

```
+-----+
!                                     !
!           Issue 1                   !
!           -----                   !
!                                     !
!           ENDORSED BY EDIFICE       !
!                                     !
!           November 27, 1996        !
!                                     !
+-----+
```

EDIFICE UTILISATION  
OF THE  
EDIFACT - RECADV MESSAGE  
(RECEIVING ADVICE MESSAGE)

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EDIFICE

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with interests in computing, electronics and telecommunications

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COMPARISON TO PREVIOUS ISSUE

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No previous issue exists.

EDIFICE FUNCTIONAL DEFINITION

-----

This message is to address the business needs related to the physical goods receipt. It has been created as a response to the Despatch Advice message with which it has a one-to-one relationship. It should only be sent after the receipt of the goods. The message allows for the reporting of discrepancies in products, quantities, terms, packages, etc. on the Despatch Advice message.

The message may be used to indicate that the received consignment is completely in line with the consignment information given in the Despatch Advice message. In this case EDIFICE recommends that no detail should be provided: it is sufficient to refer to the Despatch Advice in the heading section.

Otherwise the message may inform about the discrepancies between the received consignment and the consignment information given in the Despatch Advice message.

Principles:

The message is initiated by the party which received the goods. The message relates to one physical delivery to a single location and a single Despatch Advice message. It may cover a number of different items or packages.

The message is normally sent to the shipper of the goods. In situations where the shipment is organised by the receiver of the goods the message may be sent to the Freight Forwarder.

It is recognised that information pertaining to the receipt of the goods may change after the initial message has been sent. To accommodate these scenarios, both 'replace' and 'cancellation' message types are catered for by means of the BGM DE 1225.

Individual line items cannot be cancelled - in this case a replacement message should be sent.

Should a discrepancy on quantity occur for 1 line out of 10, EDIFICE recommends to provide the "received" quantity in segment QTY for the 10 lines and to provide the variance information in segment QVR only for the line with the discrepancy.

REFERENCES

-----

UN/EDIFACT DIRECTORY D.96A 1995-11-17

- DRAFT RECOMMENDATION RECEIVING ADVICE MESSAGE
  - Message Type : RECADV
  - Version : D
  - Release : 96A
  - Contr. Agency : UN
  - Status : 1
  - Revision : 1
  - Date : 95-11-23
- DATA SEGMENTS DIRECTORY
- COMPOSITE DATA ELEMENTS DIRECTORY
- DATA ELEMENTS DIRECTORY
- CODE LISTS

International Standards

- ISO 9735 EDIFACT - Applications level syntax rules
  - First edition 1988-07-15
  - Amended and Reprinted 1990-11-15
- ISO 3166 Code for the Representation of Names of Countries
  - Date : 1993

UN/ECE Recommendations

- No 19 Codes for Mode of Transport
  - Date : November 1994
- No 20 Codes for Units of Measure used in International Trade
  - Date : August 1995
- No 21 Codes for Types of Cargo, Packages and Packaging Material
  - Date : March 1986

Core European Implementation Guidelines

- Introduction
  - Date : 1996-01-22
- Receiving Advice Message
  - EDIFACT Directory : D.94B
  - Date : 1995-08-08

EDIFICE

- Physical Distribution EDI Implementation Kit
  - Issue : 1
  - Date : November 29, 1995
- Standards for Documentation of the EDIFICE Message Guidelines
  - Issue : 2
  - Status : DRAFT
  - Date : March 3, 1995
- EDIFICE Proposed Utilisation of the EDIFACT Service Segments
  - Issue : 2
  - Date : June 22, 1993

EXPLANATORY NOTES

-----

The following abbreviations are used within this document:

DE = Data Element  
SG = Segment Group

The following codes are used to indicate, in a more detailed and precise way than EDIFACT, the usage of the data concerned in the Guidelines:

EDIFACT -----	Joint Association -----
M (Mandatory)	M (Mandatory)
C (Conditional)	R (Required)
C (Conditional)	D (Depending)
C (Conditional)	A (Advised)
C (Conditional)	O (Optional)
C (Conditional)	X (Not used)

Mandatory = EDIFACT dictates that the Data Element or Segment must be present.

Required = Members agree that the data concerned must be sent.

Depending = The data concerned must be sent if a particular defined condition or set of conditions exists. The associated conditions must be explained at the appropriate level of detail.

Advised = Indicates that the RECEIVER of the message would prefer the data concerned to be sent, but does not require its transmission.

Optional = Indicates that the transmission of the data concerned is at the need or discretion of the SENDER, i.e. it is not required by the receiver in order to perform its business function. The use of 'O' must be agreed between trading partners.

Not Used = The Data Element or Segment will not be used.

EXPLANATORY NOTES (continued):

-----

Where a Composite Data Element is indicated as Not Used, the column 'usage status' for the Component Data Elements will remain blank.

The number of occurrences shown in the message diagram indicates the required or maximum number of occurrences for the utilisation.

The usage status and number of occurrences for segments or segment groups will be represented analogue to the representation of data elements e.g.:

- R3 The segment or group is required 3 times (fixed number)
- R..3 The segment or group is required up to 3 times (maximum number)

The following table indicates the number of integer and decimal digits to be used for numeric data elements when needed:

Numeric Class	Repr: Digits	Integer Digits	Decimals
Dimensions	n..18	15	3
Quantities	n..15	12	3
Volumes	n..18	15	3
Weights	n..18	15	3
Unit Prices	n..15	11	4
Amounts	n..18	15	3
Currency Rates	n..12	6	6
Percentages	n..8	3	5

Negative amounts are indicated by the use of a minus sign.

Consistent use of the date/time/period format should be adhered to throughout the entire document.

EDIFICE MESSAGE DIAGRAM

```
-----
UNH  Message header                M1
BGM  Beginning of message          M1
DTM  Date/time/period              M..2

--- Segment Group 1 ----- D..7 -----+
RFF  Reference                      M1
DTM  Date/time/period              D1 -----+

--- Segment Group 2 ----- O..5 -----+
DOC  Document/message details      M1
                                           !
                                           !

--- Segment Group 3 ----- R..3 -----+ !
CDI  Physical or logical state     M1
INP  Parties to instruction        O1 -----+ +
                                           !

--- Segment Group 4 ----- M..2 -----+
NAD  Name and address              M1
                                           !
                                           !

--- Segment Group 6 ----- O1 -----+ !
CTA  Contact information            M1
COM  Communication contact         O..4 -----+ +
                                           !

--- Segment Group 10 ----- O1 -----+
TDT  Details of transport          M1
CDI  Physical or logical state     R1 -----+ +
                                           !

--- Segment Group 11 ----- D..10 -----+
EQD  Equipment details             M1
                                           !
                                           !

--- Segment Group 12 ----- D..2 -----+ !
CDI  Physical or logical state     M1
INP  Parties to instruction        O..2 -----+ !
                                           !

--- Segment Group 13 ----- D..25 -----+ !
SEL  Seal number                   M1
CDI  Physical or logical state     M..2 -----+ +
                                           !

--- Segment Group 16 ----- D..9999 -----+
CPS  Consignment packing sequence  M1
                                           !
                                           !

--- Segment Group 17 ----- D..10 -----+ !
PAC  Package                       M1
QVR  Quantity variances            D1 -----+ !
                                           !

--- Segment Group 18 ----- D1 -----+ ! !
PCI  Package identification        M1
                                           ! ! !
                                           ! ! !

--- Segment Group 20 ----- D1 -----+ ! ! !
GIN  Goods identity number        M1
                                           ! ! ! !
                                           ! ! ! !

--- Segment Group 21 ----- R..2 -----+ ! ! ! !
CDI  Physical or logical state     M1
INP  Parties to instruction        O..2 -----+ + + + +
                                           !
```

EDIFICE MESSAGE DIAGRAM (continued)

-----

```
--- Segment Group 22 ----- D..9999 -----+ !
LIN  Line item                M1                !!
QTY  Quantity                 D1                !!
QVR  Quantity variances      D..3                !!
                                           !!
--- Segment Group 23 ----- O..2 -----+ !!
CDI  Physical or logical state M1                !!!
INP  Parties to instruction   O..4 -----+ !!
                                           !!
--- Segment Group 26 ----- O..99 -----+ !!
GIN  Goods identity number    M1                !!!
                                           !!!
--- Segment Group 27 ----- R..2 -----+ !!!
CDI  Physical or logical state M1                !!!!
INP  Parties to instruction   O..4 -----+ !!
                                           !!
--- Segment Group 28 ----- A..3 -----+ !!
RFF  Reference                 M1                !!!
DTM  Date/time/period         D1 -----+--+
UNT  Message trailer          M1
```

UNH MESSAGE HEADER

-----  
Function: To head, identify and specify a message.  
Usage : M1  
Remarks :

Ref. Rep.	Name	!	EDIFICE UTILISATION
0062 an..14	M MESSAGE REFERENCE NUMBER	!!	See Note 1
S009	M MESSAGE IDENTIFIER	!!	
0065 an..6	M Message type identifier	!!	'RECADV'
0052 an..3	M Message type version number	!!	'D'
0054 an..3	M Message type release number	!!	'96A'
0051 an..2	M Controlling agency	!!	'UN'
0057 an..6	C Association assigned code	!!	'ED1'
0068 an..35	C COMMON ACCESS REFERENCE	!!	
S010	C STATUS OF THE TRANSFER	!!	
0070 n..2	M Sequence message transfer number	!!	
0073 a1	C First/last sequence message transfer indication	!!	

-----+-----  
Note 1 DE 0062 MESSAGE REFERENCE NUMBER  
This reference number must also be in the UNT segment of this message.

BGM BEGINNING OF MESSAGE

Function: To indicate the beginning of the Receiving Advice message, the type of transaction being performed, and the Receiving Advice number.

Usage : M1

Remarks : All references other than the document message number DE 1004 are to be indicated in the next RFF group.

Cancellation:

When DE 1225 contains '1' then only the mandatory BGM, DTM and NAD segments need be sent in the message. The document number used in DE 1004 must be the same as in the original message.

Replace:

When DE 1225 contains '5' it has the effect of cancelling the original message and replacing it with this, so the entire message must be sent. The document number used in DE 1004 must be the same as in the original message.

Ref. Rep.	Name	! EDIFICE UTILISATION
C002	C DOCUMENT/MESSAGE NAME	! !
1001 an..3	C Document/message name, coded	!R! See Note 1
1131 an..3	C Code list qualifier	! !
3055 an..3	C Code list responsible agency, coded	!X!
1000 an..35	C Document/message name	!X!
1004 an..35	C DOCUMENT/MESSAGE NUMBER	! !
1225 an..3	C MESSAGE FUNCTION, CODED	!R! See Note 3
4343 an..3	C RESPONSE TYPE, CODED	!X!

Note 1: DE 1001 Document/message name, coded '352' Receiving Advice Use this code until EDIFACT makes one available

Note 2: DE 1004 DOCUMENT/MESSAGE NUMBER Receiving Advice number assigned by the sender. The recommendation is to use a sequential number.

Note 3: DE 1225 MESSAGE FUNCTION, CODED '1' Cancellation '5' Replace '9' Original

DTM DATE/TIME/PERIOD  
-----

Function: To provide a date (or dates and times) relevant to the whole  
Receiving Advice message.

Usage : M..2

Remarks : All dates and times are local dates and times to the place of  
activity being described. It is required to specify the date  
of issue of the message.

Ref. Rep.	Name	! EDIFICE UTILISATION
C507	M DATE/TIME/PERIOD	!!
2005 an..3	M Date/time/period qualifier	!M! See Note 1 !!
2380 an..35	C Date/time/period	!R!
2379 an..3	C Date/time/period format qualifier	!R! See Note 2 !! !!

Note 1: DE 2005 Date/time/period qualifier  
'50' Goods receipt date  
'137' Document/message date/time

Note 2: DE 2379 Date/time/period format qualifier  
'101' YMMDD  
'102' CCYMMDD  
'201' YMMDDHHMM  
'203' CCYMMDDHHMM

SEGMENT GROUP 1  
-----

Function: A group of segments for referencing documents/messages and their dates relating to the whole Receiving Advice message.

Usage : D..7

Remarks : Where the reference relates to the whole document it must be sent in SG 1. Where the reference is not the same in every line item (LIN) it must appear in every SG28, and not here. When the line number needs to be referenced in SG28 then document number may also be referenced in SG28 as well as here. The DTM segment must be sent where local law requires a date or expiry date of a reference document to be sent. At least one occurrence of SG 1 is required to specify the Despatch Advice number, if not cancellation.

---	Segment Group	1	-----	D..7	-----	+
RFF	Reference			M1		!
DTM	Date/time/period			D1	-----	+

RFF REFERENCE

Function: To specify a reference document relating to the whole Receiving Advice.

Usage : M1

Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
C506	M REFERENCE	!!
1153 an..3	M Reference qualifier	!M! See Note 1
1154 an..35	C Reference number	!R! As specified by DE 1153
1156 an..6	C Line number	!X!
4000 an..35	C Reference version number	!X!

- Note 1: DE 1153 Reference qualifier
- 'AAK' Despatch advice number
  - 'AAU' Despatch note number
  - 'CU' Consignors reference number
  - 'IV' Invoice number
  - 'ON' Order number (purchase)
  - 'UCN' Unique consignment reference number
  - 'VN' Order number (vendor)

DTM DATE/TIME/PERIOD  
-----

Function: To indicate the date of the reference specified in the  
previous RFF segment, e.g. date of referenced purchase order.  
Usage : D1  
Remarks : All dates and times are local.

Ref. Rep.	Name	!	EDIFICE UTILISATION
C507	M DATE/TIME/PERIOD	!	!
2005 an..3	M Date/time/period qualifier	!M!	'171' Reference date/time ! !
2380 an..35	C Date/time/period	!R!	
2379 an..3	C Date/time/period format qualifier	!R!	See Note 1 ! !

Note 1: DE 2379 Date/time/period format qualifier  
'101' YMMDD  
'102' CCYMMDD  
'201' YMMDDHHMM  
'203' CCYMMDDHHMM

SEGMENT GROUP 2  
-----

Function: A group of segments to identify the discrepancies with the  
documentary requirements relating to the whole consignment.  
Usage : O..5  
Remarks :

---	Segment Group	2	-----	O..5	-----+
DOC	Document/message details		M1		!
					!
---	Segment Group	3	-----	R..3	-----+ !
CDI	Physical or logical state		M1		! !
INP	Parties to instruction		O1	-----	+--+

## DOC DOCUMENT/MESSAGE DETAILS

Function: To identify a document where a discrepancy occurs.  
 Usage : M1  
 Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
		! !
C002	M DOCUMENT/MESSAGE NAME	!M!
1001 an..3	C Document/message name, coded	!R! See Note 1 ! !
1131 an..3	C Code list qualifier	!X!
3055 an..3	C Code list responsible agency, coded	!X! ! !
1000 an..35	C Document/message name	!X! ! !
C503	C DOCUMENT/MESSAGE DETAILS	!X!
1004 an..35	C Document/message number	! !
1373 an..3	C Document/message status, coded	! ! ! !
1366 an..35	C Document/message source	! !
3453 an..3	C Language, coded	! ! ! !
3153 an..3	C COMMUNICATION CHANNEL IDENTIFIER, CODED	!X! ! ! ! !
1220 n..2	C NUMBER OF COPIES OF DOCUMENT REQUIRED	!X! ! ! ! !
1218 n..2	C NUMBER OF ORIGINALS OF DOCUMENT REQUIRED	!X! ! ! ! !

Note 1: DE 1001 Document/message name, coded  
 '270' Delivery note  
 '271' Packing list  
 '325' Proforma invoice  
 '865' Certificate of origin form GSP  
 '945' EUR 1 certificate of origin

SG 2

HEADER

SEGMENT GROUP 3  
-----

Function: A group of segments to report the physical or logical state of  
the document upon receipt and to give the appropriate  
instruction if needed.

Usage : R..3

Remarks :

```
--- Segment Group 3 ----- R..3 -----+
CDI Physical or logical state           M1           !
INP Parties to instruction              O1 -----+
```

CDI PHYSICAL OR LOGICAL STATE  
-----

Function: To report the state of the document upon receipt, e.g.  
required document not received or incorrect.

Usage : M1

Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
7001 an..3	M PHYSICAL OR LOGICAL STATE	!M! '1' Upon receipt
C564	M PHYSICAL OR LOGICAL STATE INFORMATION	!M! !!
7007 an..3	C Physical or logical state, coded	!R! See Note 1 !!
1131 an..3	C Code list qualifier	!X!
3055 an..3	C Code list responsible agency, coded	!X! !!
7006 an..35	C Physical or logical state	!X! !!

Note 1: DE 7007 Physical or logical state, coded  
'2' Missing  
'3' Wrong identification  
(i.e. the information on the document is wrong)  
'4' Damaged

INP PARTIES TO INSTRUCTION

Function: To give instructions to send a replacement document.  
Usage : 01  
Remarks :

Ref.	Rep.	Name	!	EDIFICE UTILISATION
			!	!
C849		C PARTIES TO INSTRUCTION	!X!	
3301	an..17	M Party enacting instruction	!	!
		identification	!	!
3285	an..17	C Recipient of the instruction	!	!
		identification	!	!
C522		C INSTRUCTION	!R!	
4403	an..3	M Instruction qualifier	!M!	'1' Action required
4401	an..3	C Instruction, coded	!R!	'AG' Send replacement
1131	an..3	C Code list qualifier	!X!	
3055	an..3	C Code list responsible	!X!	
		agency, coded	!	!
4400	an..35	C Instruction	!X!	
			!	!
C850		C STATUS OF INSTRUCTION	!X!	
4405	an..3	M Status, coded	!	!
3036	an..35	C Party name	!	!
			!	!
1229	an..3	C ACTION REQUEST/NOTIFICATION,	!X!	
		CODED	!	!

SEGMENT GROUP 4  
-----

Function: A group of segments to identify names, addresses and contacts relevant to the whole Receiving Advice message.

Usage : M..2

Remarks : Identification of the sender (consignor) and recipient (consignee) of the goods is mandatory in the Receiving Advice message.

```
--- Segment Group 4 ----- M..2 -----+
NAD Name and address           M1                !
                                           !
--- Segment Group 6 ----- O1 -----+ !
CTA Contact information         M1                ! !
COM Communication contact      O..4 -----+--+
```

## NAD NAME AND ADDRESS

Function: To specify the name and address of a party involved in the Receiving Advice.

Usage : M1

Remarks : EDIFICE advises that the party identification composite element (C082) be used. When C082 cannot be used EDIFICE recommends using the structured name and address (C080 through 3207) rather than the unstructured one (C058).

Ref.	Rep.	Name	! EDIFICE UTILISATION
			! !
3035	an..3	M PARTY QUALIFIER	!M! See Note 1
			! !
C082		C PARTY IDENTIFICATION DETAILS	!A! ! !
3039	an..35	M Party id. identification	!M! Code identifying the party
1131	an..3	C Code list qualifier	!X!
3055	an..3	C Code list responsible agency, coded	!R! See Note 2 ! !
			! !
C058		C NAME AND ADDRESS	!D!
3124	an..35	M Name and address line	!M!
3124	an..35	C Name and address line	!O!
3124	an..35	C Name and address line	!O!
3124	an..35	C Name and address line	!O!
3124	an..35	C Name and address line	!O!
			! !
C080		C PARTY NAME	!D!
3036	an..35	M Party name	!M!
3036	an..35	C Party name	!O!
3036	an..35	C Party name	!O!
3036	an..35	C Party name	!O!
3036	an..35	C Party name	!O!
3045	an..3	C Party name format, coded	!O! ! !
			! !
C059		C STREET	!D!
3042	an..35	M Street and number/p.o. box	!M! ! !
3042	an..35	C Street and number/p.o. box	!O! ! !
3042	an..35	C Street and number/p.o. box	!O! ! !
			! !
3164	an..35	C CITY NAME	!D! ! !
			! !
3229	an..9	C COUNTRY SUB-ENTITY IDENTIFICATION	!D! ! !
			! !
3251	an..9	C POSTCODE IDENTIFICATION	!D! ! !
			! !
3207	an..3	C COUNTRY, CODED	!D! Use ISO 3166 2 alpha code ! !
			! !

NAD NAME AND ADDRESS (continued)

-----

Note 1: DE 3035 PARTY QUALIFIER

'CN' Consignee

'CZ' Consignor

Note 2: DE 3055 Code list responsible agency, coded

'9' EAN (International Article Numbering association)

'16' DUNS (Dun & Bradstreet)

'91' Assigned by seller or seller's agent

'92' Assigned by buyer or buyer's agent

SG 4

HEADER

SEGMENT GROUP 6  
-----

Function: A group of segments to indicate a communication contact and  
communication numbers for the party identified in the previous  
NAD segment.

Usage : 01

Remarks :

```
--- Segment Group 6 ----- O1 -----+
CTA Contact information           M1           !
COM Communication contact         O..4 -----+
```

CTA CONTACT INFORMATION

Function: To identify the person, or department to whom communication should be directed.

Usage : M1

Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
3139 an..3	C CONTACT FUNCTION, CODED	!! 'IC' Information contact
C056	C DEPARTMENT OR EMPLOYEE DETAILS	!! See Note 1
3413 an..17	C Department or employee identification	!!
3412 an..35	C Department or employee	!!

Note 1: C056 DEPARTMENT OR EMPLOYEE DETAILS  
 If a code is available use DE 3413, otherwise use DE 3412.

COM COMMUNICATION CONTACT

Function: To identify a communication channel and number of the department or the person to whom communication should be directed.

Usage : O..4

Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
C076	M COMMUNICATION CONTACT	! !
3148 an..512	M Communication number	!M!
3155 an..3	M Communication channel qualifier	!M! See Note 1 ! !

Note 1: DE 3155 Communication channel qualifier

- 'EM' Electronic mail
- 'FX' Telefax
- 'TE' Telephone
- 'TL' Telex

SG10

HEADER

SEGMENT GROUP 10  
-----

Function: A group of segments specifying details of the mode/means of transport, carrier information, and if a discrepancy has occurred.

Usage : O1

Remarks : It should be noted that differences in the details of transport can only be flagged as a difference. It is not possible to indicate what the resultant action should be.

---	Segment Group	10	-----	O1	-----	+
TDT	Details of transport			M1		!
CDI	Physical or logical state			R1	-----	+

TDT DETAILS OF TRANSPORT

-----

Function: To specify the mode of transport, the identification of the means of transport, and if necessary the Carrier information.

Usage : M1

Remarks : Identification such as vehicle licence plate number may be provided in C222 DE 8212 if the mode of transport is by road or maritime. Information provided here is actual, for example the actual licence plate of the vehicle.

Ref.	Rep.	Name	!	EDIFICE UTILISATION
-----+-----				
8051	an..3	M TRANSPORT STAGE QUALIFIER	!M!	'13' At destination
			!!	
8028	an..17	C CONVEYANCE REFERENCE NUMBER	!O!	Used for Flight or Voyage no.
			!!	
C220		C MODE OF TRANSPORT	!A!	
8067	an..3	C Mode of transport, coded	!R!	See Note 1
8066	an..17	C Mode of transport	!X!	
			!!	
C228		C TRANSPORT MEANS	!X!	
8179	an..8	C Type of means of transport identification	!!	
8178	an..17	C Type of means of transport	!!	
			!!	
C040		C CARRIER	!O!	
3127	an..17	C Carrier identification	!A!	Mutually defined code
1131	an..3	C Code list qualifier	!X!	
3055	an..3	C Code list responsible agency, coded	!A!	See Note 2
			!!	
3128	an..35	C Carrier name	!D!	Used if no coded name
			!!	exchanged in DE 3127
8101	an..3	C TRANSIT DIRECTION, CODED	!X!	
			!!	
C401		C EXCESS TRANSPORTATION INFORMATION	!X!	
			!!	
8457	an..3	M Excess transportation reason, coded	!!	
8459	an..3	M Excess transportation responsibility, coded	!!	
7130	an..17	C Customer authorization number	!!	
			!!	
C222		C TRANSPORT IDENTIFICATION	!D!	
8213	an..9	C Id of means of transport identification	!X!	
			!!	
1131	an..3	C Code list qualifier	!X!	
3055	an..3	C Code list responsible agency, coded	!X!	
			!!	
8212	an..35	C Id of the means of transport	!R!	Vessel name or vehicle licence number
8453	an..3	C Nationality of means of transport, coded	!O!	Use ISO 3166 2 alpha code
			!!	
8281	an..3	C TRANSPORT OWNERSHIP, CODED	!X!	
-----+-----				

TDT DETAILS OF TRANSPORT (continued)

-----

Note 1: DE 8067 Mode of transport, coded  
The following codes are taken from the UN/ECE Recommendation  
No.19.  
'1' Maritime transport  
'2' Rail transport  
'3' Road transport  
'4' Air transport  
'5' Mail  
'6' Multimodal transport

Note 2: DE 3055 Code list responsible agency, coded  
'3' IATA (International Air Transport Association)  
'11' Lloyd's register of shipping  
'91' Assigned by seller or seller's agent  
'92' Assigned by buyer or buyer's agent  
'166' US, National Motor Freight Classification Association

CDI PHYSICAL OR LOGICAL STATE

Function: To indicate that an incorrect means of transportation was used.  
Usage : R1  
Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
7001 an..3	M PHYSICAL OR LOGICAL STATE	!M! '1' Upon receipt
C564	M PHYSICAL OR LOGICAL STATE	!M!
	INFORMATION	! !
7007 an..3	C Physical or logical state, coded	!R! '3' Wrong identification
1131 an..3	C Code list qualifier	!X!
3055 an..3	C Code list responsible agency, coded	!X!
7006 an..35	C Physical or logical state	!X!

SEGMENT GROUP 11  
-----

Function: A group of segments identifying equipment with which a problem  
has occurred.

Usage : D..10

Remarks : SG 11 should only be sent if there is a problem to report.  
At least one of SG12 or SG13 should also be present.

```
--- Segment Group 11 ----- D..10 -----+
EQD  Equipment details          M1                !
                                           !
--- Segment Group 12 ----- D..2  -----+ !
CDI  Physical or logical state   M1                ! !
INP  Parties to instruction      O..2 -----+ !
                                           !
--- Segment Group 13 ----- D..25 -----+ !
SEL  Seal number                 M1                ! !
CDI  Physical or logical state   M..2 -----+--+
```

EQD EQUIPMENT DETAILS  
-----

Function: To identify a unit of equipment, e.g. container.  
Usage : M1  
Remarks : In general, equipment is supplied by the haulier/carrier.

Ref.	Rep.	Name	! EDIFICE UTILISATION
-----+-----			
			! !
8053	an..3	M EQUIPMENT QUALIFIER	!M! See Note 1
			! !
C237		C EQUIPMENT IDENTIFICATION	!A!
8260	an..17	C Equipment identification	!R!
		number	! !
1131	an..3	C Code list qualifier	!X!
3055	an..3	C Code list responsible	!X!
		agency, coded	! !
3207	an..3	C Country,coded	!X!
			! !
C224		C EQUIPMENT SIZE AND TYPE	!X!
8155	an..10	C Equipment size and type	! !
		identification	! !
1131	an..3	C Code list qualifier	! !
3055	an..3	C Code list responsible	! !
		agency, coded	! !
8154	an..35	C Equipment size and type	! !
			! !
8077	an..3	C EQUIPMENT SUPPLIER, CODED	!X!
			! !
8249	an..3	C EQUIPMENT STATUS, CODED	!X!
			! !
8169	an..3	C FULL/EMPTY INDICATOR,	!X!
		CODED	! !
			! !
-----+-----			

Note 1: DE 8053 EQUIPMENT QUALIFIER  
'BPN' Box pallet non exchangeable  
'CN' Container  
'EFP' Exchangeable EUR flat pallet  
'PA' Pallet  
'TE' Trailer  
'UL' ULD (unit load device)

SG11

HEADER

SEGMENT GROUP 12  
-----

Function: A group of segments to report on the physical state of the  
identified equipment upon receipt and to give the appropriate  
instructions if needed.

Usage : D..2

Remarks :

```
--- Segment Group 12 ----- D..2 -----+
CDI Physical or logical state           M1           !
INP Parties to instruction              O..2 -----+
```

## CDI PHYSICAL OR LOGICAL STATE

-----

Function: To report the physical state of the equipment upon receipt.

Usage : M1

Remarks :

Ref.	Rep.	Name	!	EDIFICE UTILISATION
7001	an..3	M PHYSICAL OR LOGICAL STATE	!M!	'1' Upon receipt
C564		M PHYSICAL OR LOGICAL STATE INFORMATION	!M!	
7007	an..3	C Physical or logical state, coded	!R!	See Note 1
1131	an..3	C Code list qualifier	!X!	
3055	an..3	C Code list responsible agency, coded	!X!	
7006	an..35	C Physical or logical state	!X!	

Note 1: DE 7007 Physical or logical state, coded

'2' Missing

'3' Wrong identification

'4' Damaged

SG12

HEADER

INP PARTIES TO INSTRUCTION

-----

Function: To give instructions to correct the discrepancy reported in the CDI segment.

Usage : 0..2

Remarks :

Ref.	Rep.	Name	!	EDIFICE UTILISATION
-----	-----	-----	-----	-----
			!	!
C849		C PARTIES TO INSTRUCTION	!X!	
3301	an..17	M Party enacting instruction	!	!
		identification	!	!
3285	an..17	C Recipient of the instruction	!	!
		identification	!	!
			!	!
C522		C INSTRUCTION	!R!	
4403	an..3	M Instruction qualifier	!M!	'1' Action required
4401	an..3	C Instruction, coded	!R!	See Note 1
1131	an..3	C Code list qualifier	!X!	
3055	an..3	C Code list responsible	!X!	
		agency, coded	!	!
4400	an..35	C Instruction	!X!	
			!	!
C850		C STATUS OF INSTRUCTION	!X!	
4405	an..3	M Status, coded	!	!
3036	an..35	C Party name	!	!
			!	!
1229	an..3	C ACTION REQUEST/NOTIFICATION,	!X!	
		CODED	!	!
-----	-----	-----	-----	-----

Note 1: DE 4401 Instruction, coded  
'AG' Send replacement  
'AH' Pick-up

SG11

HEADER

SEGMENT GROUP 13  
-----

Function: A group of segments identifying a seal number and reporting anomalies.

Usage : D..25

Remarks :

```
--- Segment Group 13 ----- D..25 -----+
SEL Seal number                M1                !
CDI Physical or logical state  M..2 -----+
```

SG13

HEADER

SEL SEAL NUMBER  
-----

Function: To specify the seal number and its condition.  
Usage : M1  
Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
9308 an..10 M	SEAL NUMBER	! ! !M! ! !
C215	C SEAL ISSUER	!O!
9303 an..3 C	Sealing party, coded	!R! See Note 1
1131 an..3 C	Code list qualifier	!X!
3055 an..3 C	Code list responsible agency, coded	!X! ! !
9302 an..35 C	Sealing party	!X! ! !
4517 an..3 C	SEAL CONDITION, CODED	!X! ! !

Note 1: DE 9303 Sealing party, coded  
'CA' Carrier  
'CU' Customs  
'SH' Shipper

CDI PHYSICAL OR LOGICAL STATE

Function: To identify what was wrong with the seal.  
Usage : M..2  
Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
7001 an..3	M PHYSICAL OR LOGICAL STATE	!M! '1' Upon receipt
C564	M PHYSICAL OR LOGICAL STATE	!M!
	INFORMATION	!!
7007 an..3	C Physical or logical state, coded	!R! See Note 1
1131 an..3	C Code list qualifier	!X!
3055 an..3	C Code list responsible agency, coded	!X!
7006 an..35	C Physical or logical state	!X!

Note 1: DE 7007 Physical or logical state, coded  
'2' Missing  
'3' Wrong identification  
'4' Damaged

SEGMENT GROUP 16  
-----

Function: A group of segments used to provide details about the individual received items, packaging details, variances, receipt conditions and instructions.

Usage : D..9999

Remarks : There are different ways of using the CPS segment group depending on how you wish to present the details about the received items.

- The PACKAGE driven logic: the despatch is described package by package, according to the physical structure of the packaging hierarchy, starting from the outer packages ending with the inner packages. The contended items are identified at the lowest level of the packaging structure. There is a one to one relationship between the CPS and PAC segments.
- The PRODUCT driven logic: the despatch is described per product, all the packages containing one item being described, identified and associated to the corresponding item. There must be a one to one relationship between CPS and LIN segments.

It is recommended that users of this guide adopt the PACKAGE driven logic. See the EXAMPLE section of the guide on how to use this segment group.

Package identification numbers will be placed in the GIN segment in SG20.

Use of SG17 and SG22 are dependent on whether there are any discrepancies.

---	Segment Group 16	-----	D..9999	-----+
CPS	Consignment packing sequence	M1		!
				!
---	Segment Group 17	-----	D..10	-----+
PAC	Package	M1		!!
QVR	Quantity variances	D1		!!
				!!
---	Segment Group 18	-----	D1	-----+
PCI	Package identification	M1		!!!
				!!!
---	Segment Group 20	-----	D1	-----+
GIN	Goods identity number	M1		!!!!
				!!!!
---	Segment Group 21	-----	R..2	-----+
CDI	Physical or logical state	M1		!!!!
INP	Parties to instruction	O..2	-----+	!!!!

SG16

DETAIL

SEGMENT GROUP 16 (continued)

-----

---	Segment Group 22	-----	D..9999	-----+ !
LIN	Line item		M1	!!
QTY	Quantity		D1	!!
QVR	Quantity variances		D..3	!!
				!!
---	Segment Group 23	-----	O..2	-----+ !!
CDI	Physical or logical state		M1	!!!
INP	Parties to instruction		O..4	-----+ !!
				!!
---	Segment Group 26	-----	O..99	-----+ !!
GIN	Goods identity number		M1	!!!
				!!!
---	Segment Group 27	-----	R..2	-----+ !!!
CDI	Physical or logical state		M1	!!!!
INP	Parties to instruction		O..4	-----+ !!
				!!
---	Segment Group 28	-----	A..3	-----+ !!
RFF	Reference		M1	!!!
DTM	Date/time/period		D1	-----+ + + +

CPS CONSIGNMENT PACKING SEQUENCE

-----

Function: To identify the sequence in which physical packing is received in the consignment, e.g. boxes loaded onto a pallet.

Usage : M1

Remarks : DE 7166 is dependent on the usage of more than one packaging level, i.e. it will not be used if only one level of packing is being described.

Ref. Rep.	Name	! EDIFICE UTILISATION
7164 an..12 M	HIERARCHICAL ID NUMBER	!M! See Note 1
7166 an..12 C	HIERARCHICAL PARENT ID	!D! See Note 2
7075 an..3 C	PACKAGING LEVEL, CODED	!X!

Note 1: DE 7164 HIERARCHICAL ID NUMBER  
Sequential numbering is recommended. The number remains unique within the message.

Note 2: DE 7166 HIERARCHICAL PARENT ID  
Identifies the hierarchical link between packaging levels by containing the hierarchical Id (DE 7164) of the package at the higher level (its parent).

SG16

DETAIL

SEGMENT GROUP 17  
-----

Function: A group of segments identifying packaging, quantity variances,  
package identification, goods identity number, and receipt  
conditions.

Usage : D..10

Remarks : The QVR segment in SG17 is only used when there are  
variances between what actually arrived and what was  
indicated in the Despatch Advice message.  
SG18 is only used if the physical state of the packages  
needs to be reported.

---	Segment Group 17	-----	D..10	-----+
PAC	Package	M1		!
QVR	Quantity variances	D1		!
---	Segment Group 18	-----	D1	-----+ !
PCI	Package identification	M1		!!
---	Segment Group 20	-----	D1	-----+ !!
GIN	Goods identity number	M1		!!!
---	Segment Group 21	-----	R..2	-----+ !!!
CDI	Physical or logical state	M1		!!!!
INP	Parties to instruction	O..2	-----+--+--+	

PAC PACKAGE  
-----

Function: To report the number and type of identical packages which were received.

Usage : M1

Remarks : The term "received", used above, does not necessarily indicate that the goods have been accepted.  
If not applicable, use codes from another appropriate code set in combination with DE 1131/3055.

Ref. Rep.	Name	!	EDIFICE UTILISATION
		! !	
7224 n..8	C NUMBER OF PACKAGES	!R!	
		! !	
C531	C PACKAGING DETAILS	!X!	
7075 an..3	C Packaging level, coded	! !	
7233 an..3	C Packaging related information, coded	! !	
7073 an..3	C Packaging terms and conditions, coded	! !	
		! !	
C202	C PACKAGE TYPE	!R!	
7065 an..17	C Type of packages identification	!R!	See Note 1
		! !	
1131 an..3	C Code list qualifier	!D!	
3055 an..3	C Code list responsible agency, coded	! !	
7064 an..35	C Type of packages	!X!	
		! !	
C402	C PACKAGE TYPE IDENTIFICATION	!X!	
		! !	
7077 an..3	M Item description type, coded	! !	
		! !	
7064 an..35	M Type of packages	! !	
7143 an..3	C Item number type, coded	! !	
7064 an..35	C Type of packages	! !	
7143 an..3	C Item number type, coded	! !	
		! !	
C532	C RETURNABLE PACKAGE DETAILS	!X!	
		! !	
8395 an..3	C Returnable package freight payment responsibility, coded	! !	
		! !	
8393 an..3	C Returnable package load contents, coded	! !	
		! !	

## PAC PACKAGE (continued)

-----

Note 1: DE 7065 Type of packages identification  
The following codes are taken from the UN/ECE Recommendation  
No.21 (TDED 5.8).

'BE'	Bundle
'BG'	Bag
'BX'	Box
'CG'	Cage
'CT'	Carton
'CS'	Case
'CR'	Crate
'DR'	Drum
'EN'	Envelope
'NE'	Unpacked or unpackaged
'PC'	Parcel
'PK'	Packages
'RL'	Reel
'SW'	Shrinkwrapped
'TU'	Tube

QVR QUANTITY VARIANCES

-----

Function: To specify any quantity variances between the received number of packages (specified in PAC segment) and the accepted and despatched quantity.

Usage : D1

Remarks : The variance is defined as follows:

Variance = Received quantity - Accepted or Despatched quantity.

Example: 80 despatched, 70 received (given in PAC, DE 7224), of which 65 were accepted.

Variance of received qty against despatched qty: 70 - 80 = -10 (10 short)

Variance of received qty against accepted qty: 70 - 65 = 5 (5 more)

Specified respectively by: QVR+-10:12'

QVR+5:194+AF' (the difference of 5 between received and accepted quantities is due to damaged units)

Ref.	Rep.	Name	!	EDIFICE UTILISATION
			!	!
C279		C QUANTITY DIFFERENCE INFORMATION	!R!	
6064 n..15	M	Quantity difference	!M!	See Note 1
6063 an..3	C	Quantity qualifier	!R!	See Note 2
			!	!
4221 an..3	C	DISCREPANCY, CODED	!O!	See Note 3
			!	!
C960		C REASON FOR CHANGE	!X!	
4295 an..3	C	Change reason, coded	!	!
1131 an..3	C	Code list qualifier	!	!
3055 an..3	C	Code list responsible agency, coded	!	!
4294 an..35	C	Change reason	!	!

Note 1: DE 6064 Quantity difference Specify here the actual variance quantity. As shown on the above examples a minus sign means that the received quantity is smaller than the quantity given in this data element.

Note 2: DE 6063 Quantity qualifier '12' Despatched quantity (as indicated in despatch advice/delivery note) '194' Received and accepted

Note 3: DE 4221 DISCREPANCY, CODED 'AC' Over-shipped 'AE' Delivered but not advised 'AF' Goods delivered damaged 'AG' Delivered too late 'CP' Shipment partial - considered complete, no backorder

SG17

HEADER

SEGMENT GROUP 18  
-----

Function: A group of segments specifying markings and labels and, if required, related anomalies.

Usage : D1

Remarks : SG20 is only used if it is necessary to indicate package identification numbers of those packages that require their physical state to be reported.

---	Segment Group 18	-----	D1	-----+
PCI	Package identification		M1	!
				!
---	Segment Group 20	-----	D1	----+ !
GIN	Goods identity number		M1	! !
				! !
---	Segment Group 21	-----	R..2	----+ ! !
CDI	Physical or logical state		M1	! ! !
INP	Parties to instruction		O..2	-----+--+

PCI PACKAGE IDENTIFICATION

Function: To indicate whether package markings are from the buyer or the seller.

Usage : M1

Remarks : The value entered in this segment is only used to enable access to the following segments within this segment group.

Ref.	Rep.	Name	! EDIFICE UTILISATION
4233	an..3	C MARKING INSTRUCTIONS, CODED	!R! See Note 1
C210		C MARKS & LABELS	!X!
7102	an..35	M Shipping marks	! !
7102	an..35	C Shipping marks	! !
7102	an..35	C Shipping marks	! !
7102	an..35	C Shipping marks	! !
7102	an..35	C Shipping marks	! !
7102	an..35	C Shipping marks	! !
7102	an..35	C Shipping marks	! !
7102	an..35	C Shipping marks	! !
8275	an..3	C CONTAINER/PACKAGE STATUS, CODED	!X!
C827		C TYPE OF MARKING	!X!
7511	an..3	M Type of marking, coded	! !
1131	an..3	C Code list qualifier	! !
3055	an..3	C Code list responsible agency, coded	! !

Note 1: DE 4233 MARKING INSTRUCTIONS, CODED  
'16' Buyer's instructions  
'17' Seller's instructions

SG18

DETAIL

SEGMENT GROUP 20  
-----

Function: A group of segments giving markings/identification numbers of  
the goods and, if required, the related anomalies.

Usage : D1

Remarks :

---	Segment Group 20	-----	D1	-----+
GIN	Goods identity number		M1	!
				!
---	Segment Group 21	-----	R..2	-----+
CDI	Physical or logical state		M1	!!
INP	Parties to instruction		O..2	-----++

GIN GOODS IDENTITY NUMBER  
-----

Function: To give the unique identification number of the package.

Usage : M1

Remarks : When using barcoding this information relates to the appropriate data identifiers that indicate Licence Plate. The first DE 7402 in the composite data element is the start of the consecutively numbered range, the second DE 7402 indicates the end of the range. If there is no range only the first DE 7402 is used. If the identity numbers are not sequential and part of a series (e.g. 1,3,10) then separate C208 and DE 7402 must be used for each identity number. The package identification numbers listed relate to those described in the Despatch Advice message.

Ref.	Rep.	Name	!	EDIFICE UTILISATION
-----				
			!	!
7405	an..3	M IDENTITY NUMBER QUALIFIER	!M!	'ML' Marking/label number
			!	!
C208		M IDENTITY NUMBER RANGE	!M!	
7402	an..35	M Identity number	!M!	
7402	an..35	C Identity number	!D!	
			!	!
C208		C IDENTITY NUMBER RANGE	!O!	
7402	an..35	M Identity number	!M!	
7402	an..35	C Identity number	!D!	
			!	!
C208		C IDENTITY NUMBER RANGE	!O!	
7402	an..35	M Identity number	!M!	
7402	an..35	C Identity number	!D!	
			!	!
C208		C IDENTITY NUMBER RANGE	!O!	
7402	an..35	M Identity number	!M!	
7402	an..35	C Identity number	!D!	
			!	!
C208		C IDENTITY NUMBER RANGE	!O!	
7402	an..35	M Identity number	!M!	
7402	an..35	C Identity number	!D!	
			!	!
-----				

SG20

DETAIL

SEGMENT GROUP 21  
-----

Function: A group of segments to report the physical state of the  
identified package upon receipt and to give the appropriate  
instructions if needed.

Usage : R..2

Remarks :

```
--- Segment Group 21 ----- R..2 ---+  
CDI Physical or logical state      M1      !  
INP Parties to instruction         O..2 -----+
```

CDI PHYSICAL OR LOGICAL STATE  
-----

Function: To report the physical state of the identified package upon receipt.

Usage : M1

Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
7001 an..3	M PHYSICAL OR LOGICAL STATE	!M! '1' Upon receipt
C564	M PHYSICAL OR LOGICAL STATE INFORMATION	!M! !!
7007 an..3	C Physical or logical state, coded	!R! See Note 1 !!
1131 an..3	C Code list qualifier	!X!
3055 an..3	C Code list responsible agency, coded	!X! !!
7006 an..35	C Physical or logical state	!X! !!

Note 1: DE 7007 Physical or logical state, coded  
 '2' Missing  
 '3' Wrong identification  
 '4' Damaged

INP PARTIES TO INSTRUCTION  
 -----

Function: To give instructions to correct the discrepancy reported in the  
 CDI segment.

Usage : O..2

Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
		! !
C849	C PARTIES TO INSTRUCTION	!X!
3301 an..17	M Party enacting instruction identification	! ! ! !
3285 an..17	C Recipient of the instruction identification	! ! ! !
C522	C INSTRUCTION	!R!
4403 an..3	M Instruction qualifier	!M! '1' Action required
4401 an..3	C Instruction, coded	!R! See Note 1
1131 an..3	C Code list qualifier	!X!
3055 an..3	C Code list responsible agency, coded	!X! ! !
4400 an..35	C Instruction	!X! ! !
C850	C STATUS OF INSTRUCTION	!X!
4405 an..3	M Status, coded	! !
3036 an..35	C Party name	! ! ! !
1229 an..3	C ACTION REQUEST/NOTIFICATION, CODED	!X! ! !

Note 1: DE 4401 Instruction, coded  
 'AG' Send replacement  
 'AH' Pick-up

SG16

DETAIL

SEGMENT GROUP 22  
-----

Function: A group of segments to provide details of the individual received items.  
Usage : D..9999  
Remarks : For each item corresponding to an occurrence of SG22, a line item number is required. The unique identification of the item may be provided in LIN C212, providing that it can be recognised by the receiver.

If an item has been delivered but not accepted it must be identified using a separate line item. In these cases the "received and accepted" quantities are zero. Such items might include unknown or not ordered products, excess deliveries, damaged goods, unacceptable product variants or batch numbers, different pack size, etc. Reason for the action is detailed in the QTY-QVR segments.

The QVR segment in SG22 should only be used if there are variances between what was received and either what was ordered, sent (as indicated in the Despatch Advice message), or accepted. Whenever the QVR segment is used then the QTY segment is needed.

--- Segment Group 22 -----		D..9999	-----+ !
LIN	Line item	M1	!
QTY	Quantity	D1	!
QVR	Quantity variances	D..3	!
--- Segment Group 23 -----		O..2	-----+ !
CDI	Physical or logical state	M1	!!
INP	Parties to instruction	O..4	-----+ !
--- Segment Group 26 -----		O..99	-----+ !
GIN	Goods identity number	M1	!!
--- Segment Group 27 -----		R..2	-----+ !!
CDI	Physical or logical state	M1	!!!
INP	Parties to instruction	O..4	-----+ !
--- Segment Group 28 -----		A..3	-----+ !
RFF	Reference	M1	!!
DTM	Date/time/period	D1	-----+ !

LIN LINE ITEM  
-----

Function: To specify the line item being described, and the part number agreed to be the primary reference number between the Buyer and Seller.

Usage : M1

Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
1082 n..6	C LINE ITEM NUMBER	!A! See Note 1
1229 an..3	C ACTION REQUEST/NOTIFICATION, CODED	!X!
C212	C ITEM NUMBER IDENTIFICATION	!R!
7140 an..35	C Item number	!R! See Note 2
7143 an..3	C Item number type, coded	!R! See Note 3
1131 an..3	C Code list qualifier	!X!
3055 an..3	C Code list responsible agency, coded	!O! See Note 4
C829	C SUB-LINE INFORMATION	!X!
5495 an..3	C Sub-line indicator, coded	!!
1082 n..6	C Line item number	!!
1222 n..2	C CONFIGURATION LEVEL	!X!
7083 an..3	C CONFIGURATION, CODED	!X!

Note 1: DE 1082 LINE ITEM NUMBER  
This number is assigned by the sender of the message. The first line item within a message will be numbered '1' and further line items will be incremented by '1' for each new line.

Note 2: DE 7140 Item number  
Use the primary part number. Other related numbers should be in the PIA segment.

Note 3: DE 7143 Item number type, coded  
'BP' Buyer's part number.  
'EN' International Article Numbering Association (EAN)  
'IN' Buyer's item number  
'MF' Manufacturer's (producer's) article number  
'SA' Supplier's article/item number  
'UP' UPC (Universal product code)  
'VP' Vendor's (seller's) part number

Note 4: DE 3055 Code list responsible agency, coded  
'9' EAN (International Article Numbering association)  
'16' DUNS (Dun & Bradstreet)  
'91' Assigned by seller or seller's agent  
'92' Assigned by buyer or buyer's agent

SG22

DETAIL

QTY QUANTITY  
-----

Function: To give the received quantity information about the product specified in the LIN segment.

Usage : D1

Remarks : Variances should be reported in the QVR segment. If there are variances then this QTY segment is needed.

Ref. Rep.	Name	! EDIFICE UTILISATION
-----+-----		
		! !
C186	M QUANTITY DETAILS	!M!
6063 an..3	M Quantity qualifier	!M! '48' Received quantity
6060 n..15	M Quantity	!M!
6411 an..3	C Measure unit qualifier	!O! See Note 1
		! !
-----+-----		

Note 1: DE 6411 Measure unit qualifier  
See UN/ECE Recommendation number 20, codes for units of measurement, 3 alpha code

QVR QUANTITY VARIANCES

Function: To identify quantity variances between the received quantity per item and expected quantity per item.

Usage : D..3

Remarks : The variance is defined as follows:

Variance = Received quantity (QTY code 48) - Quantity (qualified in this QVR)

Example: 100 units were ordered, 80 despatched, 70 received (given in previous QTY), of which 65 were accepted.

Variance of received qty against ordered qty: 70 - 100 = -30 (30 short)

Variance of received qty against despatched qty: 70 - 80 = -10 (10 short)

Variance of received qty against accepted qty: 70 - 65 = 5 (5 more)

Specified respectively by: QVR+-30:21'

QVR+-10:12'

QVR+5:194+AF' (the difference of 5 between received and accepted quantities is due to damaged units)

Ref. Rep.	Name	! EDIFICE UTILISATION
-----+-----		
		!!
C279	C QUANTITY DIFFERENCE INFORMATION	!R!
6064 n..15	M Quantity difference	!M! See Note 1
6063 an..3	C Quantity qualifier	!R! See Note 2
		!!
4221 an..3	C DISCREPANCY, CODED	!O! See Note 3
		!!
C960	C REASON FOR CHANGE	!X!
4295 an..3	C Change reason, coded	!!
1131 an..3	C Code list qualifier	!!
3055 an..3	C Code list responsible agency, coded	!!
4294 an..35	C Change reason	!!
-----+-----		

Note 1: DE 6064 Quantity difference  
Specify here the actual variance quantity.  
As shown on the above examples a minus sign means that the received quantity is smaller than the quantity given in this data element.

Note 2: DE 6063 Quantity qualifier  
'12' Despatched quantity (as indicated in despatch advice/delivery note)  
'21' Ordered quantity  
'194' Received and accepted

## QVR QUANTITY VARIANCES (continued)

-----

## Note 3: DE 4221 DISCREPANCY, CODED

'AC' Over-shipped

'AE' Delivered but not advised

'AF' Goods delivered damaged

'AG' Delivered too late

'CP' Shipment partial - considered complete, no backorder

SG22

DETAIL

SEGMENT GROUP 23  
-----

Function: A group of segments to report the physical state of the product  
          given in the LIN segment upon receipt and to give the  
          appropriate instructions.

Usage : 0..2

Remarks :

---	Segment Group 23	-----	0..2	-----+
CDI	Physical or logical state		M1	!
INP	Parties to instruction		0..4	-----+

SG23

DETAIL

CDI PHYSICAL OR LOGICAL STATE

-----

Function: To report the physical state of the product upon receipt.

Usage : M1

Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
7001 an..3	M PHYSICAL OR LOGICAL STATE	! ! ! ! ! ! '1' Upon receipt
C564	M PHYSICAL OR LOGICAL STATE	! !
	INFORMATION	! !
7007 an..3	C Physical or logical state, coded	! ! ! ! See Note 1
1131 an..3	C Code list qualifier	! X!
3055 an..3	C Code list responsible agency, coded	! X! ! !
7006 an..35	C Physical or logical state	! X! ! !

Note 1: DE 7007 Physical or logical state, coded  
 '2' Missing  
 '3' Wrong identification  
 '4' Damaged

SG23

DETAIL

INP PARTIES TO INSTRUCTION

-----

Function: To give instructions to correct the discrepancy reported in the CDI segment.

Usage : 0..4

Remarks :

Ref.	Rep.	Name	!	EDIFICE UTILISATION
-----	-----	-----	-----	-----
			!	!
C849	C	PARTIES TO INSTRUCTION	!X!	
3301 an..17	M	Party enacting instruction	!	!
		identification	!	!
3285 an..17	C	Recipient of the instruction	!	!
		identification	!	!
			!	!
C522	C	INSTRUCTION	!R!	
4403 an..3	M	Instruction qualifier	!M!	'1' Action required
4401 an..3	C	Instruction, coded	!R!	See Note 1
1131 an..3	C	Code list qualifier	!X!	
3055 an..3	C	Code list responsible	!X!	
		agency, coded	!	!
4400 an..35	C	Instruction	!X!	
			!	!
C850	C	STATUS OF INSTRUCTION	!X!	
4405 an..3	M	Status, coded	!	!
3036 an..35	C	Party name	!	!
			!	!
1229 an..3	C	ACTION REQUEST/NOTIFICATION,	!X!	
		CODED	!	!
-----	-----	-----	-----	-----

Note 1: DE 4401 Instruction, coded  
 'AA' Send credit note  
 'AE' Change invoice  
 'AG' Send replacement  
 'AH' Pick-up

SG22

DETAIL

SEGMENT GROUP 26

-----

Function: A group of segments giving goods identification numbers and  
related anomalies.

Usage : 0..99

Remarks :

---	Segment Group 26	-----	0..99	-----+
GIN	Goods identity number	M1		!
				!
---	Segment Group 27	-----	R..2	-----+ !
CDI	Physical or logical state	M1		!!
INP	Parties to instruction	O..4	-----	+--+

## GIN GOODS IDENTITY NUMBER

Function: To specify identity numbers of goods received or missing.

Usage : M1

Remarks : The first DE 7402 in the composite element is the start of the consecutively numbered range, the second DE 7402 indicates the end of the range. If there is no range only the first DE 7402 is used.

If the identity numbers are not sequential and part of a series (e.g. 1,3,and 10) then a separate C208 and DE 7402 must be used for each identity number.

Ref.	Rep.	Name	!	EDIFICE UTILISATION
			!	!
7405	an..3	M IDENTITY NUMBER QUALIFIER	!M!	See Note 1
			!	!
C208		M IDENTITY NUMBER RANGE	!M!	
7402	an..35	M Identity number	!M!	
7402	an..35	C Identity number	!D!	
			!	!
C208		C IDENTITY NUMBER RANGE	!O!	
7402	an..35	M Identity number	!M!	
7402	an..35	C Identity number	!D!	
			!	!
C208		C IDENTITY NUMBER RANGE	!O!	
7402	an..35	M Identity number	!M!	
7402	an..35	C Identity number	!D!	
			!	!
C208		C IDENTITY NUMBER RANGE	!O!	
7402	an..35	M Identity number	!M!	
7402	an..35	C Identity number	!D!	
			!	!
C208		C IDENTITY NUMBER RANGE	!O!	
7402	an..35	M Identity number	!M!	
7402	an..35	C Identity number	!D!	
			!	!

Note 1: DE 7405 IDENTITY NUMBER QUALIFIER  
 'BN' Serial number  
 'BX' Batch number

SG26

DETAIL

SEGMENT GROUP 27  
-----

Function: A group of segments to report receiving conditions and provide instructions related to the identified goods.

Usage : R..2

Remarks :

--- Segment Group 27 ----- R..2 -----+  
CDI Physical or logical state M1 !  
INP Parties to instruction O..4 -----+

SG27

DETAIL

CDI PHYSICAL OR LOGICAL STATE

-----

Function: To report the receiving condition for the identified goods.  
Usage : M1  
Remarks :

Ref. Rep.	Name	!	EDIFICE UTILISATION
7001 an..3	M PHYSICAL OR LOGICAL STATE	!M!	'1' Upon receipt
C564	M PHYSICAL OR LOGICAL STATE	!M!	
	INFORMATION	!!	
7007 an..3	C Physical or logical state, coded	!R!	See Note 1
1131 an..3	C Code list qualifier	!X!	
3055 an..3	C Code list responsible agency, coded	!X!	
7006 an..35	C Physical or logical state	!X!	

Note 1: DE 7007 Physical or logical state, coded  
'2' Missing  
'3' Wrong identification  
'4' Damaged

SG27

DETAIL

INP PARTIES TO INSTRUCTION

-----

Function: To give instructions to correct the discrepancy reported in the CDI segment.

Usage : 0..4

Remarks :

Ref.	Rep.	Name	!	EDIFICE UTILISATION
			!	!
C849	C	PARTIES TO INSTRUCTION	!X!	
3301 an..17	M	Party enacting instruction identification	! !	
3285 an..17	C	Recipient of the instruction identification	! !	
C522	C	INSTRUCTION	!R!	
4403 an..3	M	Instruction qualifier	!M!	'1' Action required
4401 an..3	C	Instruction, coded	!R!	See Note 1
1131 an..3	C	Code list qualifier	!X!	
3055 an..3	C	Code list responsible agency, coded	! !	
4400 an..35	C	Instruction	!X!	
C850	C	STATUS OF INSTRUCTION	!X!	
4405 an..3	M	Status, coded	! !	
3036 an..35	C	Party name	! !	
1229 an..3	C	ACTION REQUEST/NOTIFICATION, CODED	!X!	

Note 1: DE 4401 Instruction, coded  
 'AA' Send credit note  
 'AE' Change invoice  
 'AG' Send replacement  
 'AH' Pick-up

SG22

DETAIL

SEGMENT GROUP 28  
-----

Function: A group of segments giving references relevant to the line item.  
Usage : A..3

Remarks : If a reference applies to the whole document or to all line items it should be sent at the header level (SG 1).  
Where the document reference differs by line then use only this Segment Group. This Segment Group should not be used to override SG 1.  
If the line number of the referenced document needs to be specified, both document and line number are specified in RFF of SG28 even if the document number applies to the whole message. In this case the reference number may appear in both SG 1 and SG28.  
The DTM segment must be sent where local law requires a date or expiry date of a reference document to be sent.

---	Segment Group	28	-----	A..3	-----	+
RFF	Reference			M1		!
DTM	Date/time/period			D1	-----	+

## RFF REFERENCE

-----

Function: To specify any references associated with the current line item.

Usage : M1

Remarks : Where references do not apply to the whole message they must appear here.

When the Order Number is being referenced at the header level it may be referenced again here if the order line number needs to be indicated.

Ref. Rep.	Name	! EDIFICE UTILISATION
-----+-----		
		! !
C506	M REFERENCE	!M!
1153 an..3	M Reference qualifier	!M! See Note 1
1154 an..35	C Reference number	!R! As specified in DE 1153
1156 an..6	C Line number	!O! See Note 2
4000 an..35	C Reference version number	!X!
-----+-----		

Note 1: DE 1153 Reference qualifier

'IV' Invoice number

'ON' Order number (purchase)

'VN' Order number (vendor)

Note 2: DE 1156 Line number

To hold the line number within the referenced document identified in the RFF segment (DE 1154). That is the case when DE 1153 = 'ON'.

DTM DATE/TIME/PERIOD  
-----

Function: To indicate the date of the reference specified in the  
previous RFF segment, e.g. date of referenced purchase order.

Usage : D1

Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
C507	M DATE/TIME/PERIOD	!!
2005 an..3	M Date/time/period qualifier	!M! '171' Reference date/time !!
2380 an..35	C Date/time/period	!R!
2379 an..3	C Date/time/period format qualifier	!R! See Note 1 !!

Note 1: DE 2379 Date/time/period format qualifier  
 '101' YYMMDD  
 '102' CCYYMMDD  
 '201' YYMMDDHHMM  
 '203' CCYYMMDDHHMM

UNT MESSAGE TRAILER

-----  
Function: To end and check the completeness of a message.  
Usage : M1  
Remarks :

Ref. Rep.	Name	! EDIFICE UTILISATION
0074 n..6	M NUMBER OF SEGMENTS IN A MESSAGE	! ! !M! See note 1 ! !
0062 an..14	M MESSAGE REFERENCE NUMBER	!M! See note 2 ! !

Note 1: DE 0074 NUMBER OF SEGMENTS IN A MESSAGE  
Count of all segments in the message, UNH and UNT included.

Note 2: DE 0062 MESSAGE REFERENCE NUMBER  
Must be the same reference number as in DE 0062 of the UNH  
segment of this message.

EXAMPLES

-----

The following examples provide help on how to use this message:-

Example 1 - An example of a complete Receiving Advice response to a Despatch Advice based on the actual receipt. The example Despatch Advice is taken from the Despatch Advice message guide.

Example 2 - An example of a response indicating that there are no discrepancies.

Example 3 - Use of the Cancellation and Replace options.

EXAMPLE 1

The following example is based on the example 4 found in the Despatch Advice (DESADV) message guide (Issue 4).

The example is reproduced here with an example of a possible Receiving Advice response based on the following receipt conditions:-

- The Packing List document is damaged and difficult to read
- Vehicle licence number does not match number in DESADV
- The seal on the vehicle is damaged.
- Pallet 2 only contains 2 boxes instead of the 3 detailed in the DESADV.
- Pallet 1 is missing 50 items from box 1.

DESPATCH ADVICE EXAMPLE: Details of International shipment going by road. Seller has responsibility for the transport of goods.

The following example of a Despatch Advice message provides the description of a shipment of goods that have been despatched by the supplier of the goods, identified as Company A. The buyer of the goods is identified as Company B and the warehouse where the goods are to be delivered to is identified as Location B.

The Despatch Advice, reference number 93-5678ML, is sent on the 20th April 1993 at 14:50. The goods to be despatched are a complete shipment of the goods purchased on the 17th April 1993 according to the buyer's purchase order number PO505054. They are despatched on the 20th April at 14:30 and are expected to arrive the next day at 12:00.

The Despatch Advice refers to a shipment of goods containing 2 pallets, each pallet uniquely identified by a bar coded serial shipping code.

The first pallet is identified by a package ID number ABCXXX90 and contains 3 cartons of the product identified by the number ABCDE-AA, each carton containing a number of units. The pallet is a standard 800mm x 1200mm pallet with a gross weight of 263.2 kilograms.

The second pallet has an ID number of ABCXXX91 and has a mixed product load; 1 carton of product 12345-AA, and 2 cartons of product 67890-AB. The pallet has the same dimensions as the first one with a gross weight of 305.1 kilograms.

Each of the cartons have their own associated bar-coded Package ID number.

A contact code is given for Company A along with a telephone number.

EXAMPLE 1 (continued)

The Despatch Advice describes the shipment as being composed of two pallets, providing for each pallet a description of the type of pallet in terms of dimensions and weight, as well as the pallet's unique identity number (serial shipping container code). The contents of each pallet is then described in terms of the despatch units it contains including the package serial number.

The following example uses PACKAGE related logic i.e. there is a one to one relationship between the CPS and PAC segments.

```
+-----+
! Supplier !      INFORMATION FLOW      ! Buyer  !
! Company A!----->! Company B!
+-----+
!              EDI Despatch Advice
!              93-5678ML
!              Sent 20-4-93 at 14:50
!              Company A contact John Smith.
!              telephone no. 883306
+-----+
! Shipment Reference:
!   PO number = PO505054
!   +-----+
!   ! x 500 !      ABCDE-AA
!   +-----+
!   +-----+-----+
!   ! x 500 !! x 250 !
!   +-----+-----+
!   +-----+-----+      PHYSICAL FLOW
!   Pallet 1 800 x 1200mm
!   Package ID Number = ABCXXX90
!   Carton ID's = ABCXXXA to ABCXXXC
!   Gross weight 263.2 kgs
!
!   +-----+
!   ! x 50 !      12345-AA
!   +-----+
!   +-----+-----+
!   ! x 100 !! x 100 ! 67890-AB
!   +-----+-----+
!   Pallet 2 800 x 1200mm
!   Package ID Number = ABCXXX91
!   Carton ID's = ABCXXXA1 to ABCXXXA3
!   Gross weight 305.1 kgs
!
!
+-----+
! Buyer's
! warehouse
! Location B
!
+-----+
Reception of Goods:
Despatched 20-4-93 at 14:30
Est Arrival 21-4-93 at 12:00
```

EXAMPLE 1 (continued)

UNH+1+RECADV:D:96A:UN:ED1' - Message Header

Header Section

BGM+352+93-777777+9'	- Receipt number 93-777777
DTM+137:199304211450:203'	- Date/time of receiving advice
DTM+50:199304211100:203'	- Goods receipt date and time
RFF+AAK:93-5678ML'	- Despatch Advice number
RFF+ON:PO505054'	- Purchase Order number
DTM+171:19930417:102'	- Date of PO
DOC+271'	- Packing list
CDI+1+4'	- Damaged
INP++1:AG'	- Send replacement
NAD+CN+COMPANYA::91'	- Consignor (sender of goods)
NAD+CZ+COMPANYB::91'	- Consignee (receiver of goods)
TDT+13+++++:::H1235 CFD'	- At destination vehicle licence plate
CDI+1+3'	- Licence plate incorrect.
EQD+TE'	- Trailer
SEL+ABCD123456+CU'	- Trailer seal no. assigned by Customs
CDI+1+4'	- Indicates seal is damaged

Detail Section

CPS+1'	- 1st unit load
PAC+1++SW'	- Unit load is shrinkwrapped
PCI+17'	- Labels/ID's supplied by seller
GIN+ML+ABCXXX90'	- Unit identification
CPS+2+1'	- Second level of description
PAC+1++BX'	- 1st box, 1st unit load
PCI+17'	- Labels/ID's supplied by seller
GIN+ML+ABCXXXA'	- Package ID of box
LIN+1++ABCDE-AA:SA::91'	- First line item
QTY+48:450'	- 450 x ABCDE-AA received
QVR+-50:12'	- Variance of 50 against despatched number
CDI+1+2'	- Items missing
INP++1:AE'	- Change invoice
CPS+3'	- 2nd unit load
PAC+2++BX'	- Pallet contains 2 boxes
QVR+-1:12'	- Variance of 1 vs despatched quantity
UNT+34+1'	- Message Trailer

EXAMPLE 2 - Indicating that there are no discrepancies.

UNH+1+RECADV:D:96A:UN:ED1' - Message Header

Header Section

BGM+352+93-777777+9' - Receipt number 93-777777  
DTM+137:199304211450:203' - Date/time of receiving advice  
DTM+50:199304211100:203' - Goods receipt date and time  
RFF+AAK:93-5678ML' - Despatch Advice number  
NAD+CN+COMPANYA::91' - Consignor (sender of goods)  
NAD+CZ+COMPANYB::91' - Consignee (receiver of goods)  
  
UNT+8+1' - Message Trailer

EXAMPLE 3 - Use of Cancellation and Replace options

CANCELLATION

UNH+1+RECADV:D:96A:UN:ED1' - Message Header  
  
BGM+352+93-777777+1' - Receipt Advice 93-777777 cancelled.  
DTM+137:199304211450:203' - Date/time of receiving advice  
NAD+CN+COMPANYA::91' - Consignor (sender of goods)  
NAD+CZ+COMPANYB::91' - Consignee (receiver of goods)  
  
UNT+6+1' - Message Trailer

REPLACE

In this example the Seal and Vehicle licence information has been omitted.

UNH+1+RECADV:D:96A:UN:ED1' - Message Header  
  
BGM+352+93-777777+5' - Replace previous RECADV with this.  
DTM+137:199304211450:203' - Date/time of receiving advice  
DTM+50:199304211100:203' - Goods receipt date and time  
RFF+AAK:93-5678ML' - Despatch Advice number  
RFF+ON:PO505054' - Purchase Order number  
DTM+171:19930417:102' - Date of PO  
DOC+271' - Packing list  
CDI+1+4' - Damaged  
INP++1:AG' - Send replacement  
NAD+CN+COMPANYA::91' - Consignor (sender of goods)  
NAD+CZ+COMPANYB::91' - Consignee (receiver of goods)

Detail Section (As in example 1)

UNT+30+1' - Message Trailer