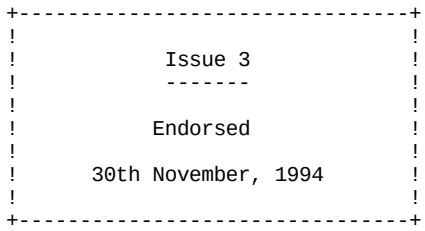

EDIFICE UTILISATION

OF THE

EDIFACT - DESADV MESSAGE

(DESPATCH ADVICE MESSAGE)

Notwithstanding the fact that the utmost care has been observed in the collecting, drawing up and formulating of data, EDIFICE can under no circumstances be held liable for errors, omissions or misinterpretations as a result of the information compiled in the guidelines.

EDIFICE
Electronic Data Interchange Forum for companies
with Interests in Computing and Electronics
c/o ADC-Admin
Tiensestraat 2
B-3320 Hoegaarden
Belgium
Tel: +32 16 76 54 40
Fax: +32 16 76 53 58
Internet: Dora.Cresens@pophost.eunet.be

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INTRODUCTION

This guide was developed by members of the Electronics Industry through the associations representing Europe (EDIFICE), Japan (EIAJ) and the USA (EIDX). It represents the joint requirements of these associations and is the first joint issue of this Despatch Advice (DESADV) message.

COMPARISON TO PREVIOUS ISSUE

For EDIFICE member companies this guide replaces the previously endorsed EDIFICE DESADV guide - Issue 2, 22/6/93.

This issue includes the following changes to the previously endorsed guide.:-

Inclusion of the business scenario where the Seller indicates to the Buyer that goods are ready to be collected.

Provision for the sender of the message to indicate to the receiver that the goods being sent are Returns.

To accommodate scenarios where information pertaining to the goods and or the transport of the goods may change after the initial message has been sent. The 'cancellation' and 'replace' options have been added.

The Terms of Delivery segment group (TOD-LOC) has been added to allow either confirmation of the terms of delivery, or to indicate a change in the method of payment for the transport charges.

A reference segment (RFF) has been included below the NAD segment to allow company specific references to be identified, such as VAT registration numbers.

Date segments (DTM) have been included below the RFF segment groups 1 and 16 to indicate the date/time of the referenced document.

FUNCTIONAL DEFINITION

The Despatch Advice is defined as a logistics transaction message sent by the consignor and is intended to advise the consignee of the despatch of goods and the detailed contents of the consignment, to enable the receiving location to control the incoming material flow.

The message relates to a single despatch point and a single destination point, with one set of delivery terms. It may cover a number of different items or packages.

The Despatch Advice message relates to one buyer and one seller. It should always be sent by the seller to the buyer before the goods are physically delivered. This makes it possible for the buyer to know when the goods have been despatched, or will be despatched, and use the data to prepare efficiently for the reception of the goods. The message can also be used by the Seller to indicate to the Buyer that the goods are ready to be collected (an EXWORKS trade scenario), or if the goods are Returns.

The Despatch Advice message holds precise details of the shipment.

Each unit delivered e.g. pallet, carton, should be uniquely identified. In the Despatch Advice message, the products contained in each uniquely identified unit are described. When the goods are received, the physical shipment and the electronic message can be cross-checked e.g. by barcode scanning. Discrepancies can be immediately identified, and these may be transmitted back to the seller by use of the Receiving Advice (RECADV) message.

The message enables a hierarchical description of the shipment, starting with the highest level (shipment) and ending with the lowest level (items). One can for example describe a container comprising 5 pallets, a pallet being composed of several large despatch units which themselves contain smaller despatch units. The traded units (any level of packaging agreed by the trading partners) are then specified. It is however not mandatory to describe the hierarchical structure of the shipment. As such, the simplest use of the message consists of specifying the items to be despatched, or collected, and the relevant information per item such as quantity and description. Please refer to the examples at the back of this document.

Additional principles that apply to the Despatch Advice message are:-

* Part numbers are used to identify the product that is being despatched. Where this is not sufficient, the part must be identified by providing a clear description.

* References pertaining to the goods are specified only at one level, normally within the detail section. Where the information is applicable to the whole despatch advice, it can be sent in the header section, in which case it should not be sent at the detail level.

FUNCTIONAL DEFINITION (continued)
---

* Total shipment weights, volume and number of unit loads should be specified in the header section of the message i.e. in the MEA segment below the BGM.

* Business practices reflect two possible ways of describing the contents of the shipment; by the physical packaging, or by the products (with package information related to each product). The physical packaging logic describes package per package starting from the outer packages and ending with the inner packages. The product(s) are identified at the lowest level of the packaging. The product logic describes per product (with related package information).
  It is recommended that users of this guide adopt the Package logic to describe the contents of the despatch advice.

* The segment groups, segments and data elements which are labelled with 'O' (optional) should be used only if the information they contain cannot be incorporated in the business or commercial agreements. The use of 'O' (optional) must be agreed between trading partners.

It is recognised that information pertaining to the goods and or the transport of the goods, may change after the initial message has been sent. Under the International Custom's Regulations - and subsequently the International Law's of Trade and Commerce - CHANGES (of the contents) of "Accountable Data and/or Documents" are prohibited. Instead, CANCELLATION (of the entire document) and REPLACEMENT (by a new document) are imperative. All Accountable Documents - including the cancelled ones - have to be safeguarded for a period of at least 5 years or longer, depending on national prescriptions.

To accommodate these scenarios, both 'replace' and 'cancellation' message types are catered for.

Cancellation: When this code is used in the BGM then only the BGM segment need be sent in the message. The document number used in data element 1004 must be the same as in the original message.

Replace: When using this code 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 data element 1004 must be the same as in the original message.

REFERENCES

UNSM Despatch Advice message (DESADV)
   Version 1, Release 921, Status 1, Date 92-09
EDIFACT STANDARD DATA SEGMENT DIRECTORY 92.1
EDIFACT CODE LIST 92.1
EDIFACT Service Segments, ISSUE 2
ISO 9735 : 1988 (E) EDIFACT - APPLICATION LEVEL SYNTAX RULES,
   FIRST EDITION : 1988-07-15
   AMENDED AND REPRINTED : 1990-11-15
ISO 3166 Codes for the representation of names of countries.
UN/ECE RECOMMENDATION No.5 : Incoterms 1990.
UN/ECE RECOMMENDATION No.16: UNLOCODE.
UN/ECE RECOMMENDATION No.20: Codes for Units of Measurement.
UN/ECE RECOMMENDATION No.21: Codes for Types of Cargo, Packages and
 Packaging Materials.
UNTDED 5.9 p2 CIMP

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.

EXPLANATORY NOTES continued:

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.

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)

Within this document references are made to 'Delivery instructions' Delivery instructions and Delivery schedule are to be looked at as being the same.

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

EXPLANATORY NOTES continued:

Where possible date and time formats used within the message should be consistent.

Recommendations on the usage of DE 2379 (date/time/period format qualifier are as follows:

DATE:
Using the convention C = Century, Y = Year, M = Month, D = Day, recommendation is to use code:

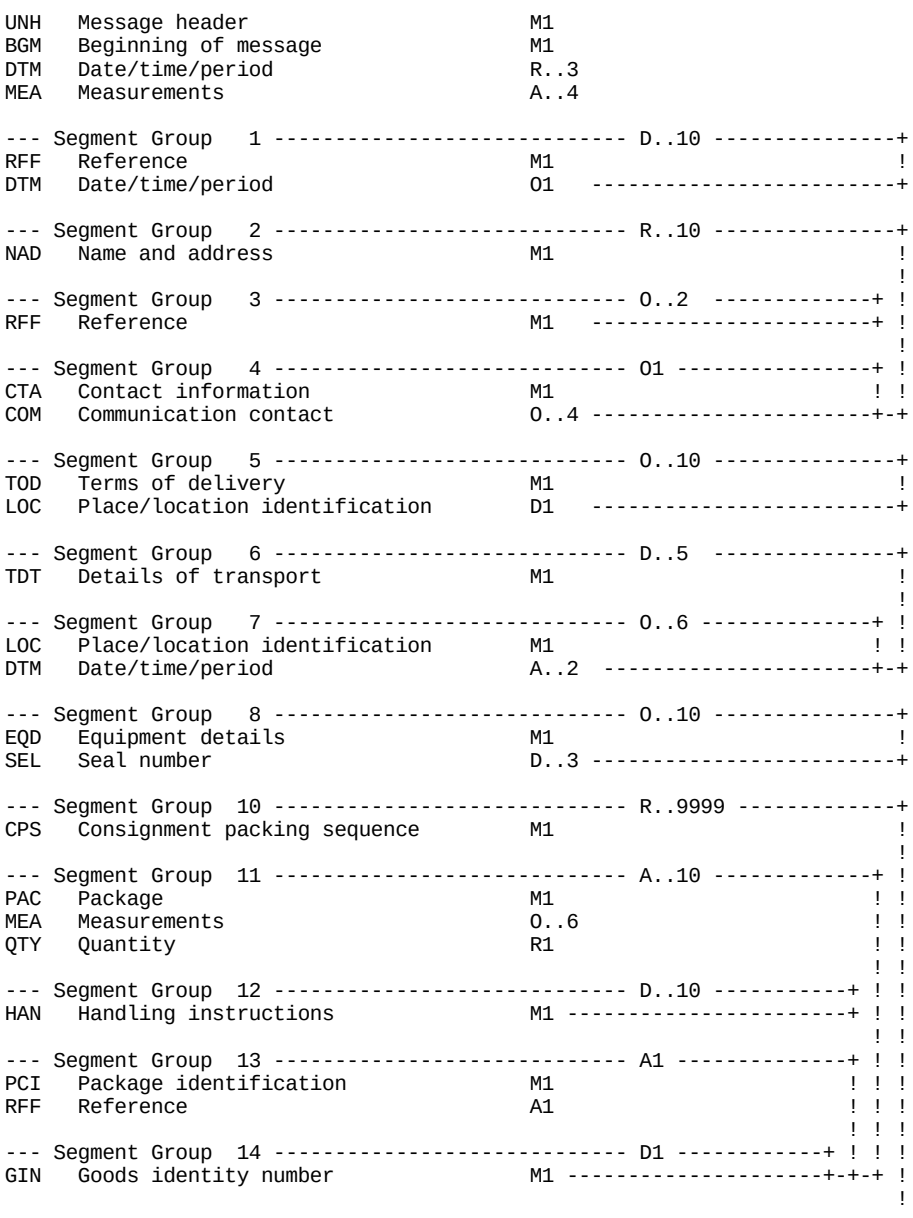
'102' CCYYMMDD (e.g. 19940120 for 20th January 1994)

DATE and TIME:
Using the above conventions and H = Hour, M = Minute, the recommended code and corresponding format for date and time are:

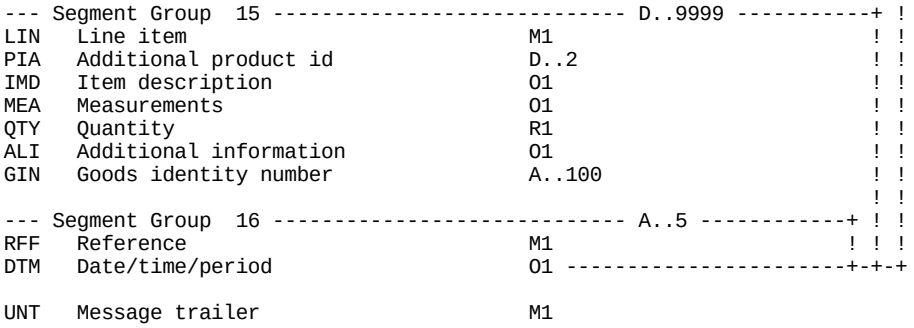
'203' CCYYMMDDHHMM (e.g. 199401201430, for 14:30 on 20th Jan 1994)

PERIOD:
The period formats for DE 2379 are not used. The recommendation is to indicate a period by repeating the DTM segment twice.
The first occurrence is for indicating a starting date (or date and time), the second occurrence for indicating an ending date (or date and time), as qualified by DE 2005.

MESSAGE DIAGRAM



MESSAGE DIAGRAM (continued)



UNH MESSAGE HEADER

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

Ref.	Rep.		Name	UTILISATION
0062	an..14	M	MESSAGE REFERENCE NUMBER	M See Note 1
S009		M	MESSAGE IDENTIFIER	M
0065	an..6	M	Message type identifier	M 'DESADV'
0052	an..3	M	Message type version number	M '1'
0054	an..3	M	Message type release number	M '921'
0051	an..2	M	Controlling agency	M 'UN'
0057	an..6	C	Association assigned code	R See Note 2
0068	an..35	C	COMMON ACCESS REFERENCE	X
S010		C	STATUS OF THE TRANSFER	X
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.

Note 2 DE 0057 Association assigned code
To identify the organisation/user group which has defined the subset. This is followed by the subset identification as defined by the organisation/user group.
E.g. EIVER2, where EI represents the World-wide Electronics Industry, and VER2 the 2nd issue of this guide.

BGM BEGINNING OF MESSAGE

Function: To indicate the beginning of the Despatch Advice message; the type of transaction being performed, and the function of the message. It is also used to transmit the shipment number.
Usage : M1
Remarks :

Ref.	Rep.		Name		UTILISATION
C002		C	DOCUMENT/MESSAGE NAME	R	
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	
1004	an..35	C	DOCUMENT/MESSAGE NUMBER	R	See Note 2
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
One value is required. The allowed values are:-
'345' Ready for despatch advice
Used in business scenarios where the Seller/Shipper indicates to the Buyer that the goods are ready to be collected i.e. EXWORKS trade terms.
'351' Despatch advice
'35R' Returns
Use this code until EDIFACT makes one available.

Note 2: DE 1004 DOCUMENT/MESSAGE NUMBER
The recommendation is that the Shipment Number be used to uniquely identify the Despatch Advice. The shipment number is a unique number, created by the supplying company, which will be used to identify the shipment from the supplier through to the receiving location's receipt validation step.

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 despatch advice.
Usage : R..3
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.
This segment is not required when a Cancellation is sent.

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

Note 1: DE 2005 Date/time/period qualifier
'137' Document/message date/time
(e.g. date of issue of the despatch advice.
This is a mandatory value.)
Please ensure that codes selected for use are compatible with the coded message type within DE1001 in BGM segment.
The following codes can be used with value '351' in DE1001:-
'11' Despatch date/time
'17' Delivery date/time, estimated
'132' Arrival date/time, estimated
Date/time when carrier estimates when a means of transport should arrive at port of discharge or place of destination.
'133' Departure date/time, estimated
Date/time when a carrier estimates that a means of transport should depart at the place of departure.
The following code should be used with value '345' in DE1001:-
'200' Pick-up/collection date/time of cargo
(used by the seller to indicate to the buyer when the goods can be collected from the seller's premises.)

Note 2: DE 2380 Date/time/period
Used to specify the date, preferably in the recommended format (CCYYMMDD)

Note 3: DE 2379 Date/time/period format qualifier
'101' YYMMDD
'102' CCYYMMDD
'201' YYMMDDHHMM
'203' CCYYMMDDHHMM

MEA MEASUREMENTS

Function: To specify weights, volume and quantity of shipment unit loads of the entire shipment.

Usage : A..4
Remarks :

Ref.	Rep.		Name		UTILISATION
6311	an..3	M	MEASUREMENT APPLICATION QUALIFIER	M	See Note 1
C502		C	MEASUREMENT DETAILS	R	
6313	an..3	C	Measurement dimension, coded	R	See Note 2
6321	an..3	C	Measurement significance, coded	X	
6155	an..3	C	Measurement attribute, coded	X	
C174		C	VALUE/RANGE	R	
6411	an..3	M	Measure unit qualifier	M	See Note 3
6314	n..18	C	Measurement value	R	
6162	n..18	C	Range minimum	X	
6152	n..18	C	Range maximum	X	
7383	an..3	C	SURFACE/LAYER INDICATOR, CODED	X	

Note 1: DE 6311 MEASUREMENT APPLICATION QUALIFIER
'CT' Counts
'VOL' Volumes
'WT' Weights

Note 2: DE 6313 MEASUREMENT DIMENSION, CODED
'AAC' Total net weight
'AAD' Total gross weight
'AAW' Gross volume
'SQ' Shipped quantity

Note 3: DE 6411 MEASURE UNIT QUALIFIER
'KGM' Kilogram
'MTQ' Cubic Metres
'NMP' Number of packs
'LBS' Pounds

SEGMENT GROUP 1

Function: A segment group for referencing documents and their dates relating to the whole Despatch Advice.
Usage : D..10
Remarks : Normally references are specified at the line item level. Where the information refers to the whole Despatch Advice it must be in Segment Group 1. Where the information is not the same in every line item (LIN) it must appear in every SG 16, and not here.

--- Segment Group 1		D..10	
RFF	Reference	M1	
DTM	Date/time/period	O1	

RFF REFERENCE

Function: Used for referencing a document related to the whole of the Despatch Advice.
Usage : M1
Remarks :

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

Note 1: DE 1153 REFERENCE QUALIFIER
'AWB' Air waybill number
'AAN' Delivery schedule number
'BM' Bill of lading number
'CMR' Road consignment note number
'CT' Contract number
'IP' Import license number
'ON' Order number (purchase)
'HWB' House waybill number
'IV' Invoice number
'PK' Packing list number
'VN' Order number (vendor)

DTM DATE/TIME/PERIOD

Function: Segment to indicate the date of the reference specified in the previous RFF segment, e.g. date of referenced purchase order.
Usage : O1
Remarks : All dates and times are local.
DE2005 may hold code '4' (order date/time) only when the reference number sent in the preceding RFF segment is qualified with 'ON' order number (purchase) or 'VN' order number (vendor).

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

Note 1: DE 2005 Date/time/period qualifier
'4' Order date/time
Use of this code is an EIDX requirement
'171' Reference date/time

Note 2: DE 2380 Date/time/period
Used to specify the date, preferably in the recommended format (CCYYMMDD)

Note 3: DE 2379 Date/time/period format qualifier
'101' YYMMDD
'102' CCYYMMDD
'201' YYMMDDHHMM
'203' CCYYMMDDHHMM

SEGMENT GROUP 2

Function: A group of segments identifying Names, Addresses, and Contacts relevant to the whole Despatch Advice.
Usage : R..10
Remarks : The address of the buyer (BY) and seller (SE) must be present. If the goods are being delivered by, or to a different party then they are represented as the consignor (CZ) and the consignee (CN), and the respective NADs must be present.

It is also possible that the address from which the shipment is actually made, or delivered to, is different to the address of the SE/CZ or the BY/CN. In this case NADs must be present for the 'ship from' (SF) and 'ship to' (DP) codes.

Where possible, only the coded form of the party ID should be specified, e.g. the buyer and seller are known to each other, thus only the coded ID is required. The consignee or delivery address may vary and would have to be clearly specified, preferably in structured format.

This segment group is not required when a Cancellation is sent.

--- Segment Group 2			R..10	
NAD	Name and address	M1		
--- Segment Group 3			O..2	
RFF	Reference	M1		
--- Segment Group 4			O1	
CTA	Contact information	M1		
COM	Communication contact	O..4		

NAD NAME AND ADDRESS

Function: To specify the identification/name/address of the parties involved in the Despatch Advice.
Usage : M1
Remarks : The recommended method of identifying a party is through the use of codes in C082. If C082 cannot be used, (through lack of codes or codes not sufficiently precise), it is recommended to use a structured address (C080 through 3207) rather than an unstructured one (C058).

Ref.	Rep.		Name		UTILISATION
3035	an..3	M	PARTY QUALIFIER	M	See Note 1
C082		C	PARTY IDENTIFICATION DETAILS	A	
3039	an..17	M	Party id identification	M	Code identifying the party
1131	an..3	C	Code list qualifier	O	
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 country code. e.g. BE Belgium.

NAD NAME AND ADDRESS (continued)

Note 1: DE 3035 PARTY QUALIFIER
'AA' Party to be billed
'AK' Acknowledgement recipient
'BS' Bill and ship to
'BY' Buyer
'CN' Consignee
'CZ' Consignor
'DP' Delivery party
This is the 'ship to' address.
'FW' Freight forwarder
'SF' Ship from
'SE' Seller

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

SEGMENT GROUP 3

Function: To give references only relevant to the specified party
rather than to the whole message.
Usage : O..2
Remarks :

--- Segment Group 4 ---------- O..2 ----------+
RFF Reference M1 ----------+

RFF REFERENCE

Function: The segment is used to identify company specific references
e.g. the VAT registration number of the party or company
registration number, when needed.
Usage : M1
Remarks :

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

Note 1: DE 1153 REFERENCE QUALIFIER
'VA' VAT registration number
'GN' Government reference number

SEGMENT GROUP 4

Function: To identify the people, functions, departments and appropriate numbers to whom communications should be directed.
Usage : O1
Remarks : The use of this segment group is strongly discouraged. Whilst realising the questionable value of exchanging such information it is accepted that some members may have agreed to do this in their Trading Partner Agreements and may wish to continue this practice.

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

CTA CONTACT INFORMATION

Function: To identify the person, function or department to whom communication should be directed.
Usage : M1
Remarks :

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

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

COM COMMUNICATION CONTACT

Function: To identify communication numbers of a department or a person to whom communication should be directed.
Usage : O..4
Remarks :

Ref.	Rep.	Name	UTILISATION
C076	M	COMMUNICATION CONTACT	M
3148	an..25 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

SEGMENT GROUP 5

Function: A group of segments indicating terms of delivery.
Usage : O..10
Remarks : To be used only if it is necessary to confirm the terms of delivery and the relevant location points, or to indicate a change in the method of payment for the transport charges.

--- Segment Group 5		O..10	
TOD	Terms of Delivery	M1	
LOC	Place/location identification	D1	

TOD TERMS OF DELIVERY

Function: To indicate the terms of delivery and transport charge method for the whole despatch advice.
Usage : M1
Remarks :

Ref.	Rep.		Name		UTILISATION
4055	an..3	C	TERMS OF DELIVERY FUNCTION, CODED	A	'6' Delivery condition
4215	an..3	C	TRANSPORT CHARGES METHOD OF PAYMENT, CODED	O	See Note 1
C100		C	TERMS OF DELIVERY	R	
4053	an..3	C	Terms of delivery, coded	R	See Note 2
1131	an..3	C	Code list qualifier	D	See Note 2
3055	an..3	C	Code list responsible agency, coded	D	See Note 2
4052	an..70	C	Terms of delivery	X	
4052	an..70	C	Terms of delivery	X	

Note 1: DE 4215 TRANSPORT CHARGES METHOD OF PAYMENT, CODED
'CC' Collect
A shipment on which freight charges will be paid by consignee.
'PC' Prepaid but charged to customer.
'PP' Prepaid (by seller)
'DF' Defined by buyer and seller

Note 2: DE 4053 Terms of delivery, coded
Use UN/ECE Recommendation No.5 Incoterms 1990 (See next table). If not applicable, use appropriate code set in combination with 1131/3055.

Incoterms code list:

Group E - Departure	EXW	Ex Works
Group F - Main carriage unpaid	FCA	Free carrier
	FAS	Free alongside ship
	FOB	Free on board
Group C - Main carriage paid	CFR	Cost and freight
	CIF	Cost, insurance and freight
	CPT	Carriage paid to
	CIP	Carriage and insurance paid to
Group D - Arrival	DAF	Delivered at frontier
	DES	Delivered ex ship
	DEQ	Delivered ex quay
	DDU	Delivered duty unpaid
	DDP	Delivered duty paid

LOC PLACE/LOCATION IDENTIFICATION

Function: To specify a location or place relevant to the TOD segment.
Usage : D1
Remarks : This segment is only used if the terms of delivery specified in the previous TOD segment require a named location/place for the terms of delivery ('F' & 'C').

Ref.	Rep.		Name		UTILISATION
3227	an..3	M	PLACE/LOCATION QUALIFIER	M	'1' Place of terms of delivery
C517		C	LOCATION IDENTIFICATION	R	
3225	an..25	C	Place/location identification	R	See Note 1
1131	an..3	C	Code list qualifier	O	
3055	an..3	C	Code list responsible agency, coded	R	See Note 2
3224	an..17	C	Place/location	X	
C519		C	RELATED LOCATION ONE IDENTIFICATION	X	
3223	an..25	C	Related place/location one identification		
1131	an..3	C	Code list qualifier		
3055	an..3	C	Code list responsible agency, coded		
3222	an..70	C	Related place/location one		
C553		C	RELATED LOCATION TWO IDENTIFICATION	X	
3233	an..25	C	Related place/location two identification		
1131	an..3	C	Code list qualifier		
3055	an..3	C	Code list responsible agency, coded		
3232	an..70	C	Related place/location two		
5479	an..3	C	RELATION, CODED	X	

Note 1: DE 3225 Place/location indentification
Use UN/ECE Recommendation No.16: UNLOCODE.
If not applicable, use appropriate code set in combination with 1131/3055.

Note 2: DE 3055 Code list responsible agency, coded
examples of codes are:-
'3' IATA (International Air Transport Association)
'91' Assigned by seller or seller's agent
'92' Assigned by buyer or buyer's agent

SEGMENT GROUP 6

Function: A segment group to specify the stage of the transport, details of the Carrier, the mode of transport, and identification of the transport.
Usage : D..5
Remarks : The segment group must be used if the shipment has occurred i.e. if the code used in the BGM is '351'. If the code used is '345' (ready for despatch) then this is an optional segment group. The segment group will be repeated for specifying the mode of transportation for successive stages e.g. road, air. When required, carrier identification and name may be given in TDT C040.

--- Segment Group 6			D..5	
TDT	Details of transport	M1		
--- Segment Group 7			O..5	
LOC	Place/location identification	M1		
DTM	Date/time/period	A..2		

SG 6 HEADER

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 : DE 8028 may be used to reference a current transport stage as identified in DE 8051, if this information is already known e.g. flight number.
Identification such as vehicle licence plate number may be provided in C222 DE 8212.

Ref.	Rep.		Name		UTILISATION
8051	an..3	M	TRANSPORT STAGE QUALIFIER	M	See Note 1
8028	an..17	C	CONVEYANCE REFERENCE NUMBER	A	Used for Flight or Voyage no.
C220		C	MODE OF TRANSPORT	R	
8067	an..3	C	Mode of transport, coded	R	See Note 2
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	A	
3127	an..17	C	Carrier identification	A	Mutually defined code
1131	an..3	C	Code list qualifier	O	
3055	an..3	C	Code list responsible agency, coded	A	See Note 3
3128	an..35	C	Carrier name	D	Used if no coded name exchanged
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	A	
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..17	C	Id of the means of transport	A	Vessel name or vehicle licence number.
8453	an..3	C	Nationality of means of transport, coded	O	Use ISO 3166 2 alpha country code e.g. BE Belgium.

TDT DETAILS OF TRANSPORT (continued)

Note 1: DE 8051 TRANSPORT STAGE QUALIFIER
'10' Pre-carriage transport
'12' At departure
'13' At destination
'20' Main-carriage transport
'30' On-carriage transport

Note 2: DE 8067 Mode of transport, coded
'10' Maritime
'20' Rail
'30' Road
'40' Air
'50' Mail
'60' Multimodal

Note 3: 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

SEGMENT GROUP 7

Function: A segment group to specify the location information applying to the transportation.
Usage : O..6
Remarks :

--- Segment Group 7		O..6	
LOC	Place/location identification	M1	
DTM	Date/time/period	A..2	

SG 7 HEADER

LOC PLACE/LOCATION IDENTIFICATION

Function: To identify the location.
Usage : M1
Remarks :

Ref.	Rep.		Name		UTILISATION
3227	an..3	M	PLACE/LOCATION QUALIFIER	M	See Note 1
C517		C	LOCATION IDENTIFICATION	R	
3225	an..25	C	Place/location identification	R	See Note 2
1131	an..3	C	Code list qualifier	O	
3055	an..3	C	Code list responsible agency, coded	R	See Note 3
3224	an..17	C	Place/location	X	
C519		C	RELATED LOCATION ONE IDENTIFICATION	X	
3223	an..25	C	Related place/location one identification		
1131	an..3	C	Code list qualifier		
3055	an..3	C	Code list responsible agency, coded		
3222	an..70	C	Related place/location one		
C553		C	RELATED LOCATION TWO IDENTIFICATION	X	
3233	an..25	C	Related place/location two identification		
1131	an..3	C	Code list qualifier		
3055	an..3	C	Code list responsible agency, coded		
3232	an..70	C	Related place/location two		
5479	an..3	C	RELATION, CODED	X	

Note 1: DE 3227 PLACE/LOCATION QUALIFIER
'5' Place of departure
'7' Place of delivery
'8' Place of destination
'13' Place of transhipment
'15' Place of transfer responsibility
'24' Port of entry

Note 2: DE 3225 Place/location identification
Use UN/ECE Recommendation No.16:UNLOCODE. If not applicable use appropriate code set in combination with 1131/3055.

Note 3: DE 3055 Code list responsible agency, coded
examples of codes are:-
'3' IATA (International Air Transport Association)
'91' Assigned by seller or seller's agent
'92' Assigned by buyer or buyer's agent

DTM DATE/TIME/PERIOD

Function: To specify a date/time of departure and/or arrival of the transported goods for the specific location.
Usage : A..2
Remarks : All dates and times are local to the place of the activity being described.

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

Note 1: DE 2005 Date/time/period qualifier
'11' Despatch date/time
'17' Delivery date/time, estimated
'132' Arrival date/time estimated
Date/time when carrier estimates when a means of transport should arrive at port of discharge or place of destination.
'133' Departure date/time, estimated
Date/time when a carrier estimates that a means of transport should depart at the place of departure.
'200' Pick-up/collection date/time of cargo

Note 2 DE 2380 Date/time/period
Used to specify the date, preferably in the recommended format (CCYYMMDD)

Note 3: DE 2379 Date/time/period format qualifier
'101' YYMMDD
'102' CCYYMMDD
'201' YYMMDDHHMM
'203' CCYYMMDDHHMM

SEGMENT GROUP 8

Function: To specify information relative to the material handling equipment used for the transportation of goods relevant to the whole despatch. This can be a trailer, body trailer, container etc.
Usage : O..10
Remarks : In general equipment is always supplied by the haulier/carrier, whereas package will always be supplied by the manufacturer of the item.

--- Segment Group 8		O..10	
EQD	Equipment details	M1	
SEL	Seal number	D..3	

EQD EQUIPMENT DETAILS

Function: To identify a unit of equipment, e.g. container.
Usage : M1
Remarks :

Ref.	Rep.		Name	!	UTILISATION
				! !	
8053	an..3	M	EQUIPMENT QUALIFIER	!M!	See Note 1
				! !	
C237		C	EQUIPMENT IDENTIFICATION	!O!	
8260	an..17	C	Equipment identification number	!R!	
1131	an..3	C	Code list qualifier	!O!	
3055	an..3	C	Code list responsible agency, coded	!O!	
				! !	
C224		C	EQUIPMENT SIZE AND TYPE	!O!	
8155	an..4	C	Equipment size and type identification	!O!	
1131	an..3	C	Code list qualifier	!O!	
3055	an..3	C	Code list responsible agency, coded	!O!	
8154	an..35	C	Equipment size and type	!O!	
				! !	
8077	an..3	C	EQUIPMENT SUPPLIER, CODED	!X!	
				! !	
8249	an..3	C	EQUIPMENT STATUS, CODED	!X!	
				! !	
8169	an..3	C	FULL/EMPTY INDICATOR, CODED	!X!	
				! !	

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

SEL SEAL NUMBER

Function: To specify a seal number and party responsible, related to equipment named in the EQD segment.
Usage : D..3
Remarks : This segment should be used if a seal has been placed on the equipment.

Ref.	Rep.		Name	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	O	
3055	an..3	C	Code list responsible agency, coded	O	
9302	an..17	C	Sealing party	O	

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

SEGMENT GROUP 10

Function: A group of segments providing details of all package levels and of the individual despatched items contained in the shipment. This group provides the capability to give the hierarchical packing relationship. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail part information.
Usage : R..9999
Remarks : Business practices can describe the contents of a despatch advice according to two main logics:

- The PACKAGE driven logic: the despatch advice is described package per 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.

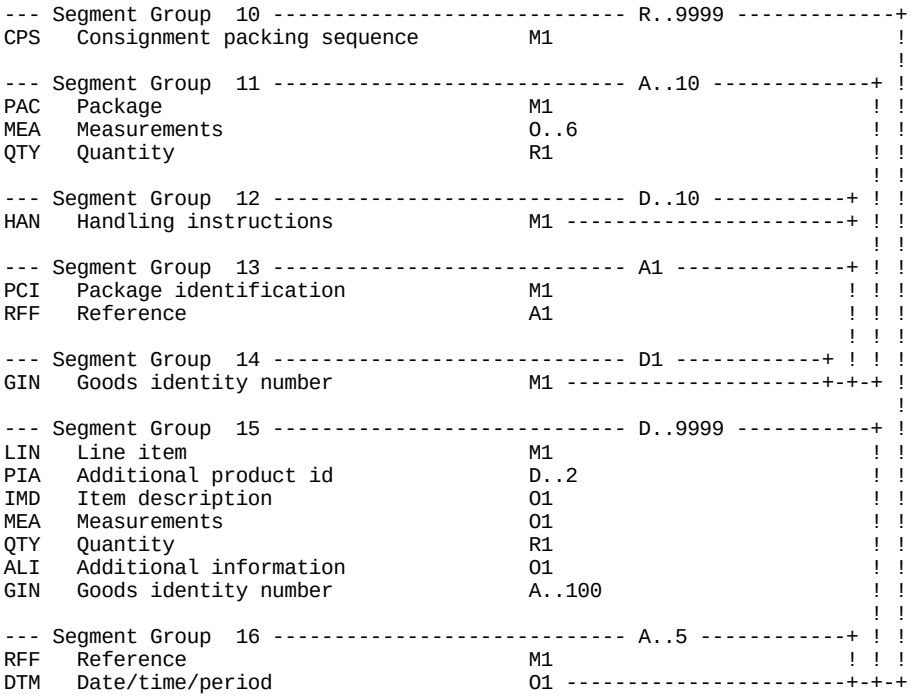
It is recommended that users of this guide adopt the PACKAGE driven logic. See the EXAMPLE section of the guide on how to use this segment group.

Package identification numbers will be placed in the GIN segment in segment group 14.

This segment loop is required at least once.

This segment group is not required when a Cancellation is sent.

SEGMENT GROUP 10



CPS CONSIGNMENT PACKING SEQUENCE

Function: To identify the sequence in which physical packing is presented in the consignment, e.g. boxes loaded onto a pallet.
Usage : M1
Remarks :

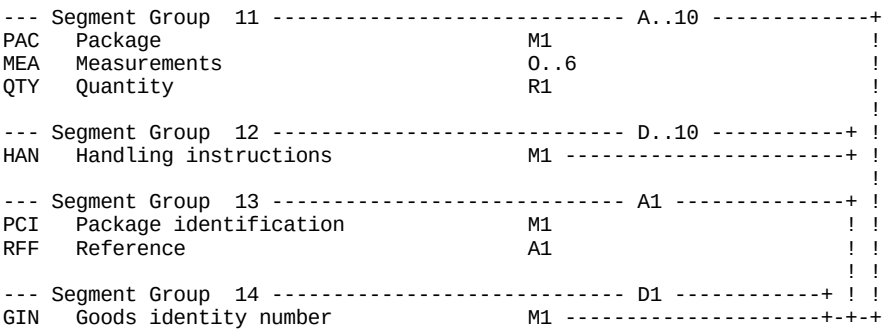
Ref.	Rep.		Name		UTILISATION
7164	an..12	M	HIERARCHICAL ID NUMBER	M	See Note 1
7166	an..12	C	HIERARCHICAL PARENT ID	D	See Note 2
7075	an..3	C	PACKAGING LEVEL, CODED	X	

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).
This DE 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.

SEGMENT GROUP 11

Function: A segment identifying packaging, physical dimensions, label numbers, and quantities.
Usage : A..10
Remarks : Use of this segment group is dependent on the trading partners agreement to describe the consignment by the packaging levels. While it is not mandatory to describe the hierarchical structure of the shipment, for a number of reasons (customs, insurance, etc.), it is advised to specify at least each unit delivered.



PAC PACKAGE

Function: For specifying the number and type of identical packages for given items, or of identical handling units of the despatch.
Usage : M1
Remarks :

Ref.	Rep.		Name		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..7	C	Type of packages identification	A	See Note 1
1131	an..3	C	Code list qualifier	O	
3055	an..3	C	Code list responsible agency, coded	D	See Note 2
7064	an..35	C	Type of packages	O	
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

Note 2: DE 3055 Code list responsible agency, coded
Only used if the UN/ECE Recommendation No.21 (TDED 5.8) is not used.

MEA MEASUREMENTS

Function: To specify physical measurements, including dimension and weights.
Usage : O..6
Remarks :

Ref.	Rep.		Name		UTILISATION
6311	an..3	M	MEASUREMENT APPLICATION QUALIFIER	M	See Note 1
C502		C	MEASUREMENT DETAILS	R	
6313	an..3	C	Measurement dimension, coded	R	See Note 2
6321	an..3	C	Measurement significance, coded	X	
6155	an..3	C	Measurement attribute, coded	X	
C174		C	VALUE/RANGE	R	
6411	an..3	M	Measure unit qualifier	M	See Note 3
6314	n..18	C	Measurement value	R	
6162	n..18	C	Range minimum	X	
6152	n..18	C	Range maximum	X	
7383	an..3	C	SURFACE/LAYER INDICATOR, CODED	X	

Note 1: DE 6311 MEASUREMENT APPLICATION QUALIFIER
'PD' Physical dimensions
Physical attributes of product in consignment.
'VOL' Volume
'WT' Weights

Note 2: DE 6313 MEASUREMENT DIMENSION, CODED
'AAW' Gross volume
'HT' Height dimension
'LN' Length dimension
'WD' Width dimension
'G' Gross weight
'N' Actual net weight
To be specified for the outer package.

Note 3: DE 6411 MEASURE UNIT QUALIFIER
'KGM' Kilogram
'MTQ' Cubic Metres
'MTR' Metre
'LBS' Pounds

QTY QUANTITY

Function: To specify the quantity of packages contained within the package being described.
Usage : R1
Remarks :

Ref.	Rep.		Name		UTILISATION
C186		M	QUANTITY DETAILS	M	
6063	an..3	M	Quantity qualifier	M	'52' Quantity per pack
6060	n..15	M	Quantity	M	
6411	an..3	C	Measure unit qualifier	X	

SEGMENT GROUP 12

Function: A segment group providing information for special handling
requirements e.g. for hazardous goods.
Usage : D..10
Remarks : This segment group is always used when the package contains
hazardous materials, and in other cases as appropriate.

--- Segment Group 12 ---------- D..10 ----------+
HAN Handling instructions M1 ----------+

HAN HANDLING INSTRUCTIONS

Function: To specify package handling and where necessary, give notification of hazardous material.
Usage : M1
Remarks :

Ref.	Rep.		Name		UTILISATION
C524		C	HANDLING INSTRUCTIONS	R	
4079	an..3	C	Handling instructions, coded	A	See Note 1
1131	an..3	C	Code list qualifier	O	
3055	an..3	C	Code list responsible agency, coded	A	See EDIFACT code list
4078	an..70	C	Handling instructions	O	
C218		C	HAZARDOUS MATERIAL	D	See Note 2
7419	an..4	C	Hazardous material class code, identification	R	See Note 3
1131	an..3	C	Code list qualifier	O	
3055	an..3	C	Code list responsible agency, coded	R	See EDIFACT code list

Note 1: DE 4079 HANDLING INSTRUCTIONS, CODED
Identification of the instructions on how specified goods, packages or containers should be handled. It is advised that only coded instructions be passed in the segment. (User or association defined code.) Use the relevant industry specific code, in combination with 1131/3055. See also UNTDED 5.9 p.2 CIMP.

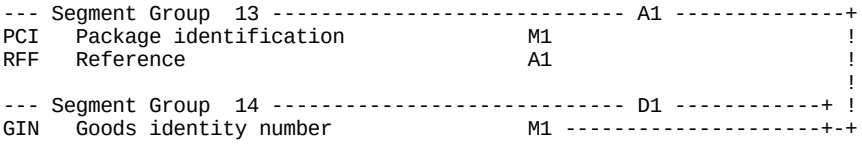
Note 2: DE C218 HAZARDOUS MATERIAL
This composite element must always be used where this information is a legal requirement.

Note 3: DE 7419 HAZARDOUS MATERIAL CLASS CODE, IDENTIFICATION
Code specifying the kind of hazard for a material. (Industry or association defined code.)

SEGMENT GROUP 13

Function: A group of segments specifying packaging identification numbers and associated reference document numbers.
Usage : A1
Remarks : If barcode labelling is used on the packaging it is recommended that the Packaging identification be one of the items barcoded.

When a unique package identification (license plate) exists, it is sent in the GIN segment (SG 14).



PCI PACKAGE IDENTIFICATION

Function: This segment carries no business information and is only used to access reference and package Id information.
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		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		
7102	an..35	C	Shipping marks		
7102	an..35	C	Shipping marks		
8275	an..3	C	CONTAINER/PACKAGE STATUS, CODED	X	

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

RFF REFERENCE

Function: To specify identifying numbers associated with the package.
Usage : A1
Remarks :

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

Note 1: DE 1153 REFERENCE QUALIFIER
'AAN' Delivery schedule number
'ON' Order number (purchase)
'IV' Invoice number
'PK' Packing list number
'VN' Order number (vendor)

SEGMENT GROUP 14

Function: A segment group providing the identity number of a package being despatched.
Usage : D1
Remarks : The usage of this segment group is dependent on the existence of a package identification (licence plate) on the package.

--- Segment Group 14 ---------- D1 ----------+
GIN Goods identity number M1 ----------+

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.

Ref.	Rep.		Name		UTILISATION
7405	an..3	M	IDENTITY NUMBER QUALIFIER	M	'ML' Marking/label number
C208		M	IDENTITY NUMBER RANGE	M	See Note 1
7402	an..35	M	Identity number	M	
7402	an..35	C	Identity number	D	
C208		C	IDENTITY NUMBER RANGE	X	
7402	an..35	M	Identity number		
7402	an..35	C	Identity number		
C208		C	IDENTITY NUMBER RANGE	X	
7402	an..35	M	Identity number		
7402	an..35	C	Identity number		
C208		C	IDENTITY NUMBER RANGE	X	
7402	an..35	M	Identity number		
7402	an..35	C	Identity number		
C208		C	IDENTITY NUMBER RANGE	X	
7402	an..35	M	Identity number		
7402	an..35	C	Identity number		

Note 1: DE C208 IDENTITY NUMBER RANGE
The first occurrence of DE7402 identifies the identity number or the first number of a range. The second occurrence of DE7402 is only used if a range is being specified.

SEGMENT GROUP 15

Function: A segment providing details of the individual despatched items within the packages described.
Usage : D..9999
Remarks : The usage of this group within the CPS group is dependent on the level of packaging being described. If describing packages that contain lower level packages, then this group of segments would be omitted until the lowest level package was being described.

This segment loop is required at least once for the lowest level of packaging.

The Seller/Shipper should only need to indicate in the Despatch Advice the same item identification as was given in the Purchase Order. This item identification should be placed in the LIN segment.

In the event that additional information needs to be given to that primary item identification reference then it should be placed in the PIA segment.

Information on other associated item ids should also be placed in the PIA segment.

Item identifications should be used where ever possible. In a situation where no item identification can be given then a coded, or free text description may be given in the IMD segment.

Physical representation of the data in the LIN segment can be handled by barcoded product and package labels.

Examples of use are:-

1. Item as identified by the Buyer's product id. number.

```
LIN+1++12345-12:IN::92'
```

2. Item as identified by the Seller's product id. number with an additional drawing revision number as assigned by the Seller.

```
LIN+1++ABCDE-AA:SA::91'
PIA+1+ABCDE-AA-1:DR::91'
```

3. Item as identified by the Seller's product id. number with the addition of the Buyer's reference number for this product.

```
LIN+1++ABCDE-AA:SA::91'
PIA+1+12345-12:IN::92'
```

4. Item as identified by the Seller's product number with the addition of the Seller's substitute number for this product, and also the Buyer's own product and substitute numbers for this product.

```
LIN+1++ABCDE-AA:SA::91'
PIA+4+ABCDE-AB:SA::91+12345-15:IN::92'
PIA+1+12345-12:IN::92'
```

5. Where no item number is given and only a description of the item is passed in the message.

```
LIN+1'
IMD+++:::SUPER XYZ MODULES'
```

--- Segment Group 15		D..9999	
LIN	Line item	M1	
PIA	Additional product id	D..2	
IMD	Item description	O1	
MEA	Measurements	O1	
QTY	Quantity	R1	
ALI	Additional information	O1	
GIN	Goods identity number	A..100	
--- Segment Group 16		A..5	
RFF	Reference	M1	
DTM	Date/time/period	O1	

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		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	O	
3055	an..3	C	Code list responsible agency, coded	O	See Note 4
5495	an..3	C	SUB-LINE INDICATOR, CODED	X	
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

PIA   ADDITIONAL PRODUCT ID

Function: To specify additional item information.
Usage   : D..2
Remarks : This segment is dependent on whether the primary reference to the item being ordered is insufficient to identify the item. Information such as engineering change level, drawing revision number etc. can be also be included in this segment.

```
Ref. Rep.     Name                       !          UTILISATION
---- -------- -------------------------+-+------------------------------
                                         ! !
4347 an..3  M PRODUCT ID FUNCTION        !M! See Note 1
              QUALIFIER                  ! !
                                         ! !
C212        M ITEM NUMBER                !M!
              IDENTIFICATION             ! !
7140 an..35 C  Item number               !R!
7143 an..3  C  Item number type, coded   !R! See Note 2
1131 an..3  C  Code list qualifier       !O!
3055 an..3  C  Code list responsible     !O! See Note 3
               agency, coded             ! !
                                         ! !
C212        C ITEM NUMBER                !O!
              IDENTIFICATION             ! !
7140 an..35 C  Item number               !R!
7143 an..3  C  Item number type, coded   !R! See Note 2
1131 an..3  C  Code list qualifier       !O!
3055 an..3  C  Code list responsible     !O! See Note 3
               agency, coded             ! !
                                         ! !
C212        C ITEM NUMBER                !O!
              IDENTIFICATION             ! !
7140 an..35 C  Item number               !R!
7143 an..3  C  Item number type, coded   !R! See Note 2
1131 an..3  C  Code list qualifier       !O!
3055 an..3  C  Code list responsible     !O! See Note 3
               agency, coded             ! !
                                         ! !
C212        C ITEM NUMBER                !O!
              IDENTIFICATION             ! !
7140 an..35 C  Item number               !R!
7143 an..3  C  Item number type, coded   !R! See Note 2
1131 an..3  C  Code list qualifier       !O!
3055 an..3  C  Code list responsible     !O! See Note 3
               agency, coded             ! !
                                         ! !
C212        C ITEM NUMBER                !O!
              IDENTIFICATION             ! !
7140 an..35 C  Item number               !R!
7143 an..3  C  Item number type, coded   !R! See Note 2
1131 an..3  C  Code list qualifier       !O!
3055 an..3  C  Code list responsible     !O! See Note 3
               agency, coded             ! !
---------------------------------------+-+------------------------------
```

PIA ADDITIONAL PRODUCT ID (continued)

Note 1: DE 4347 PRODUCT ID FUNCTION QUALIFIER
'1' Additional identification
'4' Substituted for

Note 2: DE 7143 Item number type, coded
'BP' Buyer's part number
'CC' Industry commodity code
'DR' Drawing revision number
'DW' Drawing
'EC' Engineering change level
'EN' International Article Numbering Association (EAN)
'HS' Harmonised system
'MF' Manufacturer's (producer's) article number
'IN' Buyer's item number
'SA' Supplier's article number
'UP' UPC (Universal product code)
'VP' Vendor's (seller's) part number

Note 3: 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
Code '91' is used to indicate information related to the Seller's article number ('SA'or 'VP') and code '92' is used to indicate information related to the Buyer's item number ('IN' or 'BP').

IMD ITEM DESCRIPTION

Function: To describe the item being despatched.
Usage : O1
Remarks : This segment may be used for items that can not be identified by a code or article number.

Ref.	Rep.		Name		UTILISATION
7077	an..3	C	ITEM DESCRIPTION TYPE, CODED	O	See Note 1
7081	an..3	C	ITEM CHARACTERISTIC, CODED	O	See Note 2
C273		C	ITEM DESCRIPTION	A	See Note 3
7009	an..7	C	Item description identification	A	
1131	an..3	C	Code list qualifier	O	
3055	an..3	C	Code list responsible agency, coded	O	
7008	an..35	C	Item description	D	
7008	an..35	C	Item description	O	
7383	an..3	C	SURFACE/LAYER INDICATOR, CODED	X	

Note 1: DE 7077 ITEM DESCRIPTION TYPE, CODED
'C' Code
'F' Free-form

Note 2: DE 7081 ITEM CHARACTERISTIC, CODED
'3' Ship-to-stock quality
Used when the shipment does not require a quality check at the Receiver's premises.

Note 3: DE C273 ITEM DESCRIPTION
Use DE 7009 for a coded description. If no code is available use DE 7008 instead.

MEA MEASUREMENTS

Function: To specify the item net weight, if required for customs purposes.
Usage : O1
Remarks :

Ref.	Rep.		Name		UTILISATION
6311	an..3	M	MEASUREMENT APPLICATION QUALIFIER	M	'WT' Weights
C502		C	MEASUREMENT DETAILS	R	
6313	an..3	C	Measurement dimension, coded	R	'AAA' Unit net weight
6321	an..3	C	Measurement significance, coded	X	
6155	an..3	C	Measurement attribute, coded	X	
C174		C	VALUE/RANGE	R	
6411	an..3	M	Measure unit qualifier	M	See note 1
6314	n..18	C	Measurement value	R	
6162	n..18	C	Range minimum	X	
6152	n..18	C	Range maximum	X	
7383	an..3	C	SURFACE/LAYER INDICATOR, CODED	X	

Note 1: DE 6411 Measure unit qualifier
'KGM' Kilogram
'LBS' Pounds

QTY QUANTITY

Function: To give the despatch quantity.
Usage : R1
Remarks :

Ref.	Rep.		Name		UTILISATION
C186		M	QUANTITY DETAILS	M	
6063	an..3	M	Quantity qualifier	M	'12' Despatch 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

ALI ADDITIONAL INFORMATION

Function: To indicate the country of origin of the item and the type of duty regime for customs purposes.
Usage : O1
Remarks :

Ref.	Rep.	Name		UTILISATION
3239	an..3	C COUNTRY OF ORIGIN, CODED	R	See Note 1
9213	an..3	C TYPE OF DUTY REGIME, CODED	O	See Note 2
4183	an..3	C SPECIAL CONDITIONS, CODED	X	
4183	an..3	C SPECIAL CONDITIONS, CODED	X	
4183	an..3	C SPECIAL CONDITIONS, CODED	X	
4183	an..3	C SPECIAL CONDITIONS, CODED	X	
4183	an..3	C SPECIAL CONDITIONS, CODED	X	

Note 1 : DE 3239 COUNTRY OF ORIGIN, CODED
Use ISO 3166 2 alpha country code e.g. BE Belgium

Note 2 : DE 9213 TYPE OF DUTY REGIME, CODED
'1' Origin subject to EC/EFTA preference
'2' Origin subject to other preference agreement

GIN GOODS IDENTITY NUMBER

Function: Used to specify a range of or individual identification numbers of the goods being despatched.
Usage : A..100
Remarks :

```
Ref. Rep.     Name                      !          UTILISATION
---- -------- -------------------------+-+------------------------------
                                        ! !
7405 an..3  M IDENTITY NUMBER QUALIFIER !M! See Note 1
                                        ! !
C208        M IDENTITY NUMBER RANGE     !M! See Note 2
7402 an..35 M  Identity number          !M!
7402 an..35 C  Identity number          !D!
                                        ! !
C208        C IDENTITY NUMBER RANGE     !O! See Note 2
7402 an..35 M  Identity number          !M!
7402 an..35 C  Identity number          !D!
                                        ! !
C208        C IDENTITY NUMBER RANGE     !O! See Note 2
7402 an..35 M  Identity number          !M!
7402 an..35 C  Identity number          !D!
                                        ! !
C208        C IDENTITY NUMBER RANGE     !O! See Note 2
7402 an..35 M  Identity number          !M!
7402 an..35 C  Identity number          !D!
                                        ! !
C208        C IDENTITY NUMBER RANGE     !O! See Note 2
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

Note 2: DE C208 IDENTITY NUMBER RANGE
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.

SEGMENT GROUP 16

Function: A segment group to specify identifying numbers and dates of previous documents associated with the item being described.
Usage : A..5
Remarks : References are normally used at this level.

--- Segment Group 16		A..5	
RFF	Reference	M1	!
DTM	Date/time/period	O1	!

RFF REFERENCE

Function: To specify identifying numbers associated with the item.
Usage : M1
Remarks : Where references do not apply to the whole message they must appear here.

Ref.	Rep.		Name		UTILISATION
C506		M	REFERENCE	M	
1153	an..3	M	Reference qualifier	M	See Note 1
1154	an..35	C	Reference number	R	
1156	an..6	C	Line number	O	See Note 2
4000	an..35	C	Reference version number	X	

Note 1: DE 1153 REFERENCE QUALIFIER
'AAN' Delivery schedule number
'IP' Import license number
'IV' Invoice number
'ON' Order number (purchase)
'PK' Packing list number
'VN' Order number (vendor)

Note 2: DE 1156 LINE NUMBER
To hold the line number within the referenced document identified in the RFF segment (DE1154). That is the case when DE1153 = 'ON' or 'AAN'.

DTM DATE/TIME/PERIOD

Function: Segment to indicate the date of the reference specified in the previous RFF segment, e.g. date of referenced purchase order.
Usage : O1
Remarks : DE2005 may hold code '4' (order date/time) only when the reference number sent in the preceding RFF segment is qualified with 'ON' order number (purchase) or 'VN' order number (vendor).

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

Note 1: DE 2005 Date/time/period qualifier
'4' Order date/time
Use of this code is an EIDX requirement.
'171' Reference date/time

Note 2: DE 2380 Date/time/period
Used to specify the date, preferably in the recommended format (CCYYMMDD)

Note 3: 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		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 DE0062 of the UNH segment of this message.

EXAMPLES

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

Example 1 - Possible options on how to use the DETAIL section of the message.
Option 1: Only the product numbers are provided, no carton specific Id numbers are provided and no description of the shipment structure is given.
Option 2: Product numbers are provided. Additionally, each carton is uniquely identified by a package Id number.
No description of the structure is given.
Option 3: Description of the shipment hierarchical structure in terms of pallet content, with pallets uniquely identified.
Option 4: Description of the shipment hierarchical structure in terms of the pallets and their content. Both pallets and cartons contained are uniquely identified by serial numbers.

Example 2 - Use of DETAIL section when the items packaged on multiple unit loads are the same.

Example 3 - Simplified domestic shipment.

Example 4 - International shipment going by air.

Example 5 - International shipment going by road.

Example 6 - Using the DESADV to let the Buyer know when goods are ready to be collected.

Example 7 - Use of Cancellation and Replace options

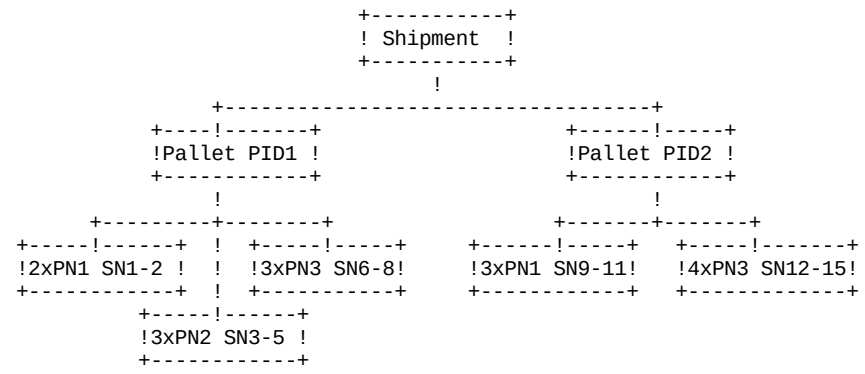
EXAMPLE 1

The following example is not a complete example of the message. It is included here to provide the user with an indication on how the packaging structure of the message can be be used within the detail segments of the message.
There are four options which illustrate this. Options 1 through 4 are presented in an ascending order of complexity and completeness.

A shipment consists of 2 unit loads, in this case pallets. The first pallet, identified by the package Id serial number PID1, contains 8 cartons of mixed products, 2 cartons of product PN1, 3 cartons of PN2 and 3 cartons of PN3.
The cartons are individually identified by identification numbers ranging from SN1 through to SN8.

The second pallet is identified by the identification number PID2, and contains mixed products also; 3 cartons of product number PN1 and 4 cartons of product number PN3. The cartons are individually identified by package identification numbers ranging from SN9 to SN15.

The shipment can be represented like this:-



NOTE: As the header segments do not change in the following options, only the detail segments are included here.

EXAMPLE 1 (continued)

Option 1: Only the product numbers are provided, no carton specific Id numbers are provided and no description of the shipment structure is given.

This option allows for the description of the shipment composition only in terms of products. In this case the shipment is described as being composed of 5 units of PN1, 3 units of PN2 and 7 units of PN3. Using this option, the message will provide no information regarding individual despatch carton Id numbers or the way they are organized hierarchically in the shipment. Because of this it is an option that is not recommended.

```
CPS+1'                          -
LIN+1++PN1:SA::91'              - First line, item PN1
QTY+12:5'                       - 5 x PN1 despatched
LIN+2++PN2:SA::91'              - 2nd line item, PN2
QTY+12:3'                       - 3 x PN2 despatched
LIN+3++PN3:SA::91'              - 3rd line item, PN3
QTY+12:7'                       - 7 x PN3 despatched
```

Option 2: Product numbers and total quantities of the shipment are provided. Additionally, each carton is uniquely identified by a package Id number. No description of the structure is given

This option allows for the description of the shipment composition but ignores any hierarchical structure of the shipment. In this case the shipment is described as being composed of 5 units of PN1, 3 units of PN2 and 7 units of PN3. Additionally, each carton is uniquely identified by a serial number so as to distinguish cartons with the same product number, so that for example cartons PN1 will be identified with the Id numbers SN1, SN2, SN9, SN10 and SN11. This option does not provide information on how the groups of cartons are organized in the shipment, (i.e. in terms of pallets).

EXAMPLE 1 (continued)

```
CPS+1'                      -
PAC+5++BX'                  - Describing 5 boxes across 2 unit loads
QTY+52:1'                   - Each box contains 1 item
PCI+17'                     - Labels/ID supplied by seller
GIN+ML+SN1:SN2+SN9:SN11'    - Package Id numbers of item PN1
LIN+1++PN1:SA::91'          - First line item, PN1
QTY+12:5'                   - 5 x PN1 despatched

CPS+2'
PAC+3++BX'                  - Describing 3 boxes
QTY+52:1'                   - Each box contains 1 item
PCI+17'                     - Labels/ID supplied by seller
GIN+ML+SN3:SN5'             - Package Id numbers of item PN2
LIN+2++PN2:SA::91'          - 2nd line item, PN2
QTY+12:3'                   - 3 x PN2 items despatched

CPS+3'
PAC+7++BX'                  - Describing 7 boxes
QTY+52:1'                   - Each box contains 1 item
PCI+17'                     - Labels/ID supplied by seller
GIN+ML+SN6:SN8+SN12:SN15'   - Package Id numbers of item PN3
LIN+3++PN3:SA::91'          - 3rd line item, PN3
QTY+12:7'                   - 7 x PN3 despatched
```

EXAMPLE 1 (continued)

Option 3: Description of the shipment hierarchical structure in terms of pallet content, with pallets uniquely identified.

This option allows the description of the composition of the shipment in terms of the pallets it contains, each pallet is uniquely identified by a packaging Id serial shipping container code (PID1 and PID2). The message describes the composition of each pallet in terms of the cartons contained and in what quantity, per pallet.

```
CPS+1'                  - 1st unit load
PAC+1++SW'              - Unit is shrinkwrapped
QTY+52:8'               - 8 boxes in this unit load
PCI+17'                 - Labels/ID supplied by seller
GIN+ML+PID1'            - Identification of 1st unit load
LIN+1++PN1:SA::91'      - First line item, PN1
QTY+12:2'               - 2 x PN1 despatched
LIN+2++PN2:SA::91'      - 2nd line item, PN2
QTY+12:3'               - 3 x PN2 despatched
LIN+3++PN3:SA::91'      - 3rd line item, PN3
QTY+12:3'               - 3 x PN3 despatched

CPS+2'                  - second unit load
PAC+1++SW'              - Unit is shrinkwrapped
QTY+52:7'               - 7 boxes in this unit load
PCI+17'                 - Labels/ID supplied by seller
GIN+ML+PID2'            - Identification of 2nd unit load
LIN+4++PN1:SA::91'      - Fourth line item, PN1
QTY+12:3'               - 3 x PN1 despatched
LIN+5++PN3:SA::91'      - Fifth line item, PN3
QTY+12:4'               - 4 x PN3 despatched
```

EXAMPLE 1 (continued)

Option 4: Description of the shipment hierarchical structure in terms of the pallets and their content. Both pallets and cartons contained are uniquely identified by serial numbers.

This option allows the description of the composition of the shipment in a hierarchical nature. The shipment is identified as being composed of two pallets each identified by a package Id serial shipping container code (PID1 and PID2). The message describes the composition of each pallet in terms of the units contained and their serial shipping container codes. Following the same hierarchical logic the message could go on to describe the composition of each carton in terms of its traded or consumer units.

```
CPS+1'                  - 1st unit load
PAC+1++SW'              - Unit load is shrinkwrapped
QTY+52:8'               - 8 boxes in this unit load
PCI+17'                 - Labels/ID supplied by seller
GIN+ML+PID1'            - Identification of 1st unit load

CPS+2+1'                - Second level of description
PAC+2++BX'              - Describing 2 boxes
QTY+52:1'               - Each contains 1 item
PCI+17'                 - Labels/ID supplied by seller
GIN+ML+SN1:SN2'         - Id of cartons that contain item PN1
LIN+1++PN1:SA::91'      - First line item, PN1
QTY+12:2'               - Shipped items

CPS+3+1'                - 2nd item on 1st unit load
PAC+3++BX'              - Describing 3 boxes
QTY+52:1'               - Each contains 1 item
PCI+17'                 - Labels/ID supplied by seller
GIN+ML+SN3:SN5'         - Id of cartons that contain item PN2
LIN+2++PN2:SA::91'      - 2nd line item, PN2
QTY+12:3'               - Shipped items

CPS+4+1'                - 3rd item on 1st unit load
PAC+3++BX'              - Describing 3 boxes
QTY+52:1'               - Each contains 1 item
PCI+17'                 - Labels/ID supplied by seller
GIN+ML+SN6:SN8'         - Id of cartons that contain item PN3
LIN+3++PN3:SA::91'      - 3rd line item, PN3
QTY+12:3'               - Shipped items

CPS+5'                  - second unit load
PAC+1++SW'              - Shrinkwrapped
QTY+52:7'               - 7 boxes on this unit load
PCI+17'                 - Labels/ID supplied by seller
GIN+ML+PID2'            - Identification of 2nd pallet
```

EXAMPLE 1 (continued)

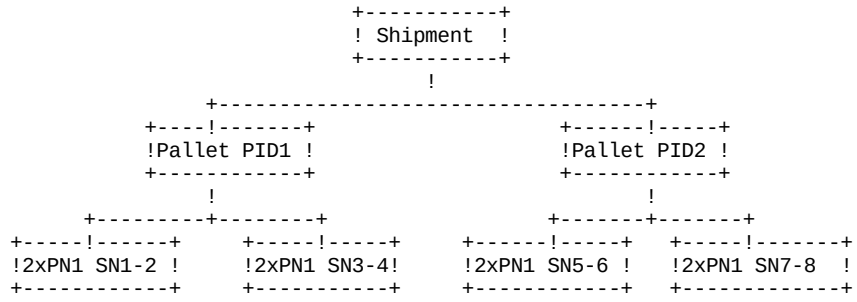
```
   CPS+6+5'                - Second level of description
   PAC+3++BX'              - Describing 3 boxes
   QTY+52:1'               - Each contains 1 item
   PCI+17'                 - Labels/ID supplied by seller
   GIN+ML+SN9:SN11'        - Id of cartons that contain item PN1
   LIN+4++PN1:SA::91'      - Fourth line item, PN1
   QTY+12:3'               - Shipped items

   CPS+7+5'                -
   PAC+4++BX'              - Describing 4 boxes
   QTY+52:1'               - Each contains 1 item
   PCI+17'                 - Labels/ID supplied by seller
   GIN+ML+SN12:SN15'       - Id of cartons that contain item PN3
   LIN+5++PN3:SA::91'      - Fifth line item, PN3
   QTY+12:4'               - Shipped items
```

EXAMPLE 2

The following example shows the structure of the message when:-

1) The pallets and packages are identical
2) The contents are similar
3) Relationship between the labels and the packages are not needed.



CPS+1'	-
PAC+2++SW'	- 2 shrinkwrapped unit loads
QTY+52:4'	- 4 boxes on each unit load
PCI+17'	- Labels/ID supplied by seller
GIN+ML+PID1:PID2'	- Identification of the pallets
CPS+2+1'	- Carton level
PAC+8++CT'	- 8 cartons
QTY+52:1'	- 1 item in each carton
PCI+17'	- Labels/ID supplied by seller
GIN+ML+SN1:SN8'	- Id of cartons that contain item PN1
LIN+1++PN1:SA::91'	- Line item for PN1
QTY+12:8'	- Number despatched

EXAMPLE 3 - Simplified domestic shipment.

Example describes a consignment between Buyer-001 and Seller-002.
The consignment consists of 2 boxes each containing the same part.
One box contains 300 parts, the other 100 parts. Each box has its own
unique identification number.
The consignment was shipped by road using UPS as the carrier. It left
on the 8th July 1994 at 16:24.

```
UNH+3211+DESADV:1:921:UN:EIVER1'- The Joint Association guide version 1
                                 of the DESADV using directory 92.1
BGM+351+927649+9'              - Shipment number
DTM+137:199407081624:203'      - Creation date/time
MEA+WT+AAD+LBS:4.32'           - Total shipment weight in lbs.
MEA+CT+SQ+NMP:2'               - 2 unit loads
RFF+ON:ZD230187'               - Order number
DTM+4:19940613:102'            - Date of Order
RFF+PK:4520918'                - Pack list number
NAD+SE+SELLER-002::92'         - Ship from (coded)
NAD+BY+BUYER-001::92'          - Buyers code
TDT+20+FTR-989-12+30++UPS::91' - Mode is road; carrier is UPS
LOC+5+SELLER-002::92'          - Location code
DTM+11:199407081624:203'       - Despatch date/time

CPS+1'                         -
PAC+1++BX'                     - 1st unit load (box)
QTY+52:300'                    - Contains 300 items
PCI+17'                        - Box Id provided by Seller
GIN+ML+7809274'                - Id of box
LIN+1++TRO-9876:BP::92'        - Buyer's part number
PIA+1+DR-987VG:VP::91'         - Seller's part number
QTY+12:300'                    - Quantity shipped in this box
GIN+BX+A-900506+A-900512'      - Batch numbers

CPS+2'                         -
PAC+1++BX'                     - 2nd unit load (box)
QTY+52:100'                    - Contains 100 items
PCI+17'                        - Box Id provided by Seller
GIN+ML+7809275'                - Id of box
LIN+1++TRO-9876:BP::92'        - Buyer's part number
PIA+1+DR-987VG:VP::91'         - Seller's part number
QTY+12:100'                    - Quantity shipped in this box
GIN+BX+A-900506+A-900512'      - Batch numbers

UNT+32+3211'                   - Count of segments
```

EXAMPLE 4 - International shipment going by air.

Similar example to example 3 except that the goods are an International shipment and are being sent by air.
Two flights are described.

```
UNH+3211+DESADV:1:921:UN:EIVER1'- The Joint Association guide version 1
                                  of the DESADV using directory 92.1
BGM+351+927649+9'               - Shipment number
DTM+137:199407081624:203'       - Creation date/time
MEA+WT+AAD+KGM:18.5'            - Total shipment weight in kilos.
MEA+CT+SQ+NMP:2'                - 2 unit loads
RFF+ON:ZD230187'                - Order number
DTM+4:19940613:102'             - Date of Order
RFF+AWB:10480'                  - Air waybill number
NAD+SE+SELLER-002::92'          - Ship from (coded)
NAD+BY+BUYER-001::92'           - Buyers code
NAD+FW+DA::91'                  - Freight Forwarder
TDT+12+718+40++JL::3'           - Mode is AIR; carrier is Japan Air
LOC+5+BKK::3'                   - Departs from
DTM+11:199407100615:203'        - Despatch date/time
LOC+15+DATH::3'                 - Transfers at
TDT+12+042+40++JL::3'           - Mode is AIR; carrier is Japan Air
LOC+8+JFK::3''                  - Destined for
DTM+132:199407121030:203'       - Carrier ETA date/time
LOC+24+JFK::3'                  - Port of entry

CPS+1'                          -
PAC+1++BX'                      - 1st unit load (box)
QTY+52:300'                     - Contains 300 items
PCI+17'                         - Box Id provided by Seller
GIN+ML+7809274'                 - Id of box
LIN+1++TRO-9876:BP::92'         - Buyer's part number
PIA+1+DR-987VG:VP::91'          - Seller's part number
QTY+12:300'                     - Quantity shipped in this box
GIN+BX+A-900506+A-900512'       - Batch numbers

CPS+2'                          -
PAC+1++BX'                      - 2nd unit load (box)
QTY+52:100'                     - Contains 100 items
PCI+17'                         - Box Id provided by Seller
GIN+ML+7809275'                 - Id of box
LIN+1++TRO-9876:BP::92'         - Buyer's part number
PIA+1+DR-987VG:VP::91'          - Seller's part number
QTY+12:100'                     - Quantity shipped in this box
GIN+BX+A-900506+A-900512'       - Batch numbers

UNT+38+3211'                    - Count of segments
```

EXAMPLE 5 - 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.

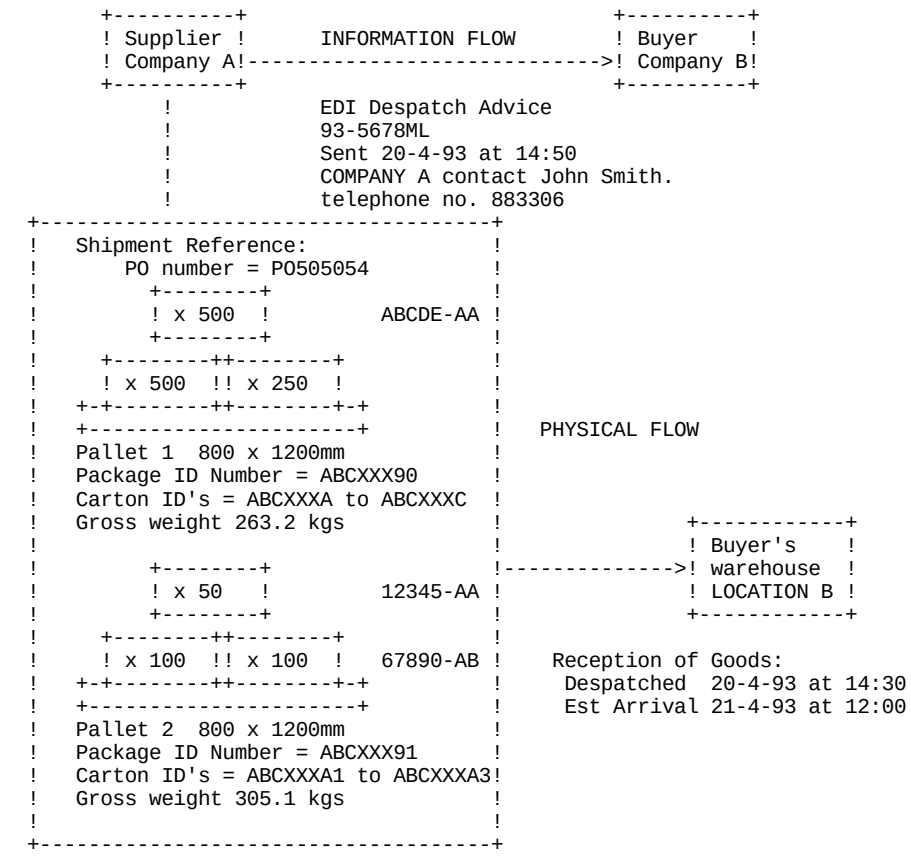
Each of the cartons have their own associated bar-coded Package ID number.

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

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.

EXAMPLE 5 (continued)



EXAMPLE 5 (continued)

```
    UNH+1+DESADV:1:921:UN:EIVER1' - Message Header

Header Section

   BGM+351+93-5678ML+9'           - Shipment 93-5678ML
   DTM+137:199304201450:203'      - Date/time of despatch adv.
   DTM+11:199304201430:203'       - Actual Ship date and time
   DTM+17:199304211200:203'       - Est delivery date and time
   MEA+WT+AAD+KGM:568.3'          - Total gross shipment weight
   MEA+CT+SQ+NMP:2'               - Number of unit loads
   RFF+ON:PO505054'               - Purchase Order No
   DTM+4:19930417:102'            - Date of PO
   NAD+SE+COMPANYA::91'           - Code assigned by Seller
   CTA+IC+John Smith'             - Contact person
   COM+883306:TE'                 - Contact telephone number
   NAD+BY+COMPANYB::91'           - Buyer code assigned by Seller
   NAD+DP+LocationB::92'          - Ship to location
   TDT+20++30+++++:::H1234 CFD'   - Main-carriage, by road.
   EQD+TE'                        - Trailer
   SEL+ABCD123456+CU'             - Trailer seal no. assigned by Customs

Detail Section

   CPS+1'                         - 1st unit load
   PAC+1++SW'                     - Unit load is shrinkwrapped
   MEA+WT+G+KGM:263.2'            - Gross weight in kilograms
   QTY+52:3'                      - Unit load contains 3 boxes
   HAN+HEA::EAN'                  - Heavy cargo
   PCI+17'                        - Labels/ID's supplied by seller
   RFF+IV:V1013-015'              - Invoice number
   GIN+ML+ABCXXX90'               - Unit identification

   CPS+2+1'                       - Second level of description
   PAC+1++BX'                     - 1st box, 1st unit load
   MEA+WT+G+KGM:100'              - Gross weight of box
   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+12:500'                    - 500 x ABCDE-AA despatched
   GIN+BN+999001:999500'          - Serial numbers

   CPS+3+1'                       -
   PAC+1++BX'                     - 2nd box, 1st unit load
   MEA+WT+G+KGM:100'              - Gross weight of box
   PCI+17'                        - Labels/ID's supplied by seller
   GIN+ML+ABCXXXB'                - Package ID of box
   LIN+1++ABCDE-AA:SA::91'        - First line item
   QTY+12:500'                    - 500 x ABCDE-AA despatched
   GIN+BN+998001:998500'          - Serial numbers
```

EXAMPLE 5 (continued)

```
   CPS+4+1'                      -
   PAC+1++BX'                    - 3rd box, 1st unit load
   MEA+WT+G+KGM:63.2'            - Gross weight of box
   PCI+17'                       - Labels/ID's supplied by seller
   GIN+ML+ABCXXXC'               - Package ID of box
   LIN+1++ABCDE-AA:SA::91'       - First line item
   QTY+12:250'                   - 250 x ABCDE-AA despatched
   GIN+BN+997001:997250'         - Serial numbers

   CPS+5'                        - 2nd unit load
   PAC+1++SW'                    - Unit load is shrinkwrapped
   MEA+WT+G+KGM:305.1'           - Gross weight in kilograms
   QTY+52:3'                     - Unit load contains 3 boxes
   HAN+HEA::EAN'                 - Heavy cargo
   PCI+17'                       - Labels/ID's supplied by seller
   RFF+IV:V1013-015'             - Invoice number
   GIN+ML+ABCXXX91'              - Package ID of pallet

   CPS+6+5'                      -
   PAC+1++BX'                    - 1st box in 2nd unit load
   MEA+WT+G+KGM:65.1'            - Gross weight in kilograms
   QTY+52:50'                    - Contains 50 items
   PCI+17'                       - Labels/ID's supplied by seller
   GIN+ML+ABCXXXA1               - Package ID of box
   LIN+1++12345-AA:SA::91'       - 1st line item
   QTY+12:50'                    - 50 x 12345-AA despatched
   GIN+BN+996001:996050'         - Serial numbers

   CPS+7+5'                      -
   PAC+1++BX'                    - 2nd box in 2nd unit load
   MEA+WT+G+KGM:120'             - Gross weight in kilograms
   QTY+52:100'                   - Contains 100 items
   PCI+17'                       - Labels/ID's supplied by seller
   GIN+ML+ABCXXXA2'              - Package ID of box
   LIN+1++67890-AB:SA::91'       - 1st line item; product type
   PIA+1+SD12345:IN::92'         - Buyer's item number
   QTY+12:100'                   - 100 x 67890-AB despatched
   ALI+US'                       - Country of origin
   GIN+BN+995001:995100'         - Serial numbers
   RFF+IV:V1013-015'             - Invoice number

   CPS+8+5'                      -
   PAC+1++BX'                    - 3rd box in 2nd unit load
   MEA+WT+G+KGM:120'             - Gross weight in kilograms
   QTY+52:100'                   - Contains 100 items
   PCI+17'                       - Labels/ID's supplied by seller
   GIN+ML+ABCXXXA3               - Package ID of box
   LIN+1++67890-AB:SA::91'       - 1st line item; product type
   PIA+1+SD12345:IN::92'         - Buyer's item number
   QTY+12:100'                   - 100 x 67890-AB despatched
   ALI+US'                       - Country of origin
   GIN+BN+995101:995200'         - Serial numbers
   RFF+IV:V1013-015'             - Invoice number

   UNT+91+1'                     - Message Trailer
```

```
EXAMPLE 6 - Ready for Despatch Advice
            Used in situations where the Buyer takes responsibility
            for the transport of the goods.


   UNH+1+DESADV:1:921:UN:EIVER1'  - Message Header

   BGM+345+93-5678ML+9'           - Shipment 93-5678ML
   DTM+137:199304201450:203'      - Date/time of despatch adv.
   DTM+200:199304201430:203'      - Pickup date and time
   MEA+WT+AAD+KGM:568.3'          - Total gross shipment weight
   MEA+CT+SQ+NMP:2'               - Number of unit loads
   RFF+ON:PO505054'               - Purchase Order No
   DTM+4:19930417:102'            - Date of PO
   NAD+SE+COMPANYA::91'           - Code assigned by Seller
   NAD+BY+COMPANYB::91'           - Buyer code assigned by Seller
   TOD+6++EXW'                    - Ex works delivery

   Detail Section (As in example 4)


EXAMPLE 7 - Use of Cancellation and Replace options

CANCELLATION

   UNH+1+DESADV:1:921:UN:EIVER1'  - Message Header

   BGM+351+93-5678ML+1'           - Shipment 93-5678ML cancelled.

   UNT+3+1'                       - Message Trailer

REPLACE

   UNH+1+DESADV:1:921:UN:EIVER1'  - Message Header

   BGM+345+93-5678ML+5'           - Shipment 93-5678ML
   DTM+137:199304201435:203'      - Date/time of despatch adv.
   DTM+200:199304211200:203'      - Pickup date and time
   MEA+WT+AAD+KGM:568.3'          - Total gross shipment weight
   MEA+CT+SQ+NMP:2'               - Number of unit loads
   RFF+ON:PO505054'               - Purchase Order No
   DTM+171:19930418:102'          - Date of PO
   NAD+SE+COMPANYA::91'           - Code assigned by Seller
   NAD+BY+COMPANYB::91'           - Buyer code assigned by Seller
   TOD+6++EXW'                    - Ex works delivery

   Detail Section (As in example 5)

   UNT+85+1'                      - Message Trailer
```