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

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

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

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, e.g. 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.

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

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

UNB
(M1)

+ s001.e0001 Syntax Identifier: Always "UNOA", indicating the use
   of level "A" character set.

  
+ s001.e0002 Syntax Version Number: Always "2".

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

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

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

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

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

,
UNH MESSAGE HEADER

<table>
<thead>
<tr>
<th>Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>e0062</td>
<td>Message reference number: A reference allocated by the sender, uniquely identifying a message. This reference must also be transmitted in the Message Trailer segment UNT.</td>
</tr>
<tr>
<td>s009.e0065</td>
<td>Message Type Identifier: The name of the UNSM or standard EDIFACT message. In this case always &quot;BAPLIE&quot;.</td>
</tr>
<tr>
<td>s009.e0052</td>
<td>Message Type Version Number: The version number of the message. See EDIFACT documentation. At this moment the version is &quot;D&quot;.</td>
</tr>
<tr>
<td>s009.e0054</td>
<td>Message Type Release Number: The release number of the message. See EDIFACT documentation. At this moment the release number is &quot;95B&quot;.</td>
</tr>
<tr>
<td>s009.e0051</td>
<td>Controlling Agency: The code of the controlling agency. For this message the controlling agency is &quot;UN&quot;.</td>
</tr>
<tr>
<td>s009.e0057</td>
<td>Association Assigned Code: The applicable SMDG User Manual version number. For this manual always: &quot;SMDG10&quot;. This will enable the recipient of the message to translate the message correctly, even if older versions are still in use.</td>
</tr>
</tbody>
</table>
BEGINNING OF MESSAGE

M1

+ 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 individually, taken from the application.

+ e1225 Message Function, Coded: Code indicating the function of the 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.
**DTM**

Date/Time/Period

(M1)

+  

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

:  

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

:  

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)

."
This segment not to be used.
NAD  NAME AND ADDRESS

(X)

This segment is not to be used.
Group \texttt{grp1} : TDT - LOC - DTM - RFF - FTX.

\textbf{TDT} \hfill DETAILS OF TRANSPORT (grp1)

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

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

\texttt{c040.e3127} (R an..17)
+ Carrier Identification: Carrier name, coded. Codes to be agreed.

\texttt{c040.e1131} (R an..3)
+ Code List Qualifier: Code "172" (Carrier Code)

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

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

\texttt{c222.e1131} (R an..3)
+ Code List Qualifier: Allowed qualifiers: "ZZZ" = Mutually defined.

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

\texttt{c222.e8212} (R an..35)
+ Id. of means of transport: Block train name, if required.

\texttt{c222.e8453} (O an..3)
+ Nationality of Means of Transport: Coded according to UN-country code (ISO 3166).
LOC (M9)

+ e3227 (M an..3) Place/Location Qualifier: Allowed qualifiers:

"5" = Place of Departure
"8" = Place of Destination

+ c517.e3225 (R an..25) Place/Location Identification: Location code of the actual 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 (R an..3) Code list qualifier. Allowed qualifiers:

"139" = Port/Place.

: c517.e3055 (R an..3) Code list responsible agency, coded. Allowed codes:

"6" = UN/ECE - United Nations - Economic Commission for Europe. (UN-Locodes).
<table>
<thead>
<tr>
<th>DTM</th>
<th>DATE/TIME/PERIOD (grp1)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DATE/TIME/PERIOD Qualifier: Allowed qualifiers:</td>
</tr>
<tr>
<td></td>
<td>&quot;178&quot; = actual date/time of arrival at senders terminal</td>
</tr>
<tr>
<td></td>
<td>&quot;132&quot; = estimated date or date/time of arrival at the destination terminal</td>
</tr>
<tr>
<td></td>
<td>&quot;133&quot; = estimated date or date/time of departure at senders terminal</td>
</tr>
<tr>
<td></td>
<td>&quot;136&quot; = actual date/time of departure at senders terminal</td>
</tr>
<tr>
<td></td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td>Date/Time/Period Format Qualifier. Allowed qualifiers:</td>
</tr>
<tr>
<td></td>
<td>&quot;101&quot; = YYMMDD</td>
</tr>
<tr>
<td></td>
<td>&quot;201&quot; = YYMMDDHHMM</td>
</tr>
<tr>
<td></td>
<td>&quot;301&quot; = YYMMDDHHMMZZZ(&quot;ZZZ&quot; = Time zone, e.g. &quot;GMT&quot; or other)</td>
</tr>
</tbody>
</table>
RFF
(C1)
+

C506.e1153
(M an..3)

Reference Qualifier: Code "VON" (Loading Voyage number, if 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
(R an..35)

Reference Number: The Loading voyage number.
FTX  FREE TEXT (grp1)
(X)

At this moment there is no use for this segment.
Group grp2 : LOC - GID - GDS - FTX - MEA - DIM - TMP - RNG - LOC - RFF - grp3 - grp4

PLACE/LOCATION IDENTIFICATION (grp2)

LOC (M1)

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

+ c517.e3225 (R an..25) Place/Location Identification: The sequence number of the 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 (R an..25) Related Location One Identification: The identification number of the railway wagon in the train. This is the wagon number as painted on the wagon.

+ c553.e3233 (O an..25) Related Location Two Identification: The actual location of 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.
### GOODS ITEM DETAILS (grp2)

<table>
<thead>
<tr>
<th>GID</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>(C1)</td>
<td></td>
</tr>
<tr>
<td>+</td>
<td></td>
</tr>
<tr>
<td>+</td>
<td></td>
</tr>
<tr>
<td>c213.e7224</td>
<td>Number of packages. The number of packages of non-containerized cargo.</td>
</tr>
<tr>
<td>(O n..8)</td>
<td></td>
</tr>
<tr>
<td>:</td>
<td></td>
</tr>
<tr>
<td>c213.e7065</td>
<td>Type of packages identification. Package type for non-containerized cargo.</td>
</tr>
<tr>
<td>(O an..17)</td>
<td></td>
</tr>
</tbody>
</table>
GDS (C9)
+

c703.e7085 (M an..3)

NATURE OF CARGO (grp2)

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.
FTX (C9)

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

+ +

+ c108.e4440 (M an..70)
    Free Text: Description/Instructions/Remarks in plain language
    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
      "HLF" = 2/4 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
      "SK" = Sweeper
      "DR" = Dry reefer
      "DO" = Doors open
      "ND" = Door removed
      "DM" = Damaged empty
      "ER" = Escort required
      "HT" = Hangertainer
      "MB" = Mailbox

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
  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.
DIMENSIONS (grp2)

Dimension Qualifier: Allowed qualifiers are:

- 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.

Measure Unit Qualifier: Allowed qualifiers:

- "CMT" = Centimeters = preferred
- "INH" = Inches

Length Dimension. Break-bulk length or over-length for containers, as qualified.

Width Dimension: Break-bulk width or over-width for containers, as qualified.

Height Dimension: Break-bulk height or over-height for 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.
TMP

TEMPERATURE (grp2)

+ 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.
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>e6167</td>
<td>Range Type Qualifier: Allowed qualifier: &quot;4&quot; = Quantity range.</td>
</tr>
<tr>
<td>c280.e6411</td>
<td>Measure Unit Qualifier: Allowed qualifiers:</td>
</tr>
<tr>
<td></td>
<td>&quot;CEL&quot; = degrees Celsius</td>
</tr>
<tr>
<td></td>
<td>&quot;FAH&quot; = degrees Fahrenheit</td>
</tr>
<tr>
<td>c280.e6162</td>
<td>Range Minimum: Minimum temperature according to Reefer List at which the cargo is to be transported.</td>
</tr>
<tr>
<td>c280.e6152</td>
<td>Range Maximum: Maximum temperature according to Reefer List at which the cargo is to be transported.</td>
</tr>
</tbody>
</table>

**Remarks:**
Use of segments TMP and RNG are not depending on each other, i.e. you can transmit either TMP or RNG or both.
LOC (C9)
+

Place/Location Qualifier: Allowed qualifiers:

"9" = Place/Port of Loading
"11" = Place/Port of discharge
+

c517.e3225 Place/Location Identification: Namecode of the place, as 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:
"139" = Port.
:

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

c519.e3223 Related place/location one identification.
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:
"ZZZ" = Mutually defined.
:

Remarks:

1. Minimum 2 places to be given: loading place and discharging place.
RFF
(M9)
+

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.

,
Group grp3 :  
(C9)

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

EIQD  
(M1)

Equipment Qualifier: Allowed qualifiers:
"CN" = Container

Equipment Identification Number:
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!

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.

Equipment status, coded.
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

Full/Empty Indicator, coded. Allowed codes:
"5" = Full
"4" = Empty.
Leave blank in case of break-bulk.
EQA EQUIPMENT ATTACHED (grp3)

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.
NAD
NAME AND ADDRESS (grp3)
(C1)
+

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

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

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

c082.e3055
(R an..3)
Code List Responsible Agency, coded. Allowed codes:
"20" = BIC (Bureau International des Conteneurs)
"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.
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)
c235.e8186 Substance Identification number, lower part.

+ 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).

; c236.e8246 Dangerous Goods Label Marking (3).

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

Possible use of data elements c.236.e8246 (1, 2 and 3):

<table>
<thead>
<tr>
<th>Subsidiary risk</th>
<th>sub label</th>
<th>code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosive</td>
<td>Explosive</td>
<td>1</td>
</tr>
<tr>
<td>Flammable gas</td>
<td>Flammable gas</td>
<td>2.1</td>
</tr>
<tr>
<td>Non-flammable compressed gas</td>
<td>Non-flammable</td>
<td></td>
</tr>
<tr>
<td>Poisson gas</td>
<td>Poisson gas</td>
<td>2.3</td>
</tr>
<tr>
<td>Flammable liquid</td>
<td>Flammable liquid</td>
<td>3</td>
</tr>
<tr>
<td>Flammable solid</td>
<td>Flammable solid</td>
<td>4.1</td>
</tr>
<tr>
<td>Spontaneously combustible</td>
<td>Spontaneously</td>
<td></td>
</tr>
<tr>
<td>Dangerous when wet</td>
<td>Dangerous when wet</td>
<td>4.3</td>
</tr>
<tr>
<td>Oxidizing agent</td>
<td>Oxidizing agent</td>
<td>5.1</td>
</tr>
<tr>
<td>Toxic</td>
<td>Toxic</td>
<td>6.1</td>
</tr>
<tr>
<td>Corrosive</td>
<td>Corrosive</td>
<td>8</td>
</tr>
</tbody>
</table>

©SMDG-12/2008-0.1
FREE TEXT (grp4)

\[\text{FTX} \quad \text{(C1)}\]

\[\text{e4451} \quad \text{(M an..3)}\]

Text Subject Qualifier. Allowed qualifiers:

"AAC" = Dangerous goods additional information

"AAD" = Dangerous goods, technical name, proper shipping name.

\[\text{c108.e4440(1)} \quad \text{(M an..70)}\]

Free text: Description of hazard material in plain language.

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.

\[\text{c108.e4440(2)} \quad \text{(O an..70)}\]

Free text: The net weight in kilos of the hazardous material to be transmitted here.

\[\text{c108.e4440(3)} \quad \text{(O an..70)}\]

Free text: The DG-reference number as allocated by the central planner, if known.

\[\text{N.B.} \quad \text{Use of this segment must be agreed between partners.}\]
UNT MESSAGE TRAILER

+ e0074  Number of segments in the message, including UNH and UNT segments, but excluding UNA, UNB and UNZ segments.

+ e0062  Message reference number: This reference must be identical to the reference in the UNH-segment (e0062).
UNZ

INTERCHANGE TRAILER

+ e0036 (M n..6)

Interchange Control Count: The number of messages in the interchange.

+ e0020 (M an..14)

Interchange Control Reference: This reference must be identical to the reference in the UNB-segment (e0020).
This page is left blank intentionally.
5. SPECIAL USER GUIDELINES

To follow.
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.
This page is reserved for the example message
7. MESSAGE STRUCTURE DIAGRAM

BAPLIE 2.1

[Diagrams of message structure]

GRP2

[Diagrams of message structure]
This page is left blank intentionally.
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
- **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
### DIM DIMENSIONS

To specify dimensions.

- **6145 DIMENSION QUALIFIER**
  - M AN..3
- **C211 DIMENSIONS**
  - M AN..3
- **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 AN..3
- **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 AN..3
- **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 AN..3
- **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 AN..3
- **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
### FTX FREE TEXT

To provide free form or coded text information.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>M</th>
<th>AN</th>
</tr>
</thead>
<tbody>
<tr>
<td>4451</td>
<td>TEXT SUBJECT QUALIFIER</td>
<td></td>
<td>.3</td>
</tr>
<tr>
<td>4453</td>
<td>TEXT FUNCTION, CODED</td>
<td></td>
<td>.3</td>
</tr>
<tr>
<td>4441</td>
<td>FREE TEXT, CODED</td>
<td>M</td>
<td>.3</td>
</tr>
<tr>
<td>1131</td>
<td>CODE LIST QUALIFIER</td>
<td>C</td>
<td>.3</td>
</tr>
<tr>
<td>3055</td>
<td>CODE LIST RESPONSIBLE AGENCY, CODED</td>
<td>C</td>
<td>.3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>C</th>
<th>AN</th>
</tr>
</thead>
<tbody>
<tr>
<td>3453</td>
<td>LANGUAGE, CODED</td>
<td></td>
<td>.3</td>
</tr>
</tbody>
</table>

### GDS NATURE OF CARGO

To indicate the type of cargo as a general classification.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>M</th>
<th>AN</th>
</tr>
</thead>
<tbody>
<tr>
<td>7085</td>
<td>NATURE OF CARGO, CODED</td>
<td>M</td>
<td>.3</td>
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<tr>
<td>1131</td>
<td>CODE LIST QUALIFIER</td>
<td>C</td>
<td>.3</td>
</tr>
<tr>
<td>3055</td>
<td>CODE LIST RESPONSIBLE AGENCY, CODED</td>
<td>C</td>
<td>.3</td>
</tr>
</tbody>
</table>

### GID GOODS ITEM DETAILS

To indicate totals of a goods item.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>C</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>1496</td>
<td>GOODS ITEM NUMBER</td>
<td></td>
<td>.5</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>M</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>7224</td>
<td>NUMBER OF PACKAGES</td>
<td></td>
<td>.8</td>
</tr>
<tr>
<td>7065</td>
<td>TYPE OF PACKAGES IDENTIFICATION</td>
<td>C</td>
<td>.17</td>
</tr>
<tr>
<td>1131</td>
<td>CODE LIST QUALIFIER</td>
<td>C</td>
<td>.3</td>
</tr>
<tr>
<td>3055</td>
<td>CODE LIST RESPONSIBLE AGENCY, CODED</td>
<td>C</td>
<td>.3</td>
</tr>
<tr>
<td>7064</td>
<td>TYPE OF PACKAGES</td>
<td>C</td>
<td>.35</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
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<th>N</th>
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</tr>
<tr>
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<td>C</td>
<td>.3</td>
</tr>
<tr>
<td>3055</td>
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<td>.3</td>
</tr>
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<td>7064</td>
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<td>C</td>
<td>.35</td>
</tr>
</tbody>
</table>

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<th>M</th>
<th>N</th>
</tr>
</thead>
<tbody>
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<td>NUMBER OF PACKAGES</td>
<td></td>
<td>.8</td>
</tr>
<tr>
<td>7065</td>
<td>TYPE OF PACKAGES IDENTIFICATION</td>
<td>C</td>
<td>.17</td>
</tr>
<tr>
<td>1131</td>
<td>CODE LIST QUALIFIER</td>
<td>C</td>
<td>.3</td>
</tr>
<tr>
<td>3055</td>
<td>CODE LIST RESPONSIBLE AGENCY, CODED</td>
<td>C</td>
<td>.3</td>
</tr>
<tr>
<td>7064</td>
<td>TYPE OF PACKAGES</td>
<td>C</td>
<td>.35</td>
</tr>
</tbody>
</table>
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
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

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
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
**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

- **S005** INTERCHANGE CONTROL REFERENCE M AN..14

- **S006** RECIPIENTS REFERENCE PASSWORD C

- **S009** INTERCHANGE CONTROL REFERENCE M
  - **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
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