SMDG

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EDIFACT BAYPLAN "BAPLIE"

USER MANUAL

(IMPLEMENTATION GUIDE)

CONTENTS

0. INTRODUCTION

The instructions are valid for the "UN/EDIFACT UNITED NATIONS STANDARD MESSAGE (UNSM) BAYPLAN/STOWAGEPLAN OCCUPIED AND EMPTY LOCATIONS MESSAGE" (BAPLIE), version 1, release 911, status 2, date 93-03, as designed by the SMDG (User Group for Shipping Lines and Container Terminals).

The instructions in this manual are valid for Full Container Vessels, Container Feeder Vessels and Roll on/Roll off (Ro/Ro) Vessels.

This manual is intended for use by shipowners, tonnage centers, terminal operators, shipping lines, etc.

In version 1.4 (released 0692) some errors were corrected, descriptions of the UNT and UNZ segments and examples for breakbulk shipments were added.

In version 1.5 (released 05/93) again some errors were corrected and the following important changes were made to the document (important changes and additions are now indicated in this document by shading):

- the use of the NAD-segment (page 6) is no longer recommended
- DTM-segment added with "estimated date/time of arrival at the port of loading" (page 9)
- Ro/Ro possibilities were added to LOC-segment (page 12) and to the EQD-segment (page 22)
- The use of the GDS-segment for cargo-codes was changed

Furthermore now a new indicator will be introduced in this manual, indicating "M" for mandatory use, if the data element is not mandatory in the EDIFACT segment description, and SMDG members agreed otherwise. If a data element is mandatory in the official EDIFACT segment directory (TDED), then this element is always mandatory, even if it is not indicated as such in this manual. If the status of the element in the official EDIFACT segment directory (TDED) is "C" (Conditional) and this document marks the element with "M", then the SMDG members agreed to make this element mandatory for this message only.

This "User Manual" (or "Implementation Guide") was developed by the active members of the **User Group for Shipping Lines and Container Terminals SMDG** in 1991. The **SMDG** is a "Pan European User Group" under the auspices of the **Western European Edifact Board (WEEB)**.

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1. GENERAL

The EDIFACT Bayplan "BAPLIE" will be used to transmit information about ALL occupied places onboard of a vessel to interested parties like the shipowner and the terminal operator in the next port of call. Although the message is also suitable to transmit information about empty places this feature will not be used.

In general only complete messages "BAPLIE" have to be transmitted, whereas only occupied stowage locations, either by equipment or special cargo (breakbulk), should be mentioned.

The Principle

The message will be transmitted to the terminal operator in the next port of call, who will then be able to extract the information relevant to his operation from the message.

Subsequently the information about equipment discharged from the vessel 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 sailing of the vessel he will then transmit the updated bayplan-message to the shipowner, tonnage center and the terminal operator in the next port of call, as per the instructions of the shipowner. The message can be transmitted to the vessel (i.e. via modem or by floppy disk) eliminating the use of the paper "master" bayplan.

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).

If composites or data-elements are repeated within a segment, respectively a composite, the occurances 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 occurance of the composite or data-element within the segment. If its occurance 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 occurances are described), then the remaining occurances may NOT be used, unless agreed otherwise between partners.

Data elements within the segments that are not mentioned here will not be used, resp. should not contain important information, since they will probably not be seen by the recipient, unless agreed otherwise. The contents of such data elements, however, should remain intact as it must be forwarded to the next port of call, unless it concerns a piece of equipment which was discharged.

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 specificly made compulsory by this manual (Indicator "M"), 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 Segment Directory of 91.1 may be omitted.

If not otherwise mentioned, rules, regulations and recommendations of the Bayplan Message Documentation, version 1, release 911 of 91-09 are applicable.

Codes and qualifiers used, are according to EDIFACT Directory Code List (dd.90/12/22), respectively EDIFACT Database Version 90.

2. DESCRIPTION

UNB M INTERCHANGE HEADER

+

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

:

s001.e0002 M Syntax Version Number: Always "1".

+

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

+

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

+

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

:

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

+

e0020 M 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.

+
+
+
+
+

e0032 M Communications Agreement Id: A code identifying the shipping line of the vessel (BIC). N.B. This code enables proper routing of the message by the recipient, even if the sender is not the shipping line (e.g. container terminal in the previous port).

'

UNH M MESSAGE HEADER

+

e0062 M 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.

+

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

:

s009.e0052 M Message Type Version Number: The version number of the message. See EDIFACT documentation. At this moment the version is "1".

:

s009.e0054 M Message Type Release Number: The release number of the message. See EDIFACT documentation. At this moment the release number is "911".

:

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

:

s009.e0057 M Association Assigned Code: The SMDG User Manual version number. For this manual always: "SMDG15". This will enable the recipient of the message to translate the message correctly, even if older versions are still in use.

'

BGM **M** **BEGINNING OF MESSAGE**

+
+

e1004 M Document/Message Number: Reference allocated by the sender individually, taken from the application.

+

e1225 M Message Function, Coded: Code indicating the function of the message. Acceptable codes are:

"2" = Addition.	Message to add information to previous one.
"4" = Change.	Message containing changes.
"5" = Replace.	Message replacing a previous one.
"9" = Original.	First or basic message.
"22" = Final.	Final message in a related series of messages.

'

DTM M DATE/TIME/PERIOD

+

c507.e2005M Date/Time/Period Qualifier: Code "137" (Document/Message Date/Time)

:

c507.e2782M Date/Time/Period: Date and time of compiling the message.

:

c507.e2781M Date/Time/Period Format Qualifier: Code "201" (YYMMDDHHMM)

'

RFF **REFERENCE**

This segment not to be used.

NAD **NAME AND ADDRESS**

This segment is not to be used.

Group **grp1** : TDT - LOC - DTM - RFF - FTX.

N.B. This group to be transmitted only once.

TDT	**M**	**DETAILS OF TRANSPORT (grp1)**
+		
e8051	M	Transport Stage Qualifier: Code "20" (Main Carriage)
+		
e8028	M	Conveyance Reference Number: Discharge voyage number as assigned by the Carrier or his agent.
+		
+		
c222.e8213		Id of Means of Transport Identification: Call sign of means of transport being internationally agreed, without UN-countrycode.
:		
c222.e1131		Code List Qualifier: Code "103" (Call Sign)
:		
:		
c222.e8212		Id. of means of transport: Full name of the vessel.
:		
c222.e8453		Nationality of Means of Transport: Coded according to UN-countrycode (ISO 3166).
+		
+		
c040.e3127	M	Carrier Identification: Carrier name, coded, according to "Bureau International des Containeurs" (First three digits)
:		
c040.e1131	M	Code List Qualifier: Code "172" (Carrier Code)
:		
c040.e3055	M	Code List Responsible Agency, coded: Code "20" (BIC).
'		

LOC (1) M PLACE/LOCATION IDENTIFICATION (grp1)

+

e3227 M Place/Location Qualifier: Code "5" (Place of Departure)

+

c517.e3225M Place/Location Identification: UN-Locode of the place of departure. (Normally the sender of the message).

'

LOC (2) PLACE/LOCATION IDENTIFICATION (grp1)

+

e3227 Place/Location Qualifier: Code "61" (Next port of call)

+

c517.e3225 Place/Location Identification: UN-Locode of the next port of call (Normally the recipient of the message).

'

DTM (1) M DATE/TIME/PERIOD (grp1)

+

c507.e2005M Date/Time/Period Qualifier: Allowed qualifiers "178" (actual date/time of arrival) or "132" (estimated date/time of arrival). Arrival date/times always at senders port.

:

c507.e2782M Date/Time/Period: Date and time in local time when MoT has arrived or is expected to arrive at the previous port of call.

:

c507.e2781M Date/Time/Period Format Qualifier: Code "201" (YYMMDDHHMM)

'

DTM (2) DATE/TIME/PERIOD (grp1)

+

c507.e2005 Date/Time/Period Qualifier: Allowed qualifiers "133" (estimated date/time of departure) or "136" (departure date/time). Departure times always at senders port.

:

c507.e2782 Date/Time/Period: Date and time in local time when MoT had departed or is expected to depart from the previous port of call.

:

c507.e2781 Date/Time/Period Format Qualifier: Code "201" (YYMMDDHHMM)

'

DTM (3) **DATE/TIME/PERIOD (grp1)**

+

c507.e2005 Date/Time/Period Qualifier: Allowed qualifier "132" (estimated date/time of arrival).

:

c507.e2782 Date/Time/Period: Estimated arrival date at the next port of call. Time is not required.

:

c507.e2781 Date/Time/Period Format Qualifier: Code "101" (YYMMDD).

'

RFF **REFERENCE (grp1)**

+

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

:

c506.e1154 Reference Number: The Loading voyage number.

'

FTX **FREE TEXT (grp1)**

At this moment there is no use for this segment.

Group **grp2** : LOC - GID - GDS - FTX - MEA - DIM - TMP - RNG - LOC - RFF - grp3 - grp4

LOC **M** **PLACE/LOCATION IDENTIFICATION (grp2)**

+

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

+

c517.e3225M Place/Location Identification: The actual location of the equipment or cargo on the vessel. The following formats are allowed:
1. ISO-format
2. Feeder-format
3. Ro/Ro-format

ISO-format: Bay/Row/Tier (BBBRRTT). If Baynumber is less than 3 characters it must be filled with leading zeroes, e.g. "0340210".

Feeder-format: Hatch/Tier/Row (HTR).

Ro/Ro-format: The ro/ro pad-number.

:
:

c517.e3055M Code List Responsible Agency, coded: To indicate which format is used. Valid codes are:
"5" (ISO-format)
"ZZZ" (Feeder- or Ro/Ro-format).

'

GID **GOODS ITEM DETAILS (grp2)**

Not to be processed.

GDS	GOODS DESCRIPTION (grp2)
+	
c212.e7022	Item number: Alphanumeric commodity code.
:	
c212.e7023	Item number, coded: Alphanumeric commodity identification code.
:	
c212.e1131	Code List Qualifier: Code "ZZZ" (Mutually agreed).
+	
c703.e7703	Nature of cargo, coded. Codes to be agreed between partners.
'	

FTX **FREE TEXT (grp2)**

+

e4451 Text Subject Qualifier: Allowed qualifiers "AAA" (Description of Goods), "HAN" (Handling Instructions), "CLR" (Container Loading Remarks)

+
+
+

c108.e4440 Free Text: Description/Instructions/Remarks in plain language, for specific cargo/ equipment.

'

Remarks: This segment only to be used to transmit additional information or instructions regarding special cargoes (e.g. obnoxious or marine polutants if not listed in the IMDG code list), equipment or breakbulk shipments.

MEA M **MEASUREMENTS (grp2)**

+

e6311 M Measurement Application Qualifier: Code "WT" (grossweight)

+
+

c174.e6411 M Measure Unit Qualifier: Code "KGM" (kilogram)

:

c174.e6314 M Measurement Value: The actual grossweight of the equipment plus its eventual contents in kilograms.

'

DIM		**DIMENSIONS (grp2)**
+		
e6705	M	Dimension Qualifier: The actual qualifier to be used depends on whether breakbulk or odd-sized-cargo is involved: Code "1" = Gross dimensions (breakbulk) Code "5" = Off-standard dims. front Code "6" = Off-standard dims. back Code "7" = Off-standard dims. right Code "8" = Off-standard dims. left Code "9" = Off-standard dims. general (overheight)
+		
c211.e6411	M	Measure Unit Qualifier: Code "CM" (Centimeters)
:		
c211.e6168		Length Dimension: Total or overlength only for containers, as qualified.
:		
c211.e6140		Width Dimension: Total or overwidth only for containers, as qualified.
:		
c211.e6008		Heigth Dimension: Total or overheight only for containers, as qualified.
'		

Remarks: This segment is only to be transmitted in case breakbulk, odd-sized-cargo and off-standard equipment is involved. In order to identify all relevant information, this segment may be repeated conditionally upto 9 times.

TMP **TEMPERATURE (grp2)**

+

e6711 M Temperature qualifier: Allowed qualifiers "1" (Storage Temperature) and "2" (Transport Temperature).

+

c239.e6712M Temperature Setting: Actual temperature according to Reefer List (no deviation allowed) at which the cargo has to be stored or is to be transported.

:

c239.e6411M Measure Unit Qualifier: Code "CEL" (degrees Celsius), "FAH" (degrees Fahrenheit)

'

N.B. Inspite of the field length of element c239.e6712 (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). 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".

RNG	**RANGE DETAILS (grp2)**
+	
e6727 M	Range Type Qualifier: No particular code identified presently. Use "ZZZ" for time being (mandatory element).
+	
c280.e6411 M	Measure Unit Qualifier: Code "CEL" (degrees Celsius), "FAH" (degrees Fahrenheit).
:	
c280.e6162	Range Minimum: Minimum temperature according to Reefer List at which the cargo is to be transported or stored.
:	
c280.e6152	Range Maximum: Maximum temperature according to Reefer List at which the cargo is to be transported or stored.
'	

N.B. Range minimum and maximum is only to be filled with different values in case it is allowed by the shipping line, respectively the customer owning the goods. Otherwise e6162 and e6152 have to show the same value. No deviation allowed.

LOC (1) M PLACE/LOCATION IDENTIFICATION (grp2)

+

e3227 M Place/Location Qualifier: Code "6" (Port of Loading).

+

c517.e3225 M Place/Location Identification: UN-Locode of 5 characters according to UN Recommendation No. 16 of respective port/place qualified.

'

LOC (2) M PLACE/LOCATION IDENTIFICATION (grp2)

+

e3227 M Place/Location Qualifier: Code "12" (Port of Discharge) or "97" (Optional port of discharge).

+

c517.e3225 M Place/Location Identification: UN-Locode of 5 characters according to UN Recommendation No. 16 of respective port/place qualified. Leave blank in case of unknown Optional Port of Discharge.

'

LOC (3) PLACE/LOCATION IDENTIFICATION (grp2)

+

e3227 M Place/Location Qualifier: Allowed qualifiers are:
"83" (Place of delivery), "63" (First optional Port of Discharge), "65" (Second optional Port of Discharge), "69" (Third optional Port of discharge), "71" (Fourth optional Port of discharge), "74" (Fifth optional port of discharge).

+

c517.e3225 M Place/Location Identification: UN-Locode of 5 characters according to UN Recommendation No. 16 of respective port/place qualified.

'

RFF **M** **REFERENCE (grp2)**

+

c506.e1153M Reference Qualifier: Code "BM" (B/L-number) as dummy. Code "ET" (Excess Transportation Number) to identify leading Stowage Cell onboard vessel. To be used for Breakbulk and odd-sized-cargo occupying more than one stowage location.

:

c506.e1154M Reference Number: For Qualifier "BM": always "1". For Qualifier "ET": leading stowage location, containing relevant data for this consignment.

'

Remarks: For breakbulk and odd-sized-cargo see chapter 3: Special User Guidelines.

Group **grp3** : EQD - EQA - NAD

EQD **EQUIPMENT DETAILS (grp3)**

+

e8053 M Equipment Qualifier: Allowed codes:
"CN" (Container)
"BB" (Breakbulk)
"ZZZ" (Ro/Ro or otherwise).

+

c237.e8260 Equipment Identification Number:

1. The containernumber:
Format: Prefix/Number (PPPPPNNNNNNNNN), thus allowing 5 characters for the prefix and 9 characters for the number. In case of a prefix of less than 5 characters spaces to be added to the right. In case of a number of less than 9 characters the number should be left aligned. E.g. container "EU 876" should be transmitted as "EU___876", thus leaving 3 spaces between the prefix and the number. 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!

2. Breakbulk: Leave blank in case of breakbulk.

3. Otherwise (Ro/Ro): The equipment identification number.

+

c224.e8155 Equipment Size and Type Identification: ISO size-type code of 4 digits (ISO 6346). Note that the field length of ISO size-type will be changed to AN..10 in the future.
Leave blank in case of breakbulk.

+
+
+

e8733 Full/Empty Indicator, coded: Code "5" = Full, "4" = Empty. Leave blank in case of breakbulk.

'

Remarks: This segment to be qualified with "BB" in case of a breakbulk shipment. The NAD-segment of this group can then be used to transmit the actual carrier of the breakbulk parcel.

EQA	**EQUIPMENT ATTACHED (grp3)**
+	
e8053	Equipment Qualifier: Allowed qualifiers are: "RG" (Reefer Generator) or "CN" (container).
+	
c237.e8260	Equipment Identification Number: The unitnumber, according to definition in EQD.
'	

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

NAD	**NAME AND ADDRESS (grp3)**
+	
e3035	Party Qualifier: Allowed code: "CA" (Carrier).
+	
c082.e3039	Party Id Identification: Party responsible for the carriage of the goods and/or equipment.
:	
c082.e1131	Code List Qualifier: Qualifier "172" (Carrier Code).
:	
c082.e3055	Code List Responsible Agency, coded: Code "20" (BIC) or "ZZZ" (Mutually defined).
'	

Group **grp4** : DGS - FTX

DGS		**DANGEROUS GOODS (grp4)**
+		
e8753	M	Dangerous Goods Regulations: Code "IMD" (IMO IMDG Code)
+		
c205.e8755	M	Hazard Code Identification: IMDG Code, e.g. "1.2"
:		
c205.e8702		Hazard Substance/item/page number: The IMDG code page number (English version).
+		
c234.e7124		UNDG Number: UN number of respective dangerous cargo transported (4 digits).
+		
c223.e7712		Shipment Flashpoint: the actual flashpoint in degrees Celsius 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: Code "CEL" (degrees Celsius) or "FAH" (degrees Fahrenheit)
+		
e8725		Packing group, coded: The packing group code of the hazardous goods.
+		
e8756		EMS number: Emergency schedule number.
+		
e8758		MFAG: Medical First Aid Guide number.
+		
+		
c235.e8708		Hazard Identification number, upper part.
:		

(Continued on next page)

DGS (Continued)

c235.e8710	Hazard Identification number, lower part.
+	
c236.e8712	Dangerous Goods Label Marking (1).
:	
c236.e8712	Dangerous Goods Label Marking (2).
:	
c236.e8712	Dangerous Goods Label Marking (3).
'	

FTX	**FREE TEXT (grp4)**
+	
e4451	Text Subject Qualifier: Code "AAA" (Description of Goods)
+ + +	
c108.e4440 (1)	Free text: Description of hazard material in plain language. One element of maximum 70 characters to be given only for the description.
:	
c108.e4440 (2)	Free text: The nett weight in kilos of the hazardous material to be transmitted here.
'	

UNT	**M**	**MESSAGE TRAILER**
+		
e0074	M	Number of segments in the message, including UNH and UNT segments, but excluding UNA, UNB and UNZ segments.
+		
e0062	M	Message reference number: This reference must be identical to the reference in the UNH-segment (e0062).

'

UNZ M **INTERCHANGE TRAILER**

+

e0036 M Interchange Control Count: The number of messages in the interchange.

+

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

'

3. SPECIAL USER GUIDELINES

3.1. Odd-sized-cargo

All information concerning the cargo should be mentioned on stowage location where the equipment is stowed.

Cargo is to be identified as over-size in segment FTX.

Stowage locations occupied due to over-size will just carry position number and reference to "Leading Stowage Position" as above, in segment RFF. The "Leading Stowage Position" is where the equipment is stowed.

Dimensions have to be inserted according to instructions mentioned under the segment DIM.

3.2. Breakbulk cargo (B/B)

The "Leading Stowage Position" is the first relevant stowage position mentioned within the sequence of a message irrespective of possibly used equipment for this load.

The cargo is to be identified as B/B in segment FTX.

All relevant information concerning the cargo has to be inserted under the "Leading Stowage Position".

Stowage locations occupied due to over-size will just carry position number and reference to "Leading Stowage Position" as above, in segment RFF.

Possibly used equipment will be mentioned in respective stowage position and, if not the "Leading Stowage Position", inserted without cargo information but just segments LOC and EQD (possibly EQA) and reference to "Leading Stowage Position" in segment RFF.

In case of the socalled "Sandwich-Stow" (Flat + Platform in one position) is to be proceeded as described under segment EQA.

Hereunder follow two examples for breakbulk shipments, one without the use of equipment and one with the use of equipment.

Example # 1:

1 piece machinery 32500 kos 890x550x320cm
on deck covering cells 120308+120508+120708
from Southampton to Singapore.

N.B. Cell 120308 is 'leading cell position', because it has the lowest cellnumber.

EDIFACT:	comments:
LOC+147+0120308::5'	Leading cell position
FTX+AAA+++1 PIECE MACHINERY'	It is breakbulk!
MEA+WT++KGM:32500'	Weight of the cargo
DIM+1+CM:890:550:320'	and the measurements
LOC+6+GBSOU'	loadport
LOC+12+SGSIN'	disch.port
RFF+ET:0120308'	reference to leading cellpos
EQD+BB'	dummy EQD with qualifier "BB"
NAD+CA+ABC'	NAD-segment with Carrier of goods
LOC+147+0120508::5'	Next cell

MEA+WT++KGM:0'	dummy segment (mandatory)
RFF+ET:0120308'	reference to leading cellpos
LOC+147+0120708::5'	Next cell
MEA+WT++KGM:0'	dummy segment (mandatory)
RFF+ET:0120308'	reference to leading cellpos

Example # 2:

1 piece machinery 32500 kos
890x550x320cm
loaded on 3 flats numbers ECTU4235876 ECTU4246733 ECTU4248891
tareweight of the flats is 3250 kos each
in cells 120406 120206 120006
from Southampton to Singapore

EDIFACT:	comments:
LOC+147+0120006::5'	Leading cell position
FTX+AAA+++1 PIECE MACHINERY'	It is breakbulk!
FTX+CLR+++OVERHEIGHT'	Overheight indicator
MEA+WT++KGM:32500'	Weight of the cargo
MEA+TAR++KGM:3250'	Tareweight of 1st flat
DIM+1+CM:890:550:320'	and the measurements
DIM+9+CM:::320'	Overheight dimension
LOC+6+GBSOU'	loadport
LOC+12+SGSIN'	disch.port
RFF+ET:0120006'	reference to leading cellpos
EQD+BB'	dummy EQD with qualifier "BB"
NAD+CA+ABC'	NAD-segment with Carrier of goods
EQD+CN+ECTU 4235876+4960+++5'	The 1st flat
NAD+CA+ECT:172:20'	Carrier of 1st flat
LOC+147+0120206::5'	Next cell
MEA+TAR++KGM:3250'	Tareweight of 2nd flat
DIM+9+CM:::320'	Overheight dimension
RFF+ET:0120006'	reference to leading cellpos
EQD+CN+ECTU 4246733+4960+++5'	The 2nd flat
NAD+CA+ECT:172:20'	Carrier of 2nd flat
LOC+147+0120406::5'	Next cell
MEA+TAR++KGM:3250'	Tareweight of 3rd flat
DIM+9+CM:::320'	Overheight dimension
RFF+ET:0120006'	reference to leading cellpos
EQD+CN+ECTU 4248891+4960+++5'	The 3rd flat
NAD+CA+ECT:172:20'	Carrier of 3rd flat

3.3. Coastal Cargo

Coastal cargo will be handled in the same manner as overseas cargo, but will not have any influence to change of voyage number in case this cargo has to be discharged after last "normal" operational discharge port as stipulated by the Carrier.

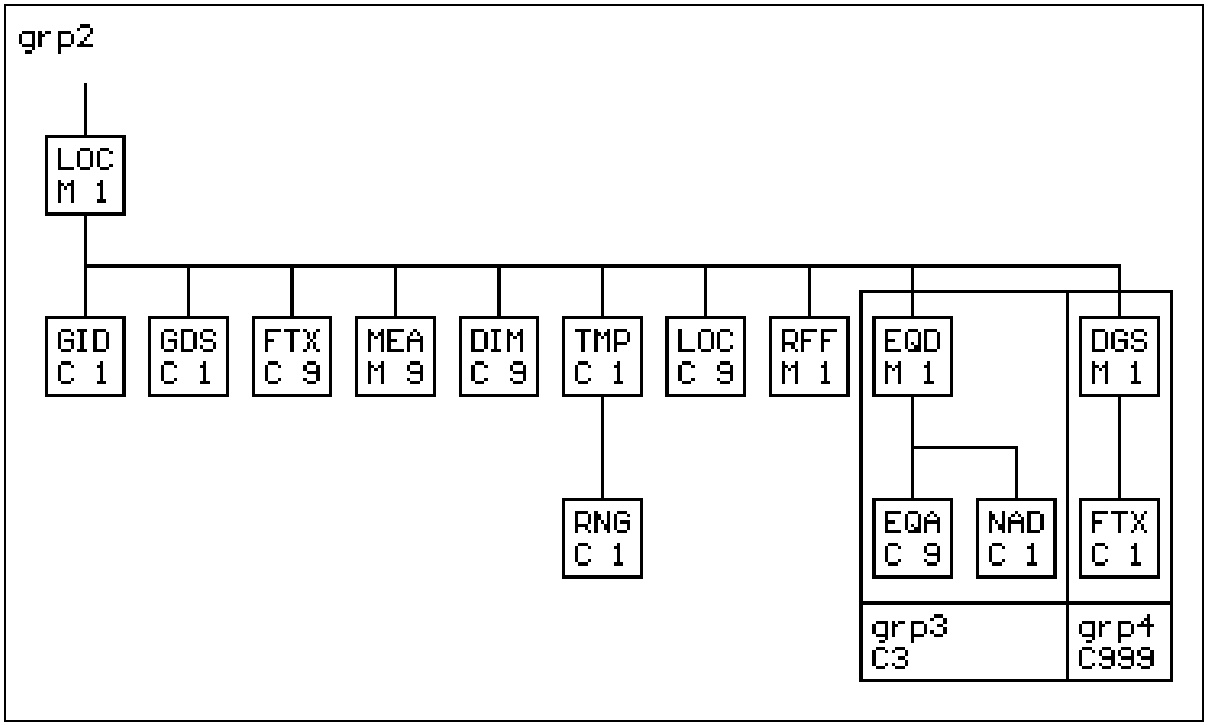
4. EXAMPLE MESSAGE

```
UNB+UNOA:1+NLRTMDEL1+NLRTMTCR+920518:0944+2112'
UNH+2112+BAPLIE:1:911:UN'
BGM+++9'
DTM+137:9205180942:201'
TDT+20+2112++PGDE:103++NLL:172:20'
LOC+5+SGSIN'
LOC+61+NLRTM'
DTM+133:9204291200:201'
LOC+147+0010316::5'
MEA+WT++KGM:2300'
LOC+6+JPYOK'
LOC+12+NLRTM'
RFF+BM:1'
EQD+CN+TRHU 6812054+2200+++5'
NAD+CA+CGM:172'
LOC+147+0030114::5'
MEA+WT++KGM:2300'
LOC+6+JPYOK'
LOC+12+NLRTM'
RFF+BM:1'
EQD+CN+SLOU 2830566+2200+++5'
NAD+CA+CGM:172'
LOC+147+0030382::5'
MEA+WT++KGM:2300'
LOC+6+JPYOK'
LOC+12+NLRTM'
RFF+BM:1'
EQD+CN+CGMU 2008020+2200+++5'
NAD+CA+CGM:172'
LOC+147+0050106::5'
MEA+WT++KGM:19700'
LOC+6+JPUKB'
LOC+12+DEHAM'
LOC+83+SEGOT'
RFF+BM:1'
EQD+CN+GSTU 4231153+2200+++5'
NAD+CA+NLL:172'
LOC+147+0050108::5'
MEA+WT++KGM:19200'
LOC+6+JPUKB'
LOC+12+DEHAM'
LOC+83+SEGOT'
RFF+BM:1'
EQD+CN+SCXU 7038825+2200+++5'
NAD+CA+NLL:172'
LOC+147+0050110::5'
MEA+WT++KGM:14500'
LOC+6+JPUKB'
LOC+12+DEHAM'
RFF+BM:1'
EQD+CN+TRIU 2728600+2200+++5'
NAD+CA+MIS:172'
LOC+147+0050112::5'
MEA+WT++KGM:7500'
LOC+6+JPUKB'
LOC+12+DEHAM'
```

RFF+BM:1'
EQD+CN+TROU 2717200+2200+++5'
NAD+CA+MIS:172'
LOC+147+0050114::5'
MEA+WT++KGM:7900'
LOC+6+JPUKB'
LOC+12+DEHAM'
RFF+BM:1'
EQD+CN+TOLU 5652596+2232+++5'
NAD+CA+NLL:172'
DGS+IMD+6.1'
LOC+147+0050206::5'
MEA+WT++KGM:19600'
LOC+6+JPUKB'
LOC+12+DEHAM'
LOC+83+SEGOT'
RFF+BM:1'
EQD+CN+TEXU 2500555+2200+++5'
NAD+CA+NLL:172'
LOC+147+0050208::5'
MEA+WT++KGM:19700'
LOC+6+JPUKB'
LOC+12+DEHAM'
LOC+83+SEGOT'
RFF+BM:1'
EQD+CN+ICSU 4153607+2200+++5'
NAD+CA+NLL:172'
LOC+147+0050210::5'
MEA+WT++KGM:19800'
LOC+6+JPUKB'
LOC+12+DEHAM'
LOC+83+SEGOT'
RFF+BM:1'
EQD+CN+KNLU 2541833+2200+++5'
NAD+CA+NLL:172'
LOC+147+0050212::5'
MEA+WT++KGM:11100'
LOC+6+JPUKB'
LOC+12+DEHAM'
LOC+83+SEGOT'
RFF+BM:1'
EQD+CN+CTIU 3265066+2200+++5'
NAD+CA+CGM:172'
UNT+99+2112'
UNZ+1+2112'

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.

5. MESSAGE STRUCTURE DIAGRAM



6. SEGMENT DIRECTORY

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..70
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.

8753	DANGEROUS GOODS REGULATIONS, CODED	C	AN..3
C205	HAZARD CODE	C	
8755	HAZARD CODE IDENTIFICATION	M	AN..7
8702	HAZARD SUBSTANCE/ITEM/PAGE NUMBER	C	AN..7
8704	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	
7712	SHIPMENT FLASHPOINT	C	N3
6411	MEASURE UNIT QUALIFIER	C	AN..3
8725	PACKING GROUP, CODED	C	AN..3
8756	EMS NUMBER	C	AN..6
8758	MFAG	C	AN..4
8706	TREM CARD NUMBER	C	AN..10
C235	HAZARD IDENTIFICATION	C	
8708	HAZARD IDENTIFICATION NUMBER, UPPER PART	C	AN..4
8710	SUBSTANCE IDENTIFICATION NUMBER, LOWER PART	C	AN4
C236	DANGEROUS GOODS LABEL	C	
8712	DANGEROUS GOODS LABEL MARKING	C	AN..4
8712	DANGEROUS GOODS LABEL MARKING	C	AN..4
8712	DANGEROUS GOODS LABEL MARKING	C	AN..4
8715	PACKING INSTRUCTION, CODED	C	AN..3
8717	CATEGORY OF MEANS OF TRANSPORT, CODED	C	AN..3
8719	PERMISSION FOR TRANSPORT, CODED	C	AN..3

DIM DIMENSIONS

To specify dimensions.

6705	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
2782	DATE/TIME/PERIOD	M	AN..35
2781	DATE/TIME/PERIOD FORMAT QUALIFIER	M	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

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
C224	EQUIPMENT SIZE AND TYPE	C	
8155	EQUIPMENT SIZE AND TYPE IDENTIFICATION	C	AN..4
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
8154	EQUIPMENT SIZE AND TYPE	C	AN..70
8077	SHIPPER SUPPLIED EQUIPMENT INDICATOR, CODED	C	AN..3
8763	EQUIPMENT STATUS, CODED	C	AN..3
8733	FULL/EMPTY INDICATOR, CODED	C	AN..3

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
3701	LANGUAGE, CODED	C	AN..3

GDS GOODS DESCRIPTION

To describe the goods being transported.

```
  C212 ITEM NUMBER IDENTIFICATION                  C
  7022   ITEM NUMBER                               C  AN..35
  7023   ITEM NUMBER, CODED                        C  AN..3
  1131   CODE LIST QUALIFIER                       C  AN..3
  3055   CODE LIST RESPONSIBLE AGENCY, CODED       C  AN..3

  C703 NATURE OF CARGO                             C
  7703   NATURE OF CARGO, CODED                    M  AN..3
  1131   CODE LIST QUALIFIER                       C  AN..3
  3055   CODE LIST RESPONSIBLE AGENCY, CODED       C  AN..3

  C703 NATURE OF CARGO                             C
  7703   NATURE OF CARGO, CODED                    M  AN..3
  1131   CODE LIST QUALIFIER                       C  AN..3
  3055   CODE LIST RESPONSIBLE AGENCY, CODED       C  AN..3

  C703 NATURE OF CARGO                             C
  7703   NATURE OF CARGO, CODED                    M  AN..3
  1131   CODE LIST QUALIFIER                       C  AN..3
  3055   CODE LIST RESPONSIBLE AGENCY, CODED       C  AN..3

  C703 NATURE OF CARGO                             C
  7703   NATURE OF CARGO, CODED                    M  AN..3
  1131   CODE LIST QUALIFIER                       C  AN..3
  3055   CODE LIST RESPONSIBLE AGENCY, CODED       C  AN..3

  C703 NATURE OF CARGO                             C
  7703   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..7
  1131   CODE LIST QUALIFIER                      C  AN..3
  3055   CODE LIST RESPONSIBLE AGENCY, CODED      C  AN..3
  7064   TYPE OF PACKAGES                         C  AN..70

  C213 NUMBER AND TYPE OF PACKAGES                C
  7224   NUMBER OF PACKAGES                       M  N..8
  7065   TYPE OF PACKAGES IDENTIFICATION          C  AN..7
  1131   CODE LIST QUALIFIER                      C  AN..3
  3055   CODE LIST RESPONSIBLE AGENCY, CODED      C  AN..3
  7064   TYPE OF PACKAGES                         C  AN..70

  C213 NUMBER AND TYPE OF PACKAGES                C
  7224   NUMBER OF PACKAGES                       M  N..8
  7065   TYPE OF PACKAGES IDENTIFICATION          C  AN..7
  1131   CODE LIST QUALIFIER                      C  AN..3
  3055   CODE LIST RESPONSIBLE AGENCY, CODED      C  AN..3
  7064   TYPE OF PACKAGES                         C  AN..70
```

LOC PLACE/LOCATION IDENTIFICATION

To identify a place/location/sub-location/sub-sub-location.

3227	PLACE/LOCATION QUALIFIER	M	AN..3
C517	LOCATION IDENTIFICATION	M	
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 NAME	C	AN..70
C519	RELATED LOCATION ONE IDENTIFICATION	C	
3765	RELATED PLACE/LOCATION ONE IDENTIFICATION	C	AN..25
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
3764	RELATED PLACE/LOCATION ONE	C	AN..70
C553	RELATED LOCATION TWO IDENTIFICATION	C	
3763	RELATED PLACE/LOCATION TWO IDENTIFICATION	C	AN..25
1131	CODE LIST QUALIFIER	C	AN..3
3055	CODE LIST RESPONSIBLE AGENCY, CODED	C	AN..3
3762	RELATED PLACE/LOCATION TWO	C	AN..70
5799	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
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
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..17
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
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 the identifying number associated with a party or transaction.

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

RNG RANGE DETAILS

To identify a range.

6727	RANGE TYPE QUALIFIER	M	AN..3
C280	RANGE	C	
6411	MEASURE UNIT QUALIFIER	M	AN..3
6162	RANGE MINIMUM	M	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..70
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..70
8453	NATIONALITY OF MEANS OF TRANSPORT, CODED	C	AN..3
C228	TRANSPORT MEANS	C	
8179	TYPE OF MEANS OF TRANSPORT IDENTIFICATION	C	AN..8
8178	TYPE OF MEANS OF TRANSPORT	C	AN..70
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	
8765	EXCESS TRANSPORTATION REASON, CODED	M	AN..3
8767	EXCESS TRANSPORTATION RESPONSIBILITY, CODED	M	AN..3
7714	CUSTOMER AUTHORIZATION NUMBER	C	AN..17

TMP TEMPERATURE

To specify the temperature range and/or setting.

6711	TEMPERATURE QUALIFIER	M	AN..3
C239	TEMPERATURE SETTING	C	
6712	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
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

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