AND NUMBER/P.O.BOX	C	AN..35
3164	CITY NAME	C	AN..35
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	AN..9
3251	POSTCODE IDENTIFICATION	C	AN..9
3207	COUNTRY, CODED	C	AN..3

RFF REFERENCE

To specify a reference.

C506	REFERENCE	M	
1153	REFERENCE QUALIFIER	M	AN..3
1154	REFERENCE NUMBER	C	AN..35
1156	LINE NUMBER	C	AN..6
4000	REFERENCE VERSION NUMBER	C	AN..35

RNG RANGE DETAILS

To identify a range.

6167	RANGE TYPE QUALIFIER	M	AN..3
C280	RANGE	C	
6411	MEASURE UNIT QUALIFIER	M	AN..3
6162	RANGE MINIMUM	C	N..18
6152	RANGE MAXIMUM	C	N..18

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TDT DETAILS OF TRANSPORT

To specify mode and means of transport.

8051	TRANSPORT STAGE QUALIFIER	M	AN..3
8028	CONVEYANCE REFERENCE NUMBER	C	AN..17
C220	MODE OF TRANSPORT	C	
8067	MODE OF TRANSPORT, CODED	C	AN..3
8066	MODE OF TRANSPORT	C	AN..17
C228	TRANSPORT MEANS	C	
8179	TYPE OF MEANS OF TRANSPORT IDENTIFICATION	C	AN..8
8178	TYPE OF MEANS OF TRANSPORT	C	AN..17
C040	CARRIER	C	
3127	CARRIER IDENTIFICATION	C	AN..17
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
3128	CARRIER NAME	C	AN..35
8101	TRANSIT DIRECTION, CODED	C	AN..3
C401	EXCESS TRANSPORTATION INFORMATION	C	
8457	EXCESS TRANSPORTATION REASON, CODED	M	AN..3
8459	EXCESS TRANSPORTATION RESPONSIBILITY, CODED	M	AN..3
7130	CUSTOMER AUTHORIZATION NUMBER	C	AN..17
C222	TRANSPORT IDENTIFICATION	C	
8213	ID OF MEANS OF TRANSPORT IDENTIFICATION	C	AN..9
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
8212	ID OF MEANS OF TRANSPORT	C	AN..35
8453	NATIONALITY OF MEANS OF TRANSPORT, CODED	C	AN..3
8281	TRANSPORT OWNERSHIP, CODED	C	AN..3

TMP TEMPERATURE

To specify the temperature range and/or setting.

6245	TEMPERATURE QUALIFIER	M	AN..3
C239	TEMPERATURE SETTING	C	
6246	TEMPERATURE SETTING	C	N3
6411	MEASURE UNIT QUALIFIER	C	AN..3

DRAFT

UNB INTERCHANGE HEADER

To start, identify and specify an interchange.

S001	SYNTAX IDENTIFIER	M	
0001	SYNTAX IDENTIFIER	M	A4
0002	SYNTAX VERSION NUMBER	M	N1
S002	INTERCHANGE SENDER	M	
0004	SENDER IDENTIFICATION	M	AN..35
0007	PARTNER IDENTIFICATION CODE QUALIFIER	C	AN..4
0008	ADDRESS FOR REVERSE ROUTING	C	AN..14
S003	INTERCHANGE RECIPIENT	M	
0010	RECIPIENT IDENTIFICATION	M	AN..35
0007	PARTNER IDENTIFICATION CODE QUALIFIER	C	AN..4
0014	ROUTING ADDRESS	C	AN..14
S004	DATE/TIME OF PREPARATION	M	
0017	DATE OF PREPARATION	M	N6
0019	TIME OF PREPARATION	M	N4
0020	INTERCHANGE CONTROL REFERENCE	M	AN..14
S005	RECIPIENTS REFERENCE PASSWORD	C	
0022	RECIPIENT'S REFERENCE/PASSWORD	M	AN..14
0025	RECIPIENT'S REFERENCE/PASSWORD QUALIFIER	C	AN2
0026	APPLICATION REFERENCE	C	AN..14
0029	PROCESSING PRIORITY CODE	C	A1
0031	ACKNOWLEDGEMENT REQUEST	C	N1
0032	COMMUNICATIONS AGREEMENT ID	C	AN..35
0035	TEST INDICATOR	C	N1

UNH MESSAGE HEADER

To head, identify and specify a message.

0062	MESSAGE REFERENCE NUMBER	M	AN..14
S009	MESSAGE IDENTIFIER	M	
0065	MESSAGE TYPE IDENTIFIER	M	AN..6
0052	MESSAGE TYPE VERSION NUMBER	M	AN..3
0054	MESSAGE TYPE RELEASE NUMBER	M	AN..3
0051	CONTROLLING AGENCY	M	AN..2
0057	ASSOCIATION ASSIGNED CODE	C	AN..6
0068	COMMON ACCESS REFERENCE	C	AN..35
S010	STATUS OF THE TRANSFER	C	
0070	SEQUENCE MESSAGE TRANSFER NUMBER	M	N..2
0073	FIRST/LAST SEQUENCE MESSAGE TRANSFER INDICATION	C	A1

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UNT MESSAGE TRAILER

To end and check the completeness of a message.

0074	NUMBER OF SEGMENTS IN A MESSAGE	M	N..6
0062	MESSAGE REFERENCE NUMBER	M	AN..14

UNZ INTERCHANGE TRAILER

To end and check the completeness of an interchange.

0036	INTERCHANGE CONTROL COUNT	M	N..6
0020	INTERCHANGE CONTROL REFERENCE	M	AN..14