Delphi Vega

Supplier EDI Specification

Despatch Advice

DESADV

EDIFACT DESADV D.97A

Delphi Version 1.5

Final

Document Change Log

Version	Date	Description
1.1	1998.12.18	Document issued.
1.2	1999.05.07	Document re-issued, with the following changes.
	1999.05.07	Removed 0430 QTY segment – will not be sent
	1999.05.07	Removed 0610 ALI segment – will not be sent
	1999.05.07	Segment 0510 GIR now mandatory
	1999.05.07	Segment 0570PIA now mandatory
	1999.05.07	Segment 0080 RFF-1153 will be qualifier 'CN'
	1999.05.07	Segment 0110 NAD changes Party id. codes (see Example)
	1999.05.07	Segment 0380 CPS Top description, CPS-7075 = '4' Description changes (SG11 has to be sent)
	1999.05.07	Segment 0480 PCI-7102 (11Z) Storage Location
	1999.05.07	Segment 0510 GIR now mandatory
1.3	1999.08.12	Segment 0570 PIA mandatory; Revision level, Record Year conditional
	1999.08.12	New Segment 0660NAD with qualifier 'MP' Manufacturer Duns#
	1999.08.12	New DESADV – Example in section 3.8
	1999.09.09	Segment Group 13 – Mandatory
	1999.09.09	Segment 0510 GIR – AW qualifier mandatory; AL qualifier no longer required
	1999.09.09	Segment 0570 PIA mandatory; Revision level mandatory for Singapore;
1.4	2001.11.20	Segment 0240 TDT – 8101 shipment direction, mandatory for third party qualifier 'SD'
	2001.01.27	0510 GIR – added DELPHI SEQ Jit Call KANBAN information.
		PIR 1311 - Page 22, Section 0020, Tag 1004 & 1225.
		PIR 1311 - Page 25, Section 0080, Tag 1153.
		PIR 1311 - Page 29, Section 0120, Tag 3225, examples
		PIR 1311 - Page 30, Section 0240, examples
		PIR 1311 - Page 36, Section 0410, examples
		PIR 1311 - Page 37, Section 480, tiltle
		PIR 1311 - Page 37, Section 480, tiltle
	2001.01.30	0430 QTY – 6063 – utilize '52' quantity per packaging unit
	2001.02.08	DIR 1000150 – Page 25, Section 0080, RFF added 'CR' to receive customer reference number.
1.5	2001.03.22	Segment 0240 TDT – Valid SCAC code required

1.4 CHANGE LEGEND BLUE – THIRD PARTY, PINK – JIT CALL, RED – CIR 1311 & NEW REQUIRMENT.

0. TABLE OF CONTENT

1. INTRODUCTION

This document provides the specific description of a subset of the EDIFACT DESADV D97.A message to be used between a Trading Partner and Delphi.

2. MESSAGE DEFINITION

This document provides the definition of an Advanced Shipping Notification (ASN) or Despatch Advice Message, based on the EDIFACT DESADV D97.A, to be used in Electronic Data Interchange (EDI) between a Trading Partner and Delphi.

This documentation is fully comprehensive and allows the implementation of the EDIFACT DESADV without the necessity for any additional standard related documentation.

2.1. FUNCTIONAL DEFINITION

The ASN/Despatch Advice message is a message from a Delphi Supplier to the relevant Delphi application. It gives information concerning material despatched to a Delphi location as instructed by a previously received Delivery Instruction or Shipping Schedule message and in line with the conditions set out in the contract or order.

2.2. PRINCIPLES

The ASN/Despatch Advice message intends to:

- advise the recipient (Consignee) of the despatch of goods and to provide the details regarding the content of the consignment.
- allow the recipient (Consignee) to track material shipments and to prepare the physical receipt of the consignment.

An ASN/Despatch Advice message can relate to:

- different articles which may be packed differently (as instructed or agreed).
- articles covered by different Delivery Instruction and/or Stock Status messages.

The ASN/Despatch Advice message must always include the transportation information (e.g., weight, means of transport, etc.) related to the load advised.

As the information transmitted in the ASN/Despatch Advice is vital to ensure an efficient receipt of the material at the receiving plant and since, whenever a Consolidator is involved, this information needs to be consolidated with other messages. **Therefore it is mandatory that the ASN/Despatch Advice is sent immediately after the departure of the material.**

2.3. REFERENCES

The content of this message is based on:

- the message structure as defined by EDIFACT for the UNSM Despatch Advice Message DESADV as published in the UN/EDIFACT D97.A Directory.
- the agreement between the Trading Partners on the data elements to be used, their unique definition, their representation and their values (coded or clear form) as identified in this document.

Delphi has opted for the EDIFACT D97.A Directory and consistently uses this directory for all its EDIFACT messages. Although the AVIEXP subset defined by ODETTE has been based on the EDIFACT D96.A Directory, the subset defined by Delphi and described in this document follows as close as possible the structure of the ODETTE subset.

2.4. FIELD OF APPLICATION

The following definition of an ASN/Despatch Advice Message in EDIFACT format is applicable for the interchange of shipping instructions issued by Delphi for material deliveries to one or more Delphi operations.

3. MESSAGE DESCRIPTION

Following pages contain a full description of the EDIFACT DESADV D97.A message as implemented by Delphi. All segments are included regardless whether used or not used in the interchange with Delphi. The official EDIFACT segment description is complemented with remarks pertaining to the specific requirements for an interchange with Delphi. Those remarks contain specific code values used, additional information on the values shown in a specific field, etc.

3.1. INTRODUCTION

3.1.1. How to read the documentation

All segments in the subset used by Delphi are described in the following pages. The segment description is to be read as follows:

❶ **0020 BGM - BEGINNING OF MESSAGE**

❷	Segment group:	none.	Level:	1.
❸	EDIFACT status:	mandatory.	Delphi status:	mandatory.
❹	Maximum use:	1 per message.	Delphi occurrences:	1 per message.
❺	Function:	segment for the unique identification of the delivery schedule document, by means of its name and its number.		
❺	Delphi interchange:	see remarks.		

❻ Example: **BGM+351+12+5'**
A B C

❼	EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
❽ REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C002	*DOCUMENT/MESSAGE NAME*	C			C		
A	1001	Document/message name, coded	C	an..3	:	C	an..3	'351' = Despatch Advice
❾	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	1000	Document/message name	C	an..35	+			
	C106	*DOCUMENT/MESSAGE IDENTIFICATION*	C					
B	1004	Document/message number	C	an..35	:	C	an..35	Delphi assigned release number
	1056	Version	C	an..9	:			
	1060	Revision number	C	an..6	+			
C	1225	MESSAGE FUNCTION, CODED	C	an..3	+	C	an..3	Function of the message. For code values see below.
	4343	RESPONSE TYPE, CODED	C	an..3	'			

❿ **COMMENTS**

❿ **CODE VALUES**

LEGEND

❶ segment position in the message structure, segment tag and segment name.

❷ identification (when applicable) of the segment group in which the segment is situated and indication at which level the segment is in the message.

❸ status of the segment: as defined by EDIFACT and by Delphi.

❹ number of occurrences of the segment: as defined by EDIFACT and as used by Delphi.

❺ description of the function of the segment as defined by EDIFACT and as used by Delphi.

❻ example of the segment as it may appear in an interchange. This example is only illustrative and does not necessarily represent an actual situation. It should **NOT** be used as a basis to implement this message.

❼ definition of the segment content as defined by EDIFACT and as implemented by Delphi.

❽ identification of the data elements in the segment
- reference to the example.
- data element tag - data elements with a 'C' denote a composite data element.
- data element name - *italic CAPITALS* denote a composite data element.
- **ST** - the status of the data element.
- **FT** - the format of the data element, i.e. the indication of the number of characters (numerical or alphabetical) for this data element.
- **SP** - the separator used between the data elements.
- remarks on the specific use of the data element in the interchange with Delphi.

❾ Shaded areas in the Delphi description mean that Delphi does not use the data elements.

❿ the segment description can be followed by:
- comments providing more information regarding specific data elements and how they must be used and/or understood in messages from Delphi.
- code values to be used for data elements contained in the message.

3.1.2. General remarks

Following remarks are applicable for the complete documentation:

Dates
Unless otherwise specified in the field explanation in the documentation, dates are always expressed as **CCYYMMDD** (qualifier 2379 = 102).

Times

Unless otherwise specified in the field explanation in the documentation, times are always expressed as **HHMM**.

3.2. SEGMENT TABLE

The following table shows the segments defined for the EDIFACT UNSM DESADV D97.A Despatch Advice message. Shaded areas identify the segments that are not used in the subset of DESADV used by Delphi. This table, which should be read in conjunction with the branching diagram indicates the maximum number of occurrences for each segment.

POS.	TAG	NAME	ST	REPEATS
0010	UNH	Message header	M	1
0020	BGM	Beginning of message	M	1
0030	DTM	Date/time/period	C	10
0040	ALI	Additional information	C	5
0050	MEA	Measurements	C	5
0060	MOA	Monetary amount	C	5
0070		**Segment group 1**	**C**	**10**
0080	RFF	Reference	M	1
0090	DTM	Date/time/period	C	1
0100		**Segment group 2**	**C**	**10**
0110	NAD	Name and address	M	1
0120	LOC	Place/location identification	C	10
0130		**Segment group 3**	**C**	**10**
0140	RFF	Reference	M	1
0150	DTM	Date/time/period	C	1
0160		**Segment group 4**	**C**	**10**
0170	CTA	Contact information	M	1
0180	COM	Communication contact	C	5
0190		**Segment group 5**	**M**	**10**
0200	TOD	Terms of delivery or transport	M	1
0210	LOC	Place/location identification	C	5
0220	FTX	Free text	C	5
0230		**Segment group 6**	**C**	**10**
0240	TDT	Details of transport	M	1
0250	PCD	Percentage details	C	6
0260		**Segment group 7**	**C**	**10**
0270	LOC	Place/location identification	M	1
0280	DTM	Date/time/period	C	10
0290		**Segment group 8**	**C**	**10**
0300	EQD	Equipment details	M	1
0310	MEA	Measurements	C	5
0320	SEL	Seal number	C	25
0330	EQA	Attached equipment	C	5

POS.	TAG	NAME	ST	REPEATS
0340		**Segment group 9**	**M**	**10**
0350	HAN	Handling instructions	M	1
0360	FTX	Free text	C	10
0370		**Segment group 10**	**C**	**9999**
0380	CPS	Consignment packing sequence	M	1
0390	FTX	Free text	C	5
0400		**Segment group 11**	**C**	**9999**
0410	PAC	Package	M	1
0420	MEA	Measurements	C	10
0430	QTY	Quantity	C	10
0440		**Segment group 12**	**C**	**10**
0450	HAN	Handling instructions	M	1
0460	FTX	Free text	C	10
0470		**Segment group 13**	**M**	**1000**
0480	PCI	Package identification	M	1
0490	RFF	Reference	C	1
0500	DTM	Date/time/period	C	5
0510	GIR	Related identification numbers	M	99
0520		**Segment group 14**	**C**	**99**
0530	GIN	Goods identity number	M	1
0540	DLM	Delivery limitations	C	10
0550		**Segment group 15**	**C**	**9999**
0560	LIN	Line item	M	1
0570	PIA	Additional product id.	M	10
0580	IMD	Item description	C	25
0590	MEA	Monetary amount	C	10
0600	QTY	Quantity	C	10
0610	ALI	Additional information	C	10
0620	GIN	Goods identity number	C	100
0630	GIR	Related identification numbers	C	100
0640	DLM	Delivery limitations	C	100
0650	DTM	Date/time/period	C	5
0660	NAD	Name and address	C	5
0670	TDT	Details of transport	C	1
0680	HAN	Handling instructions	C	20
0690	FTX	Free text	C	99
0700	MOA	Monetary amount	C	5
0710		**Segment group 16**	**C**	**99**
0720	RFF	Reference	M	1
0730	NAD	Name and address	C	1
0740	CTA	Contact information	C	1
0750	DTM	Date/time/period	C	1
0760		**Segment group 17**	**C**	**10**
0770	DGS	Dangerous goods	M	1
0780	QTY	Quantity	C	1
0790	FTX	Free text	C	5
0800		**Segment group 18**	**C**	**100**
0810	LOC	Place/location identification	M	1
0820	NAD	Name and address	C	1
0830	DTM	Date/time/period	C	1
0840	QTY	Quantity	C	1
0850		**Segment group 19**	**C**	**1000**
0860	SGP	Split goods placement	M	1

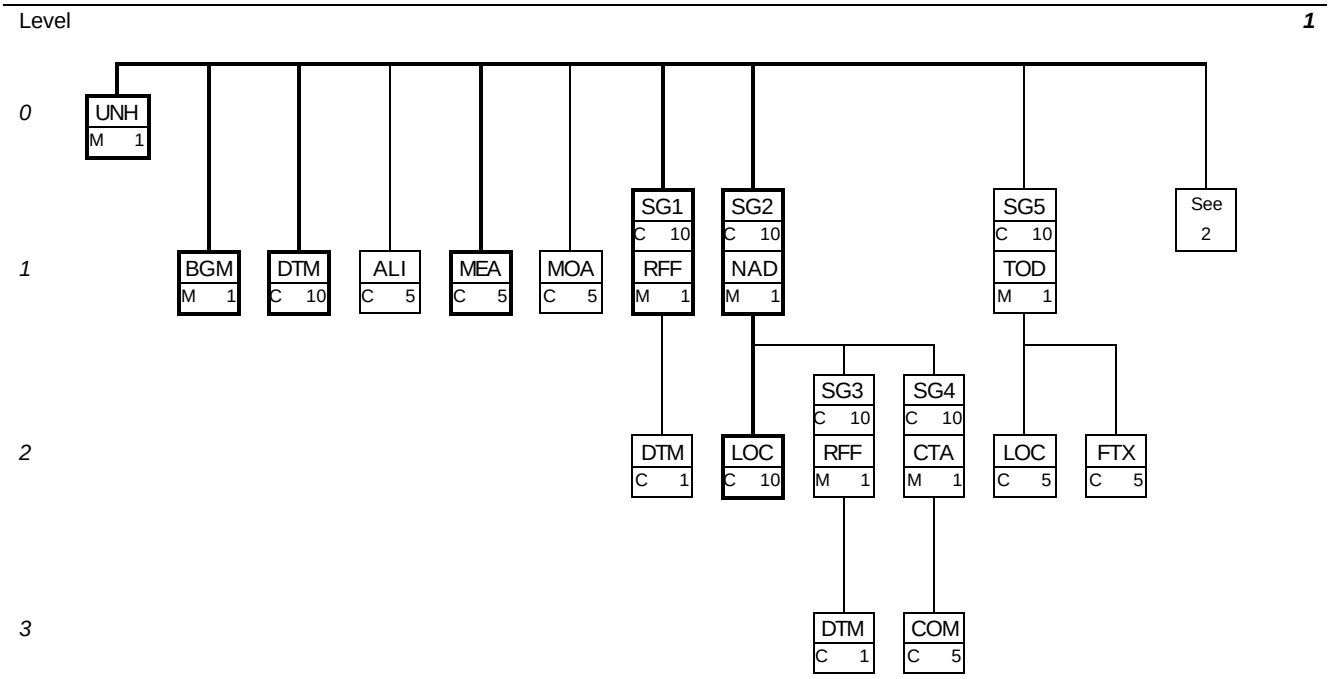
0870	QTY	Quantity	C	10
0880		**Segment group 20**	**C**	**9999**
0890	PCI	Package identification	M	1
0900	DTM	Date/time/period	C	5
0910	MEA	Measurements	C	10
0920	QTY	Quantity	C	1
0930		**Segment group 21**	**C**	**10**
0940	GIN	Goods identity number	M	1
0950	DLM	Delivery limitations	C	100
0960		**Segment group 22**	**C**	**10**
0970	HAN	Handling instructions	M	1
0980	FTX	Free text	C	5
0990	GIN	Goods identity number	C	1000
1000		**Segment group 23**	**C**	**10**
1010	QVR	Quantity variances	M	1
1020	DTM	Date/time/period	C	5
1030	CNT	Control total	C	5
1040	UNT	Message trailer	M	1

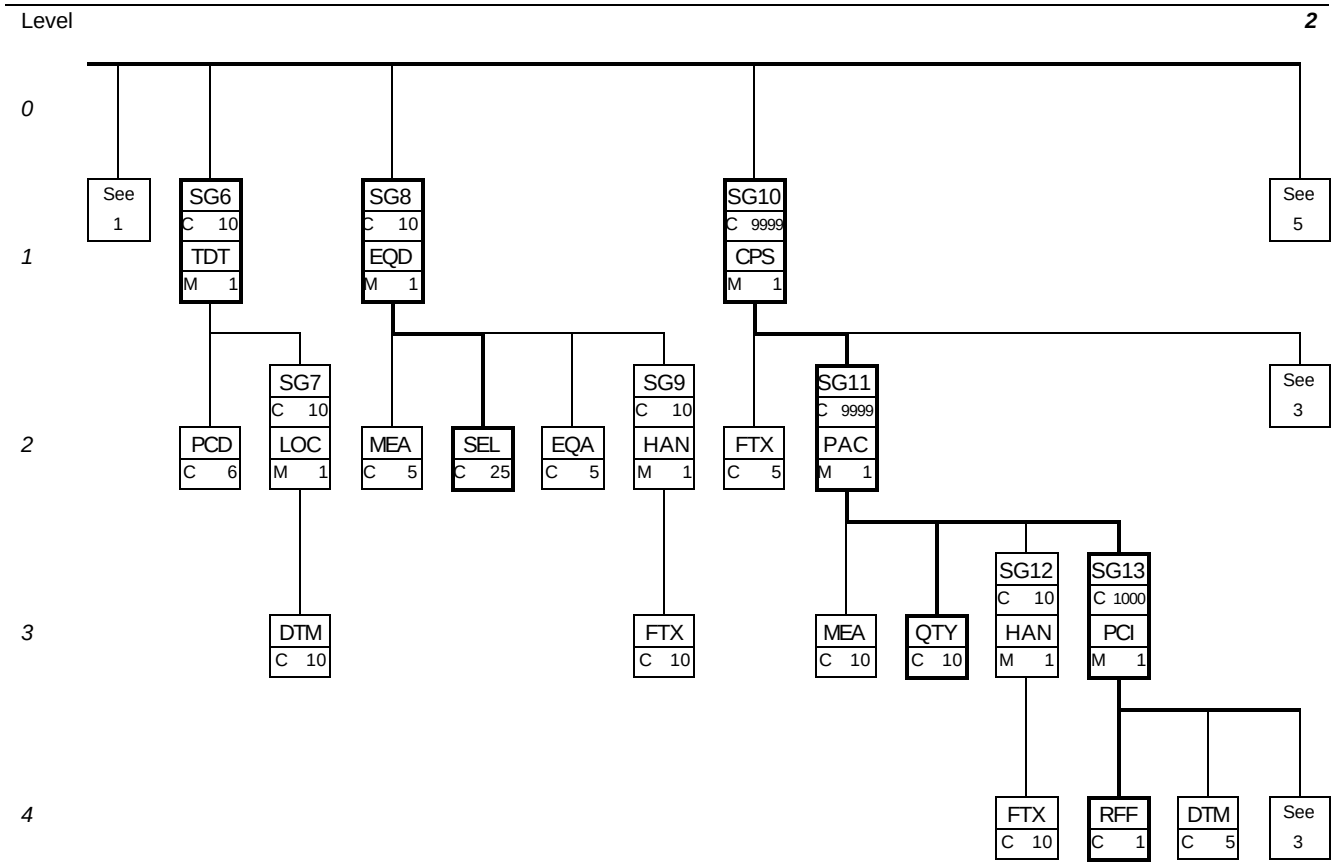
3.3. BRANCHING DIAGRAM

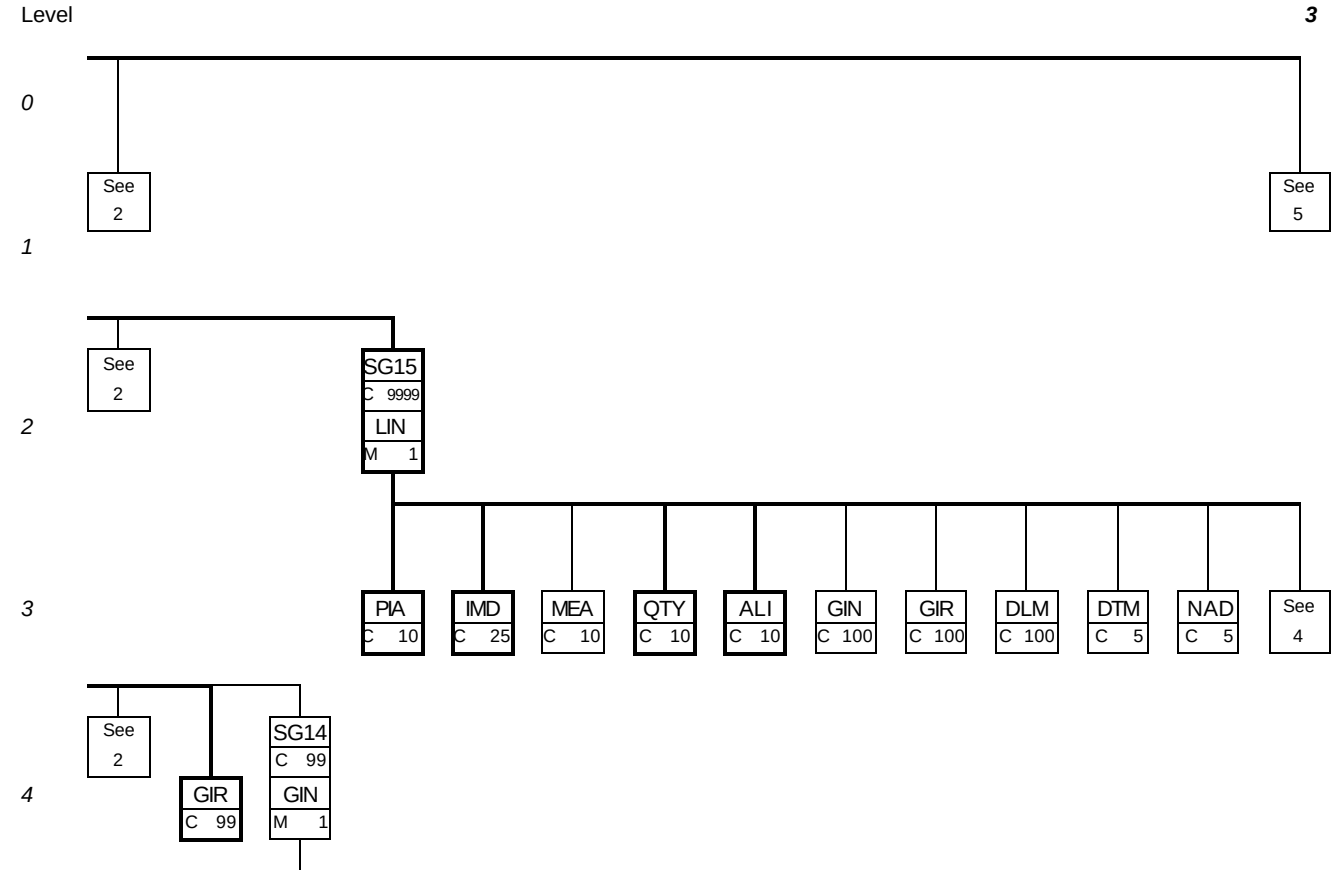
The branching diagram shows the structure of the message. It is a combination of various segments that are organized in a certain hierarchical order.

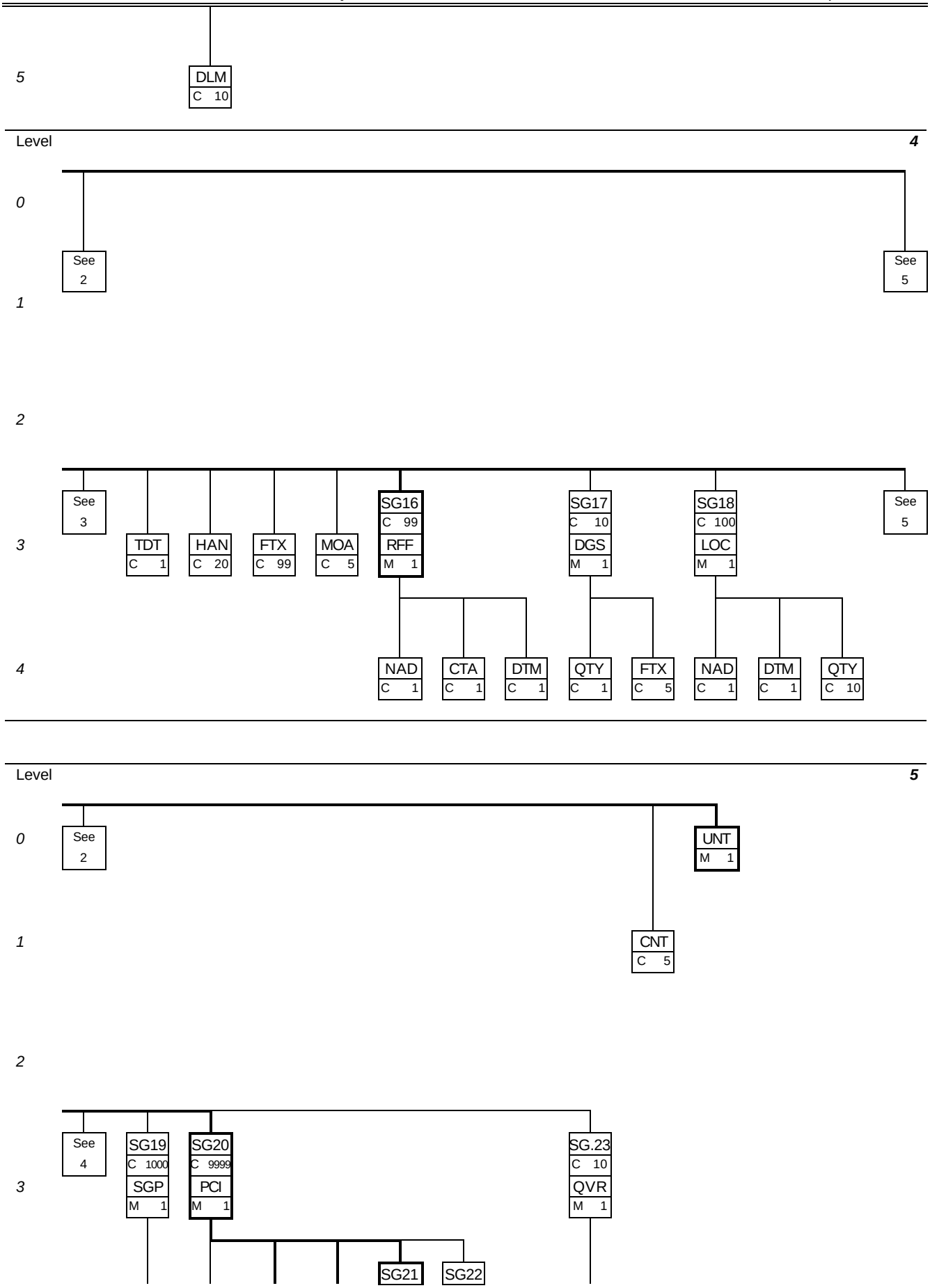
A segment is a pre-defined set of functionally related values (e.g., segment NAD groups all values that relate to a Party: name - address - etc.)

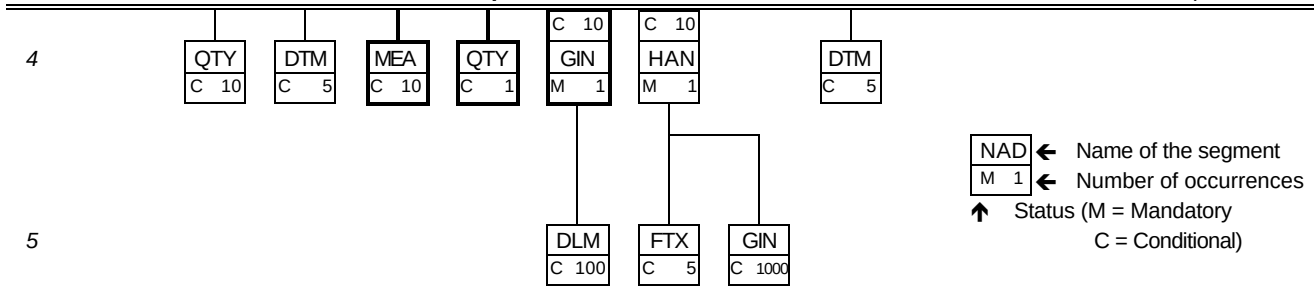
Each segment within the branching diagram is broken down into one or multiple data elements. Within a segment, only those data elements that contain data must appear.




Level
2
0
1
2
3
4
See 1
SG6 C 10 TDT M 1
SG8 C 10 EQD M 1
SG10 C 9999 CPS M 1
See 5
PCD C 6
SG7 C 10 LOC M 1
MEA C 5
SEL C 25
EQA C 5
SG9 C 10 HAN M 1
FTX C 5
SG11 C 9999 PAC M 1
See 3
DTM C 10
FTX C 10
MEA C 10
QTY C 10
SG12 C 10 HAN M 1
SG13 C 1000 PCI M 1
FTX C 10
RFF C 1
DTM C 5
See 3


Level
3
0
1
2
3
4
See 2
See 5
See 2
SG15 C 9999 LIN M 1
PIA C 10
IMD C 25
MEA C 10
QTY C 10
ALI C 10
GIN C 100
GIR C 100
DLM C 100
DTM C 5
NAD C 5
See 4
See 2
SG14 C 99 GIN M 1
GIR C 99


5
DLM
C 10
Level 4
0
See 2
See 5
1
2
See 3
TDT C 1
HAN C 20
FTX C 99
MOA C 5
SG16 C 99 RFF M 1
SG17 C 10 DGS M 1
SG18 C 100 LOC M 1
See 5
3
NAD C 1
CTA C 1
DTM C 1
QTY C 1
FTX C 5
NAD C 1
DTM C 1
QTY C 10
4
Level 5
0
See 2
UNT M 1
CNT C 5
1
2
See 4
SG19 C 1000 SGP M 1
SG20 C 9999 PCI M 1
SG.23 C 10 QVR M 1
SG21
SG22
3



3.4. MESSAGE STANDARD DESCRIPTION

This section provides the description of the UN Standard Message DESADV as defined in the 97.A Directory. Only the segments printed in bold are used in the subset defined by Delphi and will be further explained in section 3.6.

3.5.1 Header section

Information to be provided in the Header section:

0010 UNH, Message header
A service segment starting and uniquely identifying a message. The message type code for the Despatch advice message is DESADV.

0020 BGM, Beginning of message
A segment for unique identification of the Despatch Advice document, by means of its name and its number.

0030 DTM, Date/time/period
Date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Despatch Advice date.

0040 ALI, Additional information
A segment indicating that the message is subject to special conditions due to origin, customs preference or commercial factors.

0050 MEA, Measurements
A segment specifying the weight and volume of the consignment.

0060 MOA, Monetary amount
A segment to transmit monetary amounts for the whole despatch required by the consignee to prepare customs clearance procedures.

0070 Segment group 1: RFF-DTM
A group of segments giving references where necessary, their dates relating to the whole message, e.g. contract number.

0080 RFF, Reference
A segment for referencing documents relating to the whole despatch advice message, e.g. purchase orders, delivery instructions, import/export license.

0090 DTM, Date/time/period
Date/time/period from the referred document.

0100 Segment group 2: NAD-LOC-SG3-SG4
A group of segments identifying names, addresses, locations, and required supporting documents relevant to the whole Despatch Advice.

0110 NAD, Name and address
A segment for identifying names, addresses, and their functions relevant to the whole Despatch Advice. Identification of the parties involved is recommended for the Despatch Advice message, and is to be given in the NAD segment.

It is recommended that 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.

0120 LOC, Place/location identification
A segment indicating more details regarding specific places/locations related to the party specified in the NAD segment, e.g. internal site/building number.

0130 Segment group 3: RFF-DTM
A group of segments giving references relevant only to the specified party rather than the whole message.

0140 RFF, Reference
A segment for referencing documents relating to the party specified by the NAD segment.

0150 DTM, Date/time/period
A segment for specifying Date/time/period of the referred document.

0160 Segment group 4: CTA-COM
A group of segments to identify the people, functions, departments and appropriate numbers to whom communication should be directed.

0170 CTA, Contact information
A segment to identify the person, function or department to whom communication should be directed.

0180 COM, Communication contact
A segment to identify communication types and numbers for the person, function or department identified in the CTA.

0190 Segment group 5: TOD-LOC-FTX
A group of segments indicating terms of delivery.

0200 TOD, Terms of delivery or transport
A segment indicating the terms of delivery and transfer for the whole despatch advice.

0210 LOC, Place/location identification
A segment indicating locations relevant to the TOD segment.

0220 FTX, Free text
Additional free text pertinent to terms of delivery. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

0230 Segment group 6: TDT-PCD-SG7
A group of segments specifying details of the mode and means of transport and date/time of departure and destination relevant to the whole despatch advice.

0240 TDT, Details of transport
A segment specifying the carriage, and the mode and means of transport of the goods being despatched.

0250 PCD, Percentage details
A segment specifying the percentage of utilization of the capacity of the means of transport.

0260 Segment group 7: LOC-DTM
A group of segments giving the location and date/time information relative to the transportation.

0270 LOC, Place/location identification
A segment indicating locations relevant to the transport specified in the TDT segment.

0280 DTM, Date/time/period
A segment giving the date/time/period information of departure and/or arrival of the transported goods for the specified location.

0290 Segment group 8: EQD-MEA-SEL-EQA-SG9
A group of segments providing information relative to the equipment used for the transportation of goods relevant to the whole despatch advice.

0300 EQD, Equipment details

A segment to define fixed information regarding equipment used in conjunction with the whole despatch advice, and if required, to indicate responsibility for supply of the equipment.

0310 MEA, Measurements
A segment specifying physical measurements of equipment described in the EQD segment.

0320 SEL, Seal number
A segment specifying a seal number connected to a specific equipment named in the EQD.

0330 EQA, Attached equipment
A segment identifying equipment either attached to the equipment described in the EQD segment above, or equipment related to that described in the EQD segment, and which is further defined in a subsequent EQD segment.

0340 Segment group 9: HAN-FTX
A group of segments providing information on hazardous goods and their handling.

0350 HAN, Handling instructions
A segment providing information on handling and notification of hazardous materials in the specified equipment.

0360 FTX, Free text
A segment with free text information in coded or clear form to give further clarification, when required, for hazardous material.

3.5.2 Detail section

Information to be provided in the Detail section:

0370 Segment group 10: CPS-FTX-SG11-SG15
A group of segments providing details of all package levels and of the individual despatched items contained in the consignment. This segment group provides the capability to give the hierarchical packing relationships. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail product information.

0380 CPS, Consignment packing sequence
A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.

0390 FTX, Free text
A segment with free text information in coded or clear form to give further clarification, when required, as to the packing sequence.
In computer to computer exchanges such text will normally require the receiver to process this segment manually.

0400 Segment group 11: PAC-MEA-QTY-SG12-SG13
A group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.

0410 PAC, Package
A segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.

0420 MEA, Measurements
A segment specifying physical measurements of the packages/physical units described in the PAC segment.

0430 QTY, Quantity
A segment to specify the quantity per package described in the PAC segment.

0440 Segment group 12: HAN-FTX
A group of segments providing information on hazardous goods and handling.

0450 HAN, Handling instructions
A segment providing information on required handling and notification of hazardous materials in the specified package.

0460 FTX, Free text

A segment with free text information in coded or clear form to give further clarification, when required, for hazardous materials.

0470 Segment group 13: PCI-RFF-DTM-GIR-SG14
A group of segments specifying markings, labels, and packing numbers.

0480 PCI, Package identification
A segment specifying markings and/or labels used on individual physical units (packages) described in the PAC segment.

0490 RFF, Reference
A segment for referencing the package identification e.g. master label number.

0500 DTM, Date/time/period
A segment for specifying date/time/period related to the document referenced.

0510 GIR, Related identification numbers
A segment providing set of package identification related numbers, e.g. a package label number and a KANBAN card number assigned to the same package.

0520 Segment group 14: GIN-DLM
A group of segments giving package identification numbers and, where relevant, delivery limitation information.

0530 GIN, Goods identity number
A segment providing the identity numbers of packages being despatched.

0540 DLM, Delivery limitations
A segment to identify any limitation on delivery of goods, e.g. hold until final approval by supplier.

0550 Segment group 15: LIN-PIA-IMD-MEA-QTY-ALI-GIN-GIR-DLM-DTM-NAD-TDT-HAN-FTX-MOA-SG16-SG17-SG18-SG19-SG20-SG23
A group of segments providing details of the individual despatched items.

0560 LIN, Line item
A segment identifying the product being despatched. All other segments in the detail section following the LIN segment refer to that line item.

0570 PIA, Additional product id
A segment providing additional product identification.

0580 IMD, Item description
A segment for describing the product being despatched. This segment should be used for products that cannot be identified by a product code or article number.

0590 MEA, Measurements
A segment specifying physical measurements of the despatched item in original or unpacked form.

0600 QTY, Quantity
A segment to give quantity information concerning the product.

0610 ALI, Additional information
A segment indicating that the line item is subject to special conditions due to origin, customs preference, or commercial factors.

0620 GIN, Goods identity number
A segment providing identity numbers of the goods being despatched, e.g. serial numbers for assembled equipment.

0630 GIR, Related identification numbers
A segment providing sets of related identification numbers for a line item, e.g. engine number, chassis number and transmission number for a vehicle.

0640 DLM, Delivery limitations
A segment to identify any limitation on delivery of goods e.g. hold until final approval by supplier.

0650 DTM, Date/time/period
A segment providing date, time information related to the line item, e.g. production date.

0660 NAD, Name and address
A segment for identifying names and addresses and their functions relevant to the item, e.g. manufacturer.

0670 TDT, Details of transport
A segment specifying the carriage, and the mode and means of transport of the goods being despatched, e.g. shipment/consignment number, shipping method, carrier.

0680 HAN, Handling instructions
A segment providing information on the handling and notification of hazardous materials.

0690 FTX, Free text
A segment with free text information in coded or clear form to give further clarification, when required, to the line item. In computer to computer exchanges such text will normally require the receiver to process this segment manually.

0700 MOA, Monetary amount
A segment giving monetary amounts required by the consignee to undertake customs clearance procedures.

0710 Segment group 16: RFF-NAD-CTA-DTM
A group of segments to give reference numbers and dates.

0720 RFF, Reference
A segment identifying documents related to the line item.

0730 NAD, Name and address
A segment for identifying names and addresses and their functions relevant to the originator of the document in the RFF segment.

0740 CTA, Contact information
A segment to identify the office, branch or department to whom communication relevant to the document should be directed.

0750 DTM, Date/time/period
A segment for date/time/period relative to the referred document.

0760 Segment group 17: DGS-QTY-FTX
A group of segments giving information about dangerous goods.

0770 DGS, Dangerous goods
A segment to indicate the class of dangerous goods.

0780 QTY, Quantity
A segment to specify quantity of the given dangerous goods.

0790 FTX, Free text
A segment to describe dangerous goods.

0800 Segment group 18: LOC-NAD-DTM-QTY
A group of segments giving location information and where relevant, additional addresses, date and time, and quantities.

0810 LOC, Place/location identification
A segment identifying a specific location to which products will be delivered.

0820 NAD, Name and address
A segment for identifying names and addresses and their functions relevant to the delivery point. It is recommended that 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.

0830 DTM, Date/time/period
A segment providing date/time information relevant for delivery to the specific location.

0840 QTY, Quantity
A segment to specify quantity for the given location.

0850 Segment group 19: SGP-QTY
A group of segments indicating the split placement of packages or unpacked goods into equipment.

0860 SGP, Split goods placement
A segment to specify the placement of goods in relation to one equipment. If goods are unpacked, their quantity would be given in the following QTY segment.

0870 QTY, Quantity
A segment to specify the quantity of unpacked goods being placed in a specific equipment.

0880 Segment group 20: PCI-DTM-MEA-QTY-SG21-SG22
A group of segments identifying one specific package or a number of packages, their marks and numbers, measurements, quantities, date and time information and handling instructions.

0890 PCI, Package identification
A segment specifying marking and labels used on individual packages or a range of packages.

0900 DTM, Date/time/period
A segment giving the date/time details related to the goods within the packages e.g. expiration date.

0910 MEA, Measurements
A segment specifying physical measurements of packages.

0920 QTY, Quantity
A segment to specify quantity per package.

0930 Segment group 21: GIN-DLM
A group of segments giving package identification numbers and, where relevant, delivery limitation information.

0940 GIN, Goods identity number
A segment providing identification numbers being applied to the packages despatched.

0950 DLM, Delivery limitations
A segment to identify any limitation on delivery of goods e.g. hold until final approval by supplier.

0960 Segment group 22: HAN-FTX-GIN
A group of segment providing information on hazardous materials and handling.

0970 HAN, Handling instructions
A segment providing information on handling and notification of hazardous materials.

0980 FTX, Free text
A segment with free text information in coded or clear form to give further clarification, when required, for hazardous materials.

0990 GIN, Goods identity number
A segment providing identification numbers being applied to the packages containing hazardous goods.

1000 Segment group 23: QVR-DTM
A group of segments identifying quantity variances, the reason for the variance, and, when relevant, date and time information.

1010 QVR, Quantity variances
A segment identifying a quantity variance and the reason for the variance.

1020 DTM, Date/time/period
A segment to give date and time information relative to the quantity variances, e.g. proposed delivery date on the back order.

3.5.3 Summary section

Information to be provided in the Summary section:

1030 CNT, Control total
A segment by which control totals may be provided by sender for checking by the receiver.

1040 UNT, Message trailer
A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

3.5. MESSAGE STRUCTURE

The message structure illustrates how the segments can be repeated in the Despatch Advice message to accommodate the requirements identified by Delphi.

0010.UNH	Start of Despatch Advice Message
0020.BGM	Message identification
0030-1.DTM	Message generation date/time
0030-2.DTM	Despatch date/time
0030-3.DTM	Estimated arrival date/time
0050-1.MEA	Shipment gross weight
0050-2.MEA	Shipment net weight
0080.RFF	Waybill number
0110-1.NAD	Planning schedule/material release issuer (buyer)
0110-2.NAD	Ship to identification
0120.[NAD].**LOC**	Delivery dock
0110-3.NAD	Supplier identification
0110-5.NAD	Ordered by
0240.TDT	Transport details
0300.EQD	Equipment details
0320.[EQD].**SEL**	Seal Number
0370-1.CPS	Detail trigger segment 1
0410.[CPS].**PAC**	Package details for part number 1
0430.[CPS.PAC].**QTY**	Identify quantity per pack
0480.[CPS.PAC].**PCI**	Trigger segment for package identification
0490.[CPS.PAC.PCI].**RFF**	Package related reference number
0510.[CPS.PAC.PCI].**GIR**	Package related identification number(s)
0560.[CPS].**LIN**	Part number 1
0570.[CPS.LIN].**PIA**	Record keeping year / Engineering change level

0580.[CPS.LIN]**.IMD**	Item description
0600.[CPS.LIN]**.QTY**	Despatched quantity for part number 1
0610.[CPS.LIN]**.ALI**	*Not used with Delphi*
0690.[CPS.LIN]**.FTX**	Free text information
0660.[CPS.LIN]**.NAD**	Manufacturer Duns#
0720.[CPS.LIN]**.RFF**	Purchase order for part number 1
0890.[CPS.LIN]**.PCI**	Markings - only if part number is primary metal
0910-1.[CPS.LIN.PCI]**.MEA**	Gross weight - only if part number is primary metal
0910-2.[CPS.LIN.PCI]**.MEA**	Length - only if part number is primary metal
0910-3.[CPS.LIN.PCI]**.MEA**	Width - only if part number is primary metal
0910-4.[CPS.LIN.PCI]**.MEA**	Thickness - only if part number is primary metal
0920.[CPS.LIN.PCI]**.QTY**	Quantity - only if part number is primary metal
0940.[CPS.LIN.PCI]**.GIN**	Heat code or Lot number - only for primary metal
0370-2.CPS	Detail trigger segment 2
0410.[CPS]**.PAC**	Package details for part number 2
0430.[CPS.PAC]**.QTY**	Not used with Delphi
0560.[CPS]**.LIN**	Part number 2
0570.[CPS.LIN]**.PIA**	Record keeping year / Engineering Change level
0600.[CPS.LIN]**.QTY**	Despatched quantity for part number 2
0610.[CPS.LIN]**.ALI**	*Not used with Delphi*
0660.[CPS.LIN]**.NAD**	Manufacturer Duns#
0720.[CPS.LIN]**.RFF**	Purchase order for part number 2
0370-3.CPS	Detail trigger segment 3
...	Details for part number 3
0370-n.CPS	Detail trigger segment N
0410.[CPS]**.PAC**	Package component 1 details
...	...
1040.UNT	End of message

3.6. SERVICE SEGMENTS DESCRIPTION

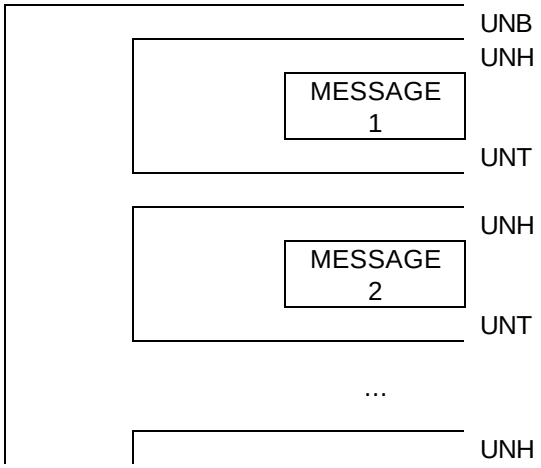
Following service segments are as defined by UN/EDIFACT and presented under ISO 9735.

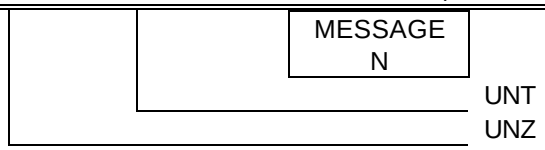
The UNB, UNH, UNT and UNZ segments are the envelope of any message, enclosing all the data that is being transmitted.

The UNB (Interchange header) and UNZ (Interchange trailer) segments mark respectively the beginning and the end of an interchange thereby providing a unique interchange control reference.

Within the interchange the UNH (message header) and UNT (Message trailer) segments uniquely begin and end the various messages contained in an interchange.

EXAMPLE OF AN INTERCHANGE STRUCTURE





NOTE:
All data elements marked "M" for Mandatory in the "ST" field of the Delphi implementation must be included in the message. Missing or incorrect entries will result in the rejection of the message.

0000 UNB - INTERCHANGE HEADER

Segment Group: none
Level: 0
EDIFACT status: mandatory
Delphi status: mandatory
Maximum use: 1 per interchange
Delphi occurrences: 1 per interchange
Function Service segment providing the unique identification of an interchange. It allows the identification of the sender and the receiver of the interchange, gives date and time of preparation as well as the interchange control reference and the application reference.
Delphi interchange: see remarks.

Example: **UNB+UNOA:1+NS3:ZZ+VG5:ZZ+001119:2141+128++DESADV'**
A B C D E F G H I

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	S001	*SYNTAX IDENTIFIER*	M			M		
A	0001	Syntax identifier	M	a4	:	**M**	a4	"**UNOA**".
B	0002	Syntax version number	M	n1	+	**M**	n1	Indication of the syntax version used for this message.
	S002	*INTERCHANGE SENDER*	M			M		
C	0004	Sender identification	M	an..35	:	**M**	an..35	Communication Code/Mailbox number of the party originating the message.
D	0007	Identification code qualifier	C	an..4	:	**M**	an..02	**"ZZ"** mutually defined
	0008	Address for Reverse Routing	C	an..14	+			
	S003	*INTERCHANGE RECIPIENT*	M			M		
E	0010	Recipient identification	M	an..35	:	**M**	an..35	Communication Code/Mailbox number of the party receiving the message.
F	0007	Identification code qualifier	C	an..4	:	**M**	an..02	**"ZZ"** mutually defined
	0014	Routing address	C	an..14	+			
	S004	*DATE / TIME OF PREPARATION*	M			M		
G	0017	Date of preparation	M	n6	:	**M**	n6	YYMMDD Format.
H	0019	Time of preparation	M	n4	+	**M**	n4	HHMM Format.
I	0020	INTERCHANGE CONTROL REFERENCE	M	an..14	+	**M**	an..14	Reference number assigned by the sender of the message. This number must uniquely identify each interface and must be **UNIQUE** within an inventory year.
	S005	*RECIPIENTS REFERENCE PASSWORD*	C					
	0022	Recipient's reference / password	M	an..14	:			
	0025	Recipient's reference / password qualifier	C	an2	+			
	0026	APPLICATION REFERENCE	C	an..14	+	**M**	n6	DESADV
	0029	PROCESSING PRIORITY CODE	C	a1	+			
	0031	ACKNOWLEDGEMENT REQUEST	C	n1	+			
	0032	COMMUNICATIONS AGREEMENT ID	C	an..35	+			
	0035	TEST INDICATOR	C	n1	'	**C**	n1	Used for Test only

0010 UNH - MESSAGE HEADER

Segment group: none
Level: 0
EDIFACT status: mandatory.
Delphi status: mandatory.
Maximum use: 1 per message.
Delphi occurrences: 1 per message.
Function: service segment starting and uniquely identifying a message. The message type code for the Despatch Advice message is DESADV.
Delphi interchange: see remarks.

Example: **UNH+1+DESADV:D:97A:UN'**
A B C D E

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	0062	MESSAGE REFERENCE NUMBER	M	an..14	+	**M**	an..14	Message Control number assigned by the sender to the message.
	S009	*MESSAGE IDENTIFIER*	M			M		
B	0065	Message type	M	an..6	:	**M**	an..6	"**DESADV**"
C	0052	Message version number	M	an..3	:	**M**	an..3	"**D**"
D	0054	Message release number	M	an..3	:	**M**	an..3	"**97A**"
E	0051	Controlling agency	M	an..2	:	**M**	an..2	"**UN**"
	0057	Association assigned code	C	an..6	+			
	0068	COMMON ACCESS REFERENCE	C	an..35	+			
	S010	*STATUS OF TRANSFER*	C					
	0070	Sequence of transfer	M	n..2	:			
	0073	First and last transfer	C	a1	'			

1040 UNT - MESSAGE TRAILER

Segment group: none
Level: 0
EDIFACT status: mandatory
Delphi status: mandatory
Maximum use: 1 per message
Delphi occurrences: 1 per message
Function: service segment ending a message, giving the total number of segments in the message and the control reference number of the message.
Delphi interchange:

Example: **UNT+99+1'**
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	0074	NUMBER OF SEGMENTS IN THE MESSAGE	M	n..6		**M**	n..6	Control count of the number of segments in the message, including UNH and UNT.
B	0062	MESSAGE REFERENCE NUMBER	M	an..14		**M**	an..14	Number must be identical to UNH - tag 0062

1050 UNZ - INTERCHANGE TRAILER

Segment Group: none
Level: 0
EDIFACT status: mandatory
Delphi status: mandatory
Maximum use: 1
Delphi occurrences: 1 per interchange
Function: service segment ending an interchange and giving the number of messages contained in the interchange as well as the Interchange Control Reference number.
Delphi interchange:

Example: **UNZ+1+1234'**
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	0036	INTERCHANGE CONTROL COUNT	M	n..6	+	**M**	n..6	Number of messages in an interchange.
B	0020	INTERCHANGE CONTROL REFERENCE	M	an..14	'	**M**	an..14	Value must be the same as 0020 - Interchange Control Reference in UNB.

3.7. DATA SEGMENTS DESCRIPTION

This part includes only the segments defined in the standard and used in the subset exchanged between the Trading Partners and Delphi. The segments are described in the same sequence as they appear in the message.

The EDIFACT DESADV segments that are not used in the subset used by Delphi are included in alphabetical sequence under item 3.9.

NOTE: All data elements marked "M" for Mandatory in the "ST" field of the Delphi implementation must be included in the message. Missing or incorrect entries will result in the rejection of the message.

0020 BGM - BEGINNING OF MESSAGE

Segment group: none
Level: 1
EDIFACT status: mandatory
Delphi status: mandatory
Maximum use: 1 per message
Delphi occurrences: 1 per message
Function: segment for unique identification of the Despatch Advice document, by means of its name and its number.
Delphi interchange:

Example: **BGM++356966+9'**

BGM++123456789+9'
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C002	*DOCUMENT/MESSAGE NAME*	C					
	1001	Document/message name, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	1000	Document/message name	C	an..35	+			
	C106	*DOCUMENT/MESSAGE IDENTIFICATION*	C			M		
A	1004	Document/message number	C	an..35	:	**M**	an..35	A unique control number, commonly called a Shipment Identification Number (SID), assigned by the original shipper to identify a specific shipment. This unique control number cannot be repeated within a one year period. This number must be referenced on both the packing list and the bill of lading as the Shipment Identification Number (SID). The SID number will be used by DELPHI as the reference number on the payment remittance to the supplier.
	1056	Version	C	an..9	:			
	1060	Revision number	C	an.6	+			
B	1225	MESSAGE FUNCTION, CODED	C	an..3	+	**M**	an..3	Function of the message. For code values see below. Note: "9" is currently the only code which Delphi will automatically process.
	4343	RESPONSE TYPE, CODED	C	an..3	'			

CODE VALUES

1225 - Message function, coded

1 Cancellation
Message canceling a previous transmission for a given transaction. The issuer's subsequent transmission of an SID, canceling all data previously transmitted under that SID (1004).

2 Addition
Message containing items (e.g. line items, goods items, Customs items, equipment items) to be added to a previously sent message. The issuer's subsequent transmission of an SID, adding part specific data not previously transmitted under that SID (1004).

4 Change
Message containing items (e.g. line items, goods items, Customs items, equipment items) to be changed in a previously sent message. The issuer's subsequent transmission of an SID, changing data previously transmitted under that SID (1004).

9 Original
Initial transmission related to a given transaction. The issuer's first transmission of a message for a particular SID (1004).

0030 DTM - DATE/TIME/PERIOD

Segment group: none
Level: 1
EDIFACT status: mandatory
Delphi status: mandatory (see comments)
Maximum use: 10 per message at level 1
Delphi occurrences: max. 3 per message
Function: segment specifying the date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Despatch Advice date.
Delphi interchange: there may be max. 3 occurrences of DTM in position 0030: to specify the message issue date, to specify the despatch date and/or time and to specify the estimated arrival date/time. **The 2 first occurrences are mandatory in the messages exchanged with Delphi.**

Example: **DTM+137:199803051400:203'** Document generation
DTM+11:199803051500:203' Despatch date/time
DTM+132:199803061000:203' Estimated arrival date/time
A B C

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
Document generation date.						**MANDATORY - must be transmitted.**		
	C507	*DATE/TIME/PERIOD*	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	**M**	an..3	"**137**" = Document/message date/time.
B	2380	Date/time/period	C	an..35	:	**M**	an..35	Date/time when the document is issued.
C	2379	Date/time/period format qualifier	C	an..3	"	**M**	an..3	"**203**" = CCYYMMDDHHMM.
Despatch date/time.						**MANDATORY - must be transmitted.**		
	C507	*DATE/TIME/PERIOD*	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	**M**	an..3	"**11**" = Despatch date and or time.
B	2380	Date/time/period	C	an..35	:	**M**	an..35	Date/time on which the goods are actually despatched or shipped.
C	2379	Date/time/period format qualifier	C	an..3	'	**M**	an..3	"**203**" = CCYYMMDDHHMM.
Estimated arrival date/time.						**Conditional - may be transmitted.**		
	C507	*DATE/TIME/PERIOD*	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	**M**	an..3	"**132**" = Arrival date/time, estimated.
B	2380	Date/time/period	C	an..35	:	**M**	an..35	Date/time when the goods are expected to arrive at the place of destination.
C	2379	Date/time/period format qualifier	C	an..3	'	**M**	an..3	"**203**" = CCYYMMDDHHMM.

0050 MEA - MEASUREMENTS

Segment group: none
Level: 1
EDIFACT status: conditional
Delphi status: mandatory
Maximum use: 5 per message at level 1
Delphi occurrences: max. 3 per message
Function: segment specifying the weight and volume of the consignment.
Delphi interchange: there need to be 3 occurrences of MEA in position 0040 specifying the gross weight and the net weight of the shipment and the total number of lading units.

Example: **MEA+AAX+G+KG:0000486'**
MEA+AAX+N+KG:0000430'
MEA+AAX+SQ+EA:00004000'
A B C D

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
Gross weight								
A	6311	MEASUREMENT PURPOSE QUALIFIER	M	an..3	+	**M**	an..3	"**AAX**" = Consignment measurements.
	C502	*MEASUREMENT DETAILS*	C			C		
B	6313	Property measured, coded	C	an..3	:	**M**	an..3	"**G**" = Gross Weight.
	6321	Measurement significance, coded	C	an..3	:			
	6155	Measurement attribute identification	C	an..17	:			
	6154	Measurement attribute	C	an..70	+			
	C174	*VALUE/RANGE*	C					
C	6411	Measure unit qualifier	M	an..3	:	**M**	an..3	For code see UN/ECE Recommendation Nr 20
D	6314	Measurement value	C	an..18	:	**M**	an..18	Actual weight. No decimal digits!
	6162	Range minimum	C	n..18	:			
	6152	Range maximum	C	n..18	:			
	6432	Significant digits	C	n..2	+			
	7383	SURFACE/LAYER INDICATOR, CODED	C	an..3	'			
Net weight								
A	6311	MEASUREMENT PURPOSE QUALIFIER	M	an..3	+	**M**	an..3	"**AAX**" = Consignment measurements.
	C502	*MEASUREMENT DETAILS*	C			C		
B	6313	Property measured, coded	C	an..3	:	**M**	an..3	"**N**" = Net Weight.
	6321	Measurement significance, coded	C	an..3	:			
	6155	Measurement attribute identification	C	an..17	:			
	6154	Measurement attribute	C	an..70	+			
	C174	*VALUE/RANGE*	C					
C	6411	Measure unit qualifier	M	an..3	:	**M**	an..3	For code see UN/ECE Recommendation Nr 20
D	6314	Measurement value	C	an..18	:	**M**	an..18	Actual weight . No decimal digits!
		REST OF SEGMENT NOT USED.						
Shipped Quantity								
A	6311	MEASUREMENT PURPOSE QUALIFIER	M	an..3	+	**M**	an..3	"**AAX**" = Consignment measurements.
	C502	*MEASUREMENT DETAILS*	C			C		
B	6313	Property measured, coded	C	an..3	:	**M**	an..3	"**SQ**" = Total number of Lading units.
	6321	Measurement significance, coded	C	an..3	:			
	6155	Measurement attribute identification	C	an..17	:			
	6154	Measurement attribute	C	an..70	+			
	C174	*VALUE/RANGE*	C					
C	6411	Measure unit qualifier	M	an..3	:	**M**	an..3	For code see UN/ECE Recommendation Nr 20
D	6314	Measurement value	C	an..18	:	**M**	an..18	Quantity
		REST OF SEGMENT NOT USED.						

Segment group 1: RFF-DTM

Segment group:	1	Level:	1
EDIFACT status:	conditional	Delphi status:	mandatory
Maximum use:	10 per message at level 1	Delphi occurrences:	max. 2 per message
Function:	group of segments giving references where necessary, their dates relating to the whole message, e.g. contract number.		
Delphi interchange:	only RFF is required in segment group 1.		

0080 RFF - REFERENCE

Segment group:	1 [RFF]	Level:	1
EDIFACT status:	mandatory if segment group 1 is used	Delphi status:	mandatory
Maximum use:	1 per segment group 1 (max. 10)	Delphi occurrences:	1 per segment group 1
Function:	segment for referencing documents relating to the whole despatch advice message, e.g. purchase orders, delivery instructions, import/export license.		
Delphi interchange:	**At least one iteration is mandatory.** **If Carrier's reference number is known, send RFF+CN segment**		

Example:

RFF+CN:35'	**Carrier Reference number**
RFF+MB:356966'	**Master Bill of Lading**
RFF+CR:0439872'	**Customer Reference Number**

A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
Carrier's reference number								
	C506	*REFERENCE*	M			M		
A	1153	Reference qualifier	M	an..3	:	**M**	an..3	"**CN**" = Carrier's reference number. (PRO Number)
B	1154	Reference number	C	an..35	:	**M**	an..35	Number as referenced in 1153 above.
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			
Master bill of lading number								
	C506	*REFERENCE*	M			M		
A	1153	Reference qualifier	M	an..3	:	**M**	an..3	"**MB**" = Master bill of lading number.
B	1154	Reference number	C	an..35	:	**M**	an..35	Number as referenced in 1153 above.
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			
Customer Reference number								
	C506	*REFERENCE*	M			M		
A	1153	Reference qualifier	M	an..3	:	**M**	an..3	"CR" = Customer Reference number as is sent on the DELJIT.
B	1154	Reference number	C	an..35	:	**M**	an..35	Number as referenced in 1153 above.
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

Segment group 2: NAD-LOC-SG3-SG4

Segment group:	2	Level:	1
EDIFACT status:	conditional	Delphi status:	mandatory
Maximum use:	10 per message at level 1	Delphi occurrences:	maximum 5 per message
Function:	group of segments identifying names, addresses, locations, and required supporting documents relevant to the whole Despatch Advice.		
Delphi interchange:	see segment description.		

0110 NAD - NAME AND ADDRESS

Segment group:	02 [NAD]	Level:	1
EDIFACT status:	mandatory if segment group 02 is used	Delphi status:	mandatory
Maximum use:	1 per segment group 02 (max. 10)	Delphi occurrences:	1 per segment group 2
Function:	segment for identifying names, addresses, and their functions relevant to the whole Despatch Advice.		
Delphi interchange:	the message may contain max. 5 NAD segments as detailed below. Delphi always requires the transmission of the first 3 occurrences detailed below. If the ship from location is different from the supplier location then the 4th occurrence is also mandatory. The 5th occurrence is only to be transmitted if this information was also included in the DELFOR and/or DELJIT previously transmitted by Delphi.		

Example:	**NAD+MI+595172899::16'**	Material issuer
	NAD+ST+HA02097::92'	Ship To
	NAD+SU+041472986::16'	Supplier Mfg. Plant DUNS #
	NAD+SF+041472986::16'	Ship From
	NAD+OB+HA02097::92+++++++DE'	Ordered by
	A B C D	

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
Planning schedule/material release issuer.						**MANDATORY - must always be transmitted.**		
A	3035	PARTY QUALIFIER	M	an..3	+	**M**	an..3	"**MI**" = Planning schedule/material release issuer.
	C082	*PARTY IDENTIFICATION DETAILS*	C			**M**		
B	3039	Party id. Identification	M	an..35	:	**M**	an..35	Code identifying the material release issuer. For code value see below.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	**M**	an..3	For code value see below.
	C058	*NAME AND ADDRESS*	C					
	3124	Name and address line	M	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	+			
	C080	*PARTY NAME*	C					
	3036	Party name	M	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3045	Party name format, coded	C	an..3	+			
	C059	*STREET*	C					
	3042	Street and number/P.O. box	M	an..35	:			
	3042	Street and number/P.O.. box	C	an..35	:			
	3042	Street and number/P.O.. box	C	an..35	:			
	3042	Street and number/P.O.. box	C	an..35	+			

	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
	3207	COUNTRY, CODED	C	an..3	'			

0110 NAD - CONTINUED

Ship to **MANDATORY - must always be transmitted.**

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	**M**	an..3	"**ST**" = Ship to.
	C082	*PARTY IDENTIFICATION DETAILS*	C			**M**		
B	3039	Party id. Identification	M	an..35	:	**M**	an..35	Code identifying the plant where the material must be delivered. For code value see below.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	**M**	an..3	For code value see below.
	C058	*NAME AND ADDRESS*	C		+			
	C080	*PARTY NAME*	C		+			
	C059	*STREET*	C		+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
	3207	COUNTRY, CODED	C	an..3	'			
		REST OF SEGMENT NOT USED.						

Supplier **MANDATORY - must always be transmitted.**

A	3035	PARTY QUALIFIER	M	an..3	+	**M**	an..3	"**SU**" = Supplier.
	C082	*PARTY IDENTIFICATION DETAILS*	C			**M**		
B	3039	Party id. Identification	M	an..35	:	**M**	an..35	Code identifying the supplier.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	**M**	an..3	For code value see below.
	C058	*NAME AND ADDRESS*	C		+			
	C080	*PARTY NAME*	C		+			
	C059	*STREET*	C		+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
	3207	COUNTRY, CODED	C	an..3	'			
		REST OF SEGMENT NOT USED.						

Ship from **Conditional - must only be transmitted if different from SU.**

A	3035	PARTY QUALIFIER	M	an..3	+	**M**	an..3	"**SF**" = Ship from. (Delivery Party).
	C082	*PARTY IDENTIFICATION DETAILS*	C			**M**		
B	3039	Party id. Identification	M	an..35	:	**M**	an..35	Code identifying the Ship from Location
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	**M**	an..3	For code value see below.
	C058	*NAME AND ADDRESS*	C		+			
	C080	*PARTY NAME*	C		+			
	C059	*STREET*	C		+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
D	3207	COUNTRY, CODED	C	an..3	'			
		REST OF SEGMENT NOT USED.						

0110 NAD - CONTINUED

Ordered by. Only used for Ship Direct

Conditional - must only be transmitted if used in DELFOR and/or DELJIT.

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	**M**	an..3	"**OB**" = Ordered by.
	C082	*PARTY IDENTIFICATION DETAILS*	C			**M**		
B	3039	Party id. Identification	M	an..35	:	**M**	an..35	Code identifying the ordering party.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	**M**	an..3	For code value see below.
	C058	*NAME AND ADDRESS*	C		+			
	C080	*PARTY NAME*	C		+			
	C059	*STREET*	C		+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
D	3207	COUNTRY, CODED	C	an..3	'	C	an..3	For code value see below.
		REST OF SEGMENT NOT USED.						

CODE VALUES

3039 - Party id. identification [NAD 1st and 2nd occurrence]

Individual notification by the Implementation Plant -> Code Value has to be in line with the information given in DELFOR/DELJIT.

3055 - Code list responsible agency, coded

16	DUN & Bradstreet (DUNS)
92	Assigned by buyer or buyer's agent.

3207 - Country, coded

EUROPEAN UNION

AT	Austria
BE	Belgium
DE	Germany
DK	Denmark
ES	Spain
FI	Finland
FR	France
GB	United Kingdom
GR	Greece
IE	Ireland
IT	Italy
LU	Luxembourg
NL	Netherlands
PT	Portugal
SE	Sweden

OTHERS

CA	Canada
CH	Switzerland
CZ	Czech Republic
HU	Hungary
NO	Norway
PL	Poland
RO	Romania
SI	Slovenia
SK	Slovakia
TN	Tunisia
TR	Turkey
US	United States

Based on ISO 3166"ISO ALPHA-2 Country code" list.

0120 LOC - PLACE/LOCATION IDENTIFICATION

Segment group: 2 [NAD.LOC] Level: 2
EDIFACT status: conditional Delphi status: conditional but mandatory after NAD = ST
Maximum use: 10 per preceding NAD Delphi occurrences: 1 per segment group 2
Function: segment indicating more details regarding specific places/locations related to the party specified in the NAD segment, e.g. internal site/building number.
Delphi interchange: the LOC segment must be sent after the NAD identifying the Ship-to address (qualifier value ST).

Example: **LOC+11+HA02097'**
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3227	PLACE/LOCATION QUALIFIER	M	an..3	+	**M**	an..3	"**11**" = Place/port of discharge.
	C517	*LOCATION IDENTIFICATION*	C			**M**		
B	3225	Place/location identification	C	an..25	:	**M**	an..25	Code identifying the receiving dock at the plant. Suppliers should return the value sent in the DELJIT LOC.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	3224	Place/location	C	an..70	+			
	C519	*RELATED LOCATION ONE ID.*	C					
	3223	Related place/location one Id.	C	an..25	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	3222	Related place/location one	C	an..70	+			
	C553	*RELATED LOCATION TWO ID.*	C					
	3233	Related place/location two Id.	C	an..25	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	3232	Related place/location two	C	an..70	+			
	5479	RELATION, CODED	C	an..3	'			

Segment group 6: TDT-PCD-SG7

Segment group:	6	Level:	1
EDIFACT status:	conditional	Delphi status:	mandatory
Maximum use:	10 per message at level 1	Delphi occurrences:	max. 2 per message
Function:	group of segments specifying details of the mode and means of transport and date/time of departure and destination relevant to the whole despatch advice.		
Delphi interchange:	only segment TDT is used in segment group 6.		

0240 TDT - DETAILS OF TRANSPORT

Segment group:	6 [TDT]	Level:	1
EDIFACT status:	mandatory if segment group 6 is used	Delphi status:	mandatory
Maximum use:	1 per segment group 6 (max. 10)	Delphi occurrences:	1 per segment group 6
Function:	segment specifying the carriage, and the mode and means of transport of the goods being despatched.		
Delphi interchange:			

Example: **TDT+25++LT++HMES::182'**

TDT+12++LT++RYDD::182+SD' 3rd Party Suppliers should send SD in the 8101.

TDT+25++LT++HMES::182++G:S

A B C D E F G

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	8051	TRANSPORT STAGE QUALIFIER	M	an..3	+	**M**	an..3	For code value see below.
	8028	CONVEYANCE REFERENCE NR	C	an..17	+			
	C220	*MODE OF TRANSPORT*	C			**M**		
B	8067	Mode of transport, coded	C	an..3	:	**M**	an..3	For code value see below.
	8066	Mode of transport	C	an..17	+			
	C228	*TRANSPORT MEANS*	C					
	8179	Type of means of transport id.	C	an..8	:			
	8178	Type of means of transport	C	an..17	+			
	C040	*CARRIER*	C			**M**		
C	3127	Carrier identification	C	an..17	:	**M**	an..17	Valid SCAC code required.
	1131	Code list qualifier	C	an..3	:			
D	3055	Code list responsible agency, coded	C	an..3	:	C	an..3	For code value see below.
	3128	Carrier name	C	an..35	+			
E	8101	TRANSIT DIRECTION, CODED	C	an..3	+	C	an..3	Used **only** for 3rd party direct ship. This value should be turned around from the DELFOR/DELJIT.
	C401	*EXCESS TRANSPORTATION INFORMATION*	C			C		
F	8457	Excess transportation reason, coded	M	an..3	:		an..3	Indication of the reason for excess transportation. For code values see below.
G	8459	Excess transportation responsibility, coded	M	an..3	:		an..3	Indication of responsibility for excess transportation. For code values see below.
	7130	Customer authorization number	C	an..17	+	C	an..17	Transportation Authorization Number
	C222	*TRANSPORT IDENTIFICATION*	C					
	8213	Id. of means of transport identification	C	an..9	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	8212	Id. of the means of transport	C	an..35	:			
	8453	Nationality of means of transport, coded	C	an..3	+			

	8281	TRANSPORT OWNERSHIP, CODED	C	an..3	'			

CODE VALUES

3055 - Code list responsible agency, coded

182 Standard Carrier Alpha Code (SCAC)

8051 - Transport stage qualifier

12 At departure
Transport by which goods are moved from the place of departure. Pick-up SCAC.
25 Delivery carrier all transport.
Carrier responsible from the point of origin to the final delivery destination.

8101 – Transit Direction, coded

SD Seller to drop ship designated location (Direct Ship)

8067 - Mode of transport, coded

General Codes to be used for Delphi, more detailed Codes may need to be implemented on request of Delphi Implementation Plant:

A Air
AC Air Charter
AE Air Express
C Consolidation
D Parcel Post
E Expedited Truck
FA Air Freight Forwarder
G Piggyback
GS Progressive pick-up (milk run**)**
H Customer Pick-up
J Motor
LT Less than trailer load
R Rail
SE Sea/Air
SR Supplier Truck
SS Steamship
T Best way
TC (Taxi) Cab
U Private Parcel Service
VE Vessel, Ocean
W Inland Waterway

8457 - Excess transportation reason, coded

A Special rail car order, schedule increase forecast change
B Engineering change or late release
C Specification (schedule) error/overbuilding
D Shipment tracing delay
E Plant inventory loss
F Building ahead of schedule
G Vendor behind schedule
H Failed to include in last shipment
I Carrier loss claim
J Transportation failure
K Insufficient weight for carload
L Reject or discrepancy (material rejected in prior shipment)
M Transportation delay
N Lack of railcar or railroad equipment
P Releasing error
R Record error or cate reported discrepancy report
T Common or peculiar part schedule increase

U Alternative supplier shipping for responsible supplier
V Direct schedule or locally controlled
W Purchasing waiver approval
X Authorization code to be determined
Y Pilot material

8459 - Excess transportation responsibility, coded

A Customer plant (receiving location)
B Material release issuer
S Supplier authority
X Responsibility to be determined

Segment group 8: EQD-MEA-SEL-EQA-SG9

Segment group: 8 Level: 1
EDIFACT status: conditional Delphi status: mandatory
Maximum use: 10 per message at level 1 Delphi occurrences: max. 10 per message
Function: group of segments providing information relative to the equipment used for the transportation of goods relevant to the whole despatch advice.
Delphi interchange: only segments EQD and SEL are used in segment group 8.

0300 EQD - EQUIPMENT DETAILS

Segment group: 8 [EQD] Level: 1
EDIFACT status: mandatory if segment group 08 is used Delphi status: mandatory
Maximum use: 1 per segment group 8 (max. 10) Delphi occurrences: 1 per segment group 8
Function: segment to define fixed information regarding equipment used in conjunction with the whole despatch advice, and if required, to indicate responsibility for supply of the equipment.
Delphi interchange: see remarks.

Example: **EQD+TE+TRAILER 001'**
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	8053	EQUIPMENT QUALIFIER	M	an..3	+	**M**	an..3	For code value see below.
	C237	*EQUIPMENT IDENTIFICATION*	C			**M**		
B	8260	Equipment identification number	C	an..17	:	**M**	an..17	Used to identify equipment number, such as railcar or trailer number including initials.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	3207	Country, coded	C	an..3	+			
	C224	*EQUIPMENT SIZE AND TYPE*	C					
	8155	Equipment size and type id.	C	an..10	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	8154	Equipment size and type	C	an..35	+			
	8077	EQUIPMENT SUPPLIER, CODED	C	an..3	+			
	8249	EQUIPMENT STATUS, CODED	C	an..3	+			
	8169	FULL/EMPTY INDICATOR, CODED	C	an..3	'			

CODE VALUES

8053 - Equipment qualifier

CN Container
Equipment item as defined by ISO for transport. It must be of: A) permanent character, strong enough for repeated use; B) designed to facilitate the carriage of goods, by one or more modes of transport, without intermediate reloading; C) fitted with devices for its ready handling, particularly.
RR Railcar

Registered identification number of railway wagon

TE Trailer

A vehicle without motive power, designed for the carriage of cargo and to be towed by a motor vehicle.

0320 SEL - SEAL NUMBER

Segment group: 8 [EQD.SEL] Level: 1
EDIFACT status: 25 conditional Delphi status: conditional
Maximum use: 25 per EQD in segment group 8. Delphi occurrences: maximum 2 per EQD
Function: segment to specify a seal number related to equipment.
Delphi interchange: see remarks.

Example: **SEL+12345ABD'**
A

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	9308	SEAL NUMBER	M	an..10	+	M	an..10	Seal number
	C215	*SEAL ISSUER*	C					
	9303	Sealing party, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	9302	Sealing party	C	an..35	+			
	4517	SEAL CONDITION, CODED	C	an..3	'			

Segment group 10: CPS-FTX-SG11-SG15

Segment group:	10 [CPS]	Level:	1
EDIFACT status:	conditional	Delphi status:	mandatory
Maximum use:	9999 per message	Delphi occurrences:	as required

Function: group of segments providing details of all package levels and of the individual despatched items contained in the consignment. This segment group provides the capability to give the hierarchical packing relationships. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail product information.

Delphi interchange: only segment CPS is used in segment group 10. Segment group 10 may be used as detailed below:

0370.CPS	Inner level (7075 = 1)
0410.[CPS].**PAC**	Inner level package for part number 1
0430.[CPS.PAC].**QTY**	Quantity per pack for part number 1
0560.[CPS].**LIN**	Part number 1
0600.[CPS.LIN].**QTY**	Part number 1 quantity
0370.CPS	Inner level (7075 = 1)
0410.[CPS].**PAC**	Inner level package for part number 2
0430.[CPS.PAC].**QTY**	Quantity per pack for part number 2
0560.[CPS].**LIN**	Part number 2
0600.[CPS.LIN].**QTY**	Part number 2 quantity
0370.CPS	Inner level (7075 = 1)
0410.[CPS].**PAC**	Inner level package for part number 3
0430.[CPS.PAC].**QTY**	Quantity per pack for part number 3
0560.[CPS].**LIN**	Part number 3
0600.[CPS.LIN].**QTY**	Part number 3 quantity
0370.CPS	Inner level (7075 = 1)
0410.[CPS].**PAC**	Inner level package for part number 4
0430.[CPS.PAC].**QTY**	Quantity per pack for part number 4
0560.[CPS].**LIN**	Part number 4
...	...
0370.CPS	Outer level (7075 = 3)
0410.[CPS].**PAC**	Outer level package, e.g. top of pallet
0370.CPS	Outer level (7075 = 3)
0410.[CPS].**PAC**	Outer level package, e.g. pallet

DESCRIPTION OF CPS FOR INNER PACKING

0380 CPS - CONSIGNMENT PACKING SEQUENCE (7075 = 1)

Segment group: 10 [CPS] Level: 1
EDIFACT status: mandatory if segment group 10 is used Delphi status: mandatory
Maximum use: 1 per segment group 10 (max. 9999) Delphi occurrences: as required
Function: segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.
Delphi interchange: see remarks.

Example: **CPS+1++1'**
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	7164	HIERARCHICAL ID. NUMBER	M	an..12	+	**M**	an..12	A unique number assigned by the sender to identify a level within a hierarchical structure. Begins with the number 1 and increments by one for each occurrence within the message. Numbers are not to be repeated within the same message.
	7166	HIERARCHICAL PARENT ID.	C	an..12	+			
B	7075	PACKAGING LEVEL, CODED	C	an..3	'	**M**	an..3	For code value see below.

CODE VALUES

7075 - Packaging Level, Coded

1 Inner
Level of packing, if it exists, that is immediately subordinate to the intermediate packaging level.
3 Outer
For packed merchandise, outermost level of packaging for a shipment
Description of CPS for outer package level is provided on page 52 in line with the message structure.
4 There is no specifiable level of packaging: packaging is inner and outer level as well

Segment group 11: PAC-MEA-QTY-SG12-SG13

Segment group:	11 [CPS.QTY.SG11]	Level:	2
EDIFACT status:	conditional	Delphi status:	mandatory, if CPS with code '1' or '3' is used
Maximum use:	9999 per CPS in segment group 10	Delphi occurrences:	1 per segment group 10
Function:	group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.		
Delphi interchange:	only the segments PAC and QTY are used in segment group 11.		

0410 PAC - PACKAGE

Segment group:	11 [CPS.PAC]	Level:	2
EDIFACT status:	mandatory if segment group 11 is used	Delphi status:	mandatory
Maximum use:	1 per segment group 11 (max. 9999 per CPS)	Delphi occurrences:	1 per segment group 11
Function:	segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.		
Delphi interchange:			

Example: **PAC+4++BLUE TOTE'**

Must be provided by Suppliers sending packaging information (CPS code 1 or 3).

PAC+10++CNTAINER'
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	7224	NUMBER OF PACKAGES	C	n..8	+	**M**	n..8	Number of packages.
	C531	*PACKAGING DETAILS*	C					
	7075	Packaging level, coded	C	an..3	:			
	7233	Packaging related information, coded	C	an..3	:			
	7073	Packaging terms and conditions, coded	C	an..3	+			
	C202	*PACKAGE TYPE*	C			**M**		
B	7065	Type of packages identification	C	an..17	:	**M**	an..17	Identification of the container used for the shipment of the part number identified in the following LIN segment. Using a code from a list of packaging material numbers that Delphi has received from the supplier.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	7064	Type of packages	C	an..35	+			
	C402	*PACKAGE TYPE IDENTIFICATION*	C					
	7077	Item description type, coded	M	an..3	:			
	7064	Type of packages	M	an..35	:			
	7143	Item number type, coded	C	an..3	:			
	7064	Type of packages	C	an..35	:			
	7143	Item number type, coded	C	an..3	+			
	C532	*RETURNABLE PACKAGE DETAILS*	C					
	8395	Returnable package freight payment responsibility, coded	C	an..3	:			
	8393	Returnable package load contents, coded	C	an..3	'			

0430 QTY - QUANTITY

Segment group: 11 [[CPS.QTY.SG11]
EDIFACT status: conditional
Maximum use: 10 per CPS
Function: segment to give quantity information per package.
Delphi interchange: see remarks.

Level: 2
Delphi status: mandatory, if CPS with code '1' or '3' is used
Delphi occurrences: max. 1 per segment group 11

Example: **QTY+52:0400:C62'**

A B C

Must be provided by Suppliers sending packaging information (CPS code 1 or 3)

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
Quantity per pack						**Mandatory**		
	C186	*QUANTITY DETAILS*	M			M		
A	6063	Quantity qualifier	M	an..3	:	M	an..3	"**52**" = Quantity per pack
B	6060	Quantity	M	n..15	:	M	n..12	Quantity in each packaging unit.
C	6411	Measure unit qualifier	C	an..3	'	C	an..3	For code value see UN/ECE Recommendation no. 20.

Segment group 13: PCI-RFF-DTM-GIR-SG14

Segment group: 13 [CPS.PAC.SG13] Level: 3
EDIFACT status: conditional Delphi status: mandatory
Maximum use: 1000 per PAC in segment group 11 Delphi occurrences: as required
Function: group of segments specifying markings, labels, and packaging numbers.
Delphi interchange: see segment description

0480 PCI - PACKAGE IDENTIFICATION / STORAGE LOCATION

Segment group: 13 [CPS.PAC.PCI] Level: 3
EDIFACT status: mandatory if segment group 13 is used Delphi status: mandatory
Maximum use: 1 per segment group 13 (max.1000 per CPS) Delphi occurrences: 1 per segment group 13
Function: segment specifying marking and labels used on individual packages or a range of packages.
Delphi interchange: see remarks.

Example: **PCI+16+KBSL22'**

PCI+16+00001'
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	4233	MARKING INSTRUCTIONS, CODED	M	an..3	+	**M**	an..3	"**16**" = Buyer's instructions.
	C210	*MARKS & LABELS*	C			**M**		
B	7102	Shipping marks	M	an..35	:			Storage Location, sent in DELJIT
	7102	Shipping marks	C	an..35	:			
	7102	Shipping marks	C	an..35	:			
	7102	Shipping marks	C	an..35	:			
	7102	Shipping marks	C	an..35	:			
	7102	Shipping marks	C	an..35	:			
	7102	Shipping marks	C	an..35	:			
	7102	Shipping marks	C	an..35	:			
	7102	Shipping marks	C	an..35	:			
	7102	Shipping marks	C	an..35	:			
	7102	Shipping marks	C	an..35	+			
	8275	CONTAINER/PACKAGE STATUS, CODED	C	an..3	+			
	C827	*TYPE OF MARKING*	C					
	7511	Type of marking, coded	M	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	'			

0490 RFF - REFERENCE

Segment group: 13 [CPS.PAC.PCI.RFF] Level: 4
EDIFACT status: conditional Delphi status: conditional
Maximum use: 1 per PCI in segment group 13 Delphi occurrences: 1 per PCI in segment group 13
Function: segment for referencing the package identification, e.g. master label number.
Delphi interchange: see remarks.

Example: **RFF+CW:0000257606'**
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C506	*REFERENCE*	M			M		
A	1153	Reference qualifier	M	an..3	:	M	an..3	For code values see below.
B	1154	Reference number	C	an..35	:	C	an..35	Number as qualified in 1153 above.
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

CODE VALUES

1153 - Reference qualifier.

CN Carriers reference.
Reference number assigned by carrier to a consignment.

CW Package number
Reference number identifying a package or carton within a consignment.

SN Seal number
Identification number on customer other seals affixed to containers or other transport units.

0510 GIR - RELATED IDENTIFICATION NUMBERS

Segment group:	13 [CPS.PAC.PCI.GIR]	Level:	4
EDIFACT status:	conditional	Delphi status:	mandatory
Maximum use:	99 per PCI in segment group 13	Delphi occurrences:	as required

Function: segment providing set of package identification related numbers, e.g. a package label number and a KANBAN card number assigned to the same package

Delphi interchange: see remarks.

Example: **GIR+3+18R415:AW'**

GIR+3+0000001230:AL' DELPHI JIT Call KANBAN number, from DELJIT.

A B C

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	7297	SET IDENTIFICATION QUALIFIER	M	an..3	+	M	an..3	"**3**" = Package.
	C206	*IDENTIFICATION NUMBER*	M			M		
B	7402	Identity number	M	an..35	:	M	an..35	Actual identity number
C	7405	Identity number qualifier	C	an..3	:	M	an..3	"**AW**" = Serial number from shipping container (Barcode Label serial number)
	4405	Status, coded	C	an..3	+			
	C206	*IDENTIFICATION NUMBER*	C			M		
	7402	Identity number	M	an..35	:	M	an..35	Actual identity number
	7405	Identity number qualifier	C	an..3	:	M	an..3	"**AL**" = Kanban Card Number
	4405	Status, coded	C	an..3	+			
	C206	*IDENTIFICATION NUMBER*	C					
	7402	Identity number	M	an..35	:			
	7405	Identity number qualifier	C	an..3	:			
	4405	Status, coded	C	an..3	+			
	C206	*IDENTIFICATION NUMBER*	C					
	7402	Identity number	M	an..35	:			
	7405	Identity number qualifier	C	an..3	:			
	4405	Status, coded	C	an..3	+			
	C206	*IDENTIFICATION NUMBER*	C					
	7402	Identity number	M	an..35	:			
	7405	Identity number qualifier	C	an..3	:			
	4405	Status, coded	C	an..3	+			
	C206	*IDENTIFICATION NUMBER*	C					
	7402	Identity number	M	an..35	:			
	7405	Identity number qualifier	C	an..3	:			
	4405	Status, coded	C	an..3	'			

Segment group 15: LIN-PIA-IMD-MEA-QTY-ALI-GIN-GIR-DLM-DTM-NAD-TDT-HAN-FTX-MOA-SG16-SG17-SG18-SG19-SG20-SG23

Segment group:	15 [CPS.SG15]	Level:	2
EDIFACT status:	conditional	Delphi status:	conditional
Maximum use:	9999 per CPS in segment group 10	Delphi occurrences:	as required
Function:	group of segments providing details of the individual despatched items.		
Delphi interchange:	only LIN, PIA, QTY and TDT are used in segment group 15.		

0560 LIN - LINE ITEM

Segment group:	15 [CPS.LIN]	Level:	2
EDIFACT status:	mandatory if segment group 15 is used	Delphi status:	mandatory
Maximum use:	1 per segment group 15 (max. 9999 per CPS)	Delphi occurrences:	1 per segment group 15
Function:	segment identifying the product being despatched. All other segments in the detail section following the LIN segment refer to that line item.		
Delphi interchange:	see remarks.		

Example: **LIN+++00000000016129689:IN'**

LIN+++12345678:IN'
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	1082	LINE ITEM NUMBER	C	n..6	+	C	n..6	
	1229	ACTION REQUEST/ NOTIFICATION, CODED	C	an..3	+			
	C212	*ITEM NUMBER IDENTIFICATION*	C			**M**		
A	7140	Item number	C	an..35	:	**M**	an..35	Delphi assigned part number.
B	7143	Item number type, coded	C	an..3	:	**M**	an..3	"**IN**" = Buyer's item number.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C829	*SUB-LINE INFORMATION*	C					
	5495	Sub-line indicator, coded	C	an..3	:			
	1082	Line item number	C	n..6	+			
	1222	CONFIGURATION LEVEL	C	n..2	+			
	7083	CONFIGURATION, CODED	C	an..3	'			

CODE VALUES

7143 – Item Number Type, Coded

IN Buyer's Item Number.
VP Customer's Item Number

0570 PIA - ADDITIONAL PRODUCT ID

Segment group:	15 [CPS.LIN.PIA]	Level:	3
EDIFACT status:	conditional	Delphi status:	conditional
Maximum use:	10 per LIN in segment group 15	Delphi occurrences:	1 per preceding LIN
Function:	segment providing additional product identification.		
Delphi interchange:	**For PIA-7143 = 'EC': the value in the corresponding PIA7140 should be blank, if not known or does not exist**.		

Example: **PIA+1+7:RY+B:EC'**
A B C D E

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	4347	PRODUCT ID. FUNCTION QUALIFIER	M	an..3	+	**M**	an..3	"**1**" = Additional identification
	C212	*ITEM NUMBER IDENTIFICATION*	M			**M**		
B	7140	Item number	C	an..35	:	**M**	an..35	Identification of the year: e.g. 7 = 97; 8 = 98, etc.
C	7143	Item number type, coded	C	an..3	:	**M**	an..3	"**RY**" = Record keeping model year.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C212	*ITEM NUMBER IDENTIFICATION*	C			**C**		
D	7140	Item number	C	an..35	:	**C**	an..35	Identification of the Revision Level
E	7143	Item number type, coded	C	an..3	:	**C**	an..3	"**EC**" = Revision level
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C212	*ITEM NUMBER IDENTIFICATION*	C					
	7140	Item number	C	an..35	:			
	7143	Item number type, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C212	*ITEM NUMBER IDENTIFICATION*	C					
	7140	Item number	C	an..35	:			
	7143	Item number type, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C212	*ITEM NUMBER IDENTIFICATION*	C					
	7140	Item number	C	an..35	:			
	7143	Item number type, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	'			

0580 IMD - ITEM DESCRIPTION

Segment group: 15 [CPS.LIN.IMD] Level: 3
EDIFACT status: conditional Delphi status: conditional
Maximum use: 25 per LIN in segment group 15 Delphi occurrences: as required
Function: segment to describe an item in either an industry or free format.
Delphi interchange: see remarks.

Example: **IMD+++:::IC-BIPOLAR,OSU'**

IMD+++:::DESCRIPTION:DESCRIPTION'
A B

Function:

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	7077	ITEM DESCRIPTION TYPE, CODED	C	an..3	+			
	7081	ITEM CHARACTERISTIC, CODED	C	an..3	+			
	C273	*ITEM DESCRIPTION*	C					
	7009	Item description identification	C	an..17	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
A	7008	Item description	C	an..35	:	C	an..35	Actual description
B	7008	Item description	C	an..35	:	C	an..35	Actual description
	3453	Language, coded	C	an..3	+			
	7383	SURFACE/LAYER INDICATOR, CODED	C	an..3	'			

0600 QTY - QUANTITY

Segment group: 15 [CPS.LIN.QTY] Level: 3
EDIFACT status: conditional Delphi status: mandatory
Maximum use: 10 per preceding LIN Delphi occurrences: max. 2 per segment group 15
Function: segment to give quantity information concerning the product.
Delphi interchange: see remarks.

Example: **QTY+3:286000:C62'**
QTY+12:4000:C62'
A B C

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
Cumulative quantity shipped since start of inventory year						**Mandatory**		
	C186	*QUANTITY DETAILS*	M			M		
A	6063	Quantity qualifier	M	an..3	:	M	an..3	"**3**" = Cumulative quantity.
B	6060	Quantity	M	n..15	:	M	n..12	Cumulative quantity of the part identified in the preceding LIN, shipped since start of inventory year by this supplier to this plant
C	6411	Measure unit qualifier	C	an..3	'	C	an..3	For code value see UN/ECE Recommendation no. 20.
Despatch quantity						**Mandatory**		
	C186	*QUANTITY DETAILS*	M			M		
A	6063	Quantity qualifier	M	an..3	:	M	an..3	"**12**" = Despatch quantity
B	6060	Quantity	M	n..15	:	M	n..12	Actual quantity as defined in 6063 above.
C	6411	Measure unit qualifier	C	an..3	'	C	an..3	For code value see UN/ECE Recommendation no. 20. (This must be the same Unit of Measure provided on the corresponding shipment authorization document.)

0660 NAD - NAME AND ADDRESS

Segment group: 15 [CPS.LIN.QTY]
EDIFACT status: conditional
Level: 1
Delphi status: conditional for VEGA2.0 **mandatory for DELCO Singapore**
Maximum use: 1 per preceding LIN
Delphi occurrences: 1 per preceding LIN
Function: segment for identifying names, addresses
Delphi interchange: used for the Manufacturer Duns#

Example: **NAD+MP+041472986::16'**

NAD+MP+987654321 ::16' Manufacturer Duns#
A B C

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
Manufacturer Duns#						**CONDITIONAL**		
A	3035	PARTY QUALIFIER	M	an..3	+	**C**	an..3	"**MP**" = Manufacturer Duns#
	C082	*PARTY IDENTIFICATION DETAILS*	C			**C**		
B	3039	Party id. Identification	M	an..35	:	**C**	an..35	Code identifying the Manufacturer Duns#.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	**C**	an..3	For code value see below.
	C058	*NAME AND ADDRESS*	C					
	3124	Name and address line	M	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	+			
	C080	*PARTY NAME*	C					
	3036	Party name	M	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3045	Party name format, coded	C	an..3	+			
	C059	*STREET*	C					
	3042	Street and number/P.O. box	M	an..35	:			
	3042	Street and number/P.O.. box	C	an..35	:			
	3042	Street and number/P.O.. box	C	an..35	:			
	3042	Street and number/P.O.. box	C	an..35	+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
	3207	COUNTRY, CODED	C	an..3	'			

3055 - Code list responsible agency, coded

16 DUN & Bradstreet (DUNS)
92 Assigned by buyer or buyer's agent.

0690 FTX - FREE TEXT

Segment group: 15 [CPS.LIN.FTX] Level: 3
EDIFACT status: conditional Delphi status: conditional
Maximum use: 99 per LIN in segment group 15 Delphi occurrences: as required
Function: segment with free text in coded or clear form to give further clarification when required.
Delphi interchange: see remarks.

Example: **FTX+AAI+++TEXT'**
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	4451	TEXT SUBJECT QUALIFIER	M	an..3	+	M	an..3	"**AAI**" = General information.
	4453	TEXT FUNCTION, CODED	C	an..3	+			
	C107	*TEXT REFERENCE*	C					
	4441	Free text, coded	M	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C108	*TEXT LITERAL*	C			C		
B	4440	Free text	M	an..70	:	M	an..70	Textual information.
	4440	Free text	C	an..70	:			
	4440	Free text	C	an..70	:			
	4440	Free text	C	an..70	:			
	4440	Free text	C	an..70	:			
	4440	Free text	C	an..70	+			
	3453	LANGUAGE, CODED	C	an..3	'			

Segment group 16: RFF-NAD-CTA-DTM

Segment group: 16 [CPS.LIN.SG16] Level: 3
EDIFACT status: conditional Delphi status: mandatory
Maximum use: 99 per LIN in segment group 15 Delphi occurrences: 1 per segment group 15
Function: group of segments to give reference numbers and dates.
Delphi interchange: only RFF is used in segment group 16.

0720 RFF - REFERENCE

Segment group: 16 [SEQ.LIN.RFF] Level: 3
EDIFACT status: mandatory if segment group 16 is used Delphi status: mandatory
Maximum use: 1 per segment group 16 (max.99 per LIN) Delphi occurrences: 2 per segment group 16
Function: segment identifying documents related to the line item.
Delphi interchange: see remarks.

Example: **RFF+ON:550002865'**
A B

	EDIFACT STANDARD DEFINITION					Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C506	*REFERENCE*	M			M		
A	1153	Reference qualifier	M	an..3	:	M	an..3	See list
B	1154	Reference number	C	an..35	:	C	an..35	Number of the Purchase Order relevant for the article defined in the preceding LIN.
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

1153 – Reference Number

ON Scheduling Agreement Number

Segment group 20: PCI-DTM-MEA-QTY-SG21-SG22

Segment group:	20 [CPS.LIN.SG20]	Level:	3
EDIFACT status:	conditional	Delphi status:	conditional
Maximum use:	9999 per LIN in segment group 15	Delphi occurrences:	as required
Function:	group of segments identifying one specific package or a number of packages, their marks and numbers, measurements, quantities, date and time information and handling instructions.		
Delphi interchange:	used below LIN segment for transmitting PRIMARY METAL Information. only PCI, MEA and QTY are used in segment group 20.		

0890 PCI - PACKAGE IDENTIFICATION

Segment group:	20 [CPS.LIN.PCI]	Level:	3
EDIFACT status:	mandatory if segment group 20 is used	Delphi status:	mandatory
Maximum use:	1 per segment group 20 (max.9999 per LIN)	Delphi occurrences:	1 per segment group 20
Function:	segment specifying marking and labels used on individual packages or a range of packages.		
Delphi interchange:	see remarks.		

Example: **PCI+15+12345'**
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	4233	MARKING INSTRUCTIONS, CODED	C	an..3	+	C	an..3	For code value see below.
	C210	*MARKS & LABELS*	C			C		
B	7102	Shipping marks	M	an..35	:	M	an..35	Bar-coded Serial Number for PRIMARY METAL
	7102	Shipping marks	C	an..35	:	C	an..35	
	7102	Shipping marks	C	an..35	:	C	an..35	
	7102	Shipping marks	C	an..35	:	C	an..35	
	7102	Shipping marks	C	an..35	:	C	an..35	
	7102	Shipping marks	C	an..35	:	C	an..35	
	7102	Shipping marks	C	an..35	:	C	an..35	
	7102	Shipping marks	C	an..35	:	C	an..35	
	7102	Shipping marks	C	an..35	:	C	an..35	
	7102	Shipping marks	C	an..35	:	C	an..35	
	7102	Shipping marks	C	an..35	+	C	an..35	
	8275	CONTAINER/PACKAGE STATUS, CODED	C	an..3	+			
	C827	*TYPE OF MARKING*	C					
	7511	Type of marking, coded	M	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	'			

CODE VALUES

4233 - Marking instructions, coded

15 Mark supplier number

0910 MEA - MEASUREMENTS

Segment group: 20 [CPS.LIN.PCI.MEA] Level: 4
EDIFACT status: conditional Delphi status: conditional
Maximum use: 10 per PCI in segment group 20 Delphi occurrences: up to 5 per segment group 20
Function: segment specifying physical measurements of packages.
Delphi interchange: see remarks.

Example: **MEA+PD+G+KD:0400'**
MEA+PD+LN+MTR:0400'
A B C D

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	6311	MEASUREMENT PURPOSE QUALIFIER	M	an..3	+	**M**	an..3	"**PD**" = Physical dimensions.
	C502	*MEASUREMENT DETAILS*	C			C		
B	6313	Property measured, coded	C	an..3	:	**M**	an..3	For code value see below.
	6321	Measurement significance, coded	C	an..3	:			
	6155	Measurement attribute identification	C	an..17	:			
	6154	Measurement attribute	C	an..70	+			
	C174	*VALUE/RANGE*	C					
C	6411	Measure unit qualifier	M	an..3	:	**M**	an..3	For code value see UN/ECE Recommendation No. 20.
D	6314	Measurement value	C	an..18	:	**M**	an..18	Actual weight in line with qualifier value indicated in 6313.
	6162	Range minimum	C	n..18	:			
	6152	Range maximum	C	n..18	:			
	6432	Significant digits	C	n..2	+			
	7383	SURFACE/LAYER INDICATOR, CODED	C	an..3	'			

CODE VALUES

6313 - Property measured, coded

G Gross weight
LN Length dimension
Length of pieces or packages stated for transport purposes.
TH Thickness
WD Width dimension
WT Weight

0920 QTY - QUANTITY

Segment group: 20 [CPS.LIN.PCI.QTY]
EDIFACT status: conditional
Maximum use: 1 per PCI in segment group 20
Function: segment to specify quantity per package.
Delphi interchange: see remarks.

Level: 4
Delphi status: conditional
Delphi occurrences: 1 per PCI

Example: **QTY+12:99999:C62'**
A B C

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C186	*QUANTITY DETAILS*	M			M		
A	6063	Quantity qualifier	M	an..3	:	M	an..3	"**12**" = Despatch Quantity
B	6060	Quantity	M	n..15	:	M	n..12	Quantity related to preceding PCI.
C	6411	Measure unit qualifier	C	an..3	'	C	an..3	For code value see UN/ECE Recommendation no. 20.

Segment group 21: GIN-DLM

Segment group:	21 [CPS.LIN.PCI.SG21]	Level:	4
EDIFACT status:	conditional	Delphi status:	conditional
Maximum use:	10 per PCI in segment group 20	Delphi occurrences:	maximum 2 per PCI

Function: group of segments giving package identification numbers and, where relevant, delivery limitation information.

Delphi interchange: only GIN is used in segment group 21.

0940 GIN - GOODS IDENTITY NUMBER

Segment group:	21 [CPS.LIN.PCI.GIN]	Level:	4
EDIFACT status:	mandatory	Delphi status:	mandatory
Maximum use:	1 per segment group 21 (max. 10 per PCI)	Delphi occurrences:	1 per segment group 21

Function: segment providing identification numbers being applied to the packages despatched.

Delphi interchange: used to transmit the heat code and/or lot number when the article number referred to in LIN relates to primary metal.

Example: **GIN+BX+BC123HVU579X'**
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	7405	IDENTITY NUMBER QUALIFIER	M	an..3	+	**M**	an..3	"**BX**" = Batch number
	C208	*IDENTITY NUMBER RANGE*	M			**M**		
B	7402	Identity number	M	an..35	:	**M**	an..35	Heat Code for PRIMARY METAL
	7402	Identity number	C	an..35	+	C	an..35	
	C208	*IDENTITY NUMBER RANGE*	C			C	an..35	
	7402	Identity number	M	an..35	:	M	an..35	
	7402	Identity number	C	an..35	+	C	an..35	
	C208	*IDENTITY NUMBER RANGE*	C			C	an..35	
	7402	Identity number	M	an..35	:	M	an..35	
	7402	Identity number	C	an..35	+	C	an..35	
	C208	*IDENTITY NUMBER RANGE*	C			C	an..35	
	7402	Identity number	M	an..35	:	M	an..35	
	7402	Identity number	C	an..35	+	C	an..35	
	C208	*IDENTITY NUMBER RANGE*	C			C	an..35	
	7402	Identity number	M	an..35	:	M	an..35	
	7402	Identity number	C	an..35	'	C	an..35	

DESCRIPTION OF CPS FOR OUTER PACKING

0380 CPS - CONSIGNMENT PACKING SEQUENCE (7075 = 3)

Segment group: 10 [CPS] Level: 1
EDIFACT status: mandatory if segment group 10 is used Delphi status: mandatory
Maximum use: 1 per segment group 10 (max. 9999) Delphi occurrences: as required
Function: segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.
Delphi interchange: see remarks.

Example: **CPS+2++4'**

CPS+3++3'
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	7164	HIERARCHICAL ID. NUMBER	M	an..12	+	**M**	an..12	A unique number assigned by the sender to identify a level within a hierarchical structure. Begins with the number 1 and increments by one for each occurrence within the message. Numbers are **NOT** to be repeated within the same message.
	7166	HIERARCHICAL PARENT ID.	C	an..12	+			
B	7075	PACKAGING LEVEL, CODED	C	an..3	'	**M**	an..3	"**3**" = Outer. For packed merchandise, outermost level of packaging for a shipment. "**4**" = No packaging hierarchy.

Segment group 11: PAC-MEA-QTY-SG12-SG13

Segment group: 11 [CPS.SG11] Level: 2
EDIFACT status: conditional Delphi status: mandatory, if CPS with code '1' or '3' is used
Maximum use: 9999 per CPS in segment group 10 Delphi occurrences: 1 per segment group 10
Function: group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.
Delphi interchange: only the segment PAC is used in segment group 11. The segment group will be repeated as many times as required to identify all related packaging components and/or handling units.

0410 PAC - PACKAGE

Segment group: 11 [CPS.PAC] Level: 2
EDIFACT status: mandatory if segment group 11 is used Delphi status: mandatory
Maximum use: 1 per segment group 11 (max. 9999 per CPS) Delphi occurrences: 1 per segment group 11
Function: segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.
Delphi interchange:

Example: **PAC+4++PLASTIC SKIDS'**
A B

EDIFACT STANDARD DEFINITION						Delphi IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	7224	NUMBER OF PACKAGES	C	n..8	+	**M**	n..8	Number of packages.
	C531	*PACKAGING DETAILS*	C					
	7075	Packaging level, coded	C	an..3	:			
	7233	Packaging related information, coded	C	an..3	:			
	7073	Packaging terms and conditions, coded	C	an..3	+			
	C202	*PACKAGE TYPE*	C			**M**		
B	7065	Type of packages identification	C	an..17	:	**M**	an..17	Identification of the handling unit (e.g. pallet) or packaging component (e.g. top).
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	7064	Type of packages	C	an..35	+			
	C402	*PACKAGE TYPE IDENTIFICATION*	C					
	7077	Item description type, coded	M	an..3	:			
	7064	Type of packages	C	an..35	:			
	7143	Item number type, coded	C	an..3	:			
	7064	Type of packages	C	an..35	:			
	7143	Item number type, coded	C	an..3	+			
	C532	*RETURNABLE PACKAGE DETAILS*	C					
	8395	Returnable package freight payment responsibility, coded	C	an..3	:			
	8393	Returnable package load contents, coded	C	an..3	'			

3.8. EXAMPLE OF MESSAGE

Following example is only illustrative and does not necessarily reflect an existing situation. It **MAY NEVER** be used as a basis for programming or implementing this message.

UNB+UNOA:1+NS3:ZZ+VG5:ZZ+001119:2141+128++DESADV'	
UNH+1+DESADV :D:97A:UN'	
BGM++123456789+9'	*Shipment Identification Number*
DTM+137:199803051400:203'	*Document issue date/time*
DTM+11:199803051500:203'	*Despatch date/time*
DTM+132:199803061000:203'	*Estimated arrival date/time*
MEA+AAX+G+KD:9999'	*Shipment gross weight*
MEA+AAX+N+KD:9999'	*Shipment net weight*
MEA+AAX+SQ+C62:99'	*Total number of Lading units*
RFF+MB:67223	*Carriers reference number*
NAD+MI+88120::92'	*Material release issuer*
NAD+ST+51269::92'	*Ship to location*
NAD+SU+876543210::16+++++++DE'	*Supplier*
LOC+11+A1-A2	*Delivery dock*
TDT+25++J++B101::92'	*Transport details*
EQD+TE+ABC123456'	*Equipment identification*
CPS+1++1'	*Detail trigger segment 1*
PAC+1++TFK345'	*Packing details part number 1*
PCI+16+0001'	*Package information*
GIR+3+A1A2A3A4:AW	Bar Code label *Serial number*
LIN+++12345678:IN'	*Part number 1*
PIA+1+7:RY+A:EC'	*Record keeping year / Eng Change Lvl Engineering Change part number 1*
QTY+3:99999:C62'	*Qty shipped year-to-date part number 1*
QTY+12:99999:C62'	*Despatched quantity part number 1*
RFF+ON:A1A2A3A4A'	*Purchase order part number 1*
CPS+2++1'	*Detail trigger segment 2*
PAC+1++BCD234'	*Packing details part number 2*
PCI+16+0002'	*Package information*
GIR+3+A1A2A3A5:AW	Bar Code label *Serial number*
LIN+++23456789:IN'	*Part number 2*
PIA+1+7:RY+A:EC'	*Record keeping year / Eng Change Lvl Engineering Change part number 2*
QTY+3:99999:C62'	*Qty shipped year-to-date part number 2*
QTY+12:99999:C62'	*Despatched quantity part number 2*
RFF+ON:B1B2B3B4B'	*Purchase order part number 2*
CPS+3++3'	*First line item of outer Package*
PAC+10+TOP'	*Identification of Handling Unit (e.g. top)*
CPS+4++3'	*Second line item of outer Package*
PAC+10+PALLET'	*Identification of Handling Unit (e.g. top*
UNT+35+1'	
UNZ+1+1234'	

For ease of reading the message has been shown with each segment type on a separate line, which will not be the case when the message is normally transmitted.

Following example is only illustrative and does not necessarily reflect an existing situation. It **MAY NEVER** be used as a basis for programming or implementing this message.

UNB+UNOA:1+NS3:ZZ+VG5:ZZ+001119:2141+128++DESADV'	
UNH+1+DESADV :D:97A:UN'	
BGM+:::?+123456789+9'	*Shipment Identification Number*
DTM+137:199803051400:203'	*Document issue date/time*
DTM+11:199803051500:203'	*Despatch date/time*

DTM+132:199803061000:203'	*Estimated arrival date/time*
MEA+AAX+G+KD:9999'	*Shipment gross weight*
MEA+AAX+N+KD:9999'	*Shipment net weight*
MEA+AAX+SQ+C62:99'	*Total number of Lading units*
RFF+CN:35'	*Carriers reference number*
NAD+MI+88120::92'	*Material release issuer*
NAD+ST+51269::92'	*Ship to location*
NAD+SU+876543210::16+++++++DE'	*Supplier*
LOC+11+A1-A2	*Delivery dock*
TDT+25++J++B101::92'	*Transport details*
EQD+TE+ABC123456'	*Equipment identification*
CPS+1++4'	*Detail trigger segment 1*
PAC+1++TFK345'	*Packing details part number 1*
PCI+16+0001'	*Package information*
GIR+3+A1A2A3A4:AW	Bar Code label *Serial number*
LIN+++12345678:IN'	*Part number 1*
PIA+1+7:RY+A:EC'	*Record keeping year / Eng Change Lvl Engineering Change part number 1*
QTY+3:99999:C62'	*Qty shipped year-to-date part number 1*
QTY+12:99999:C62'	*Despatched quantity part number 1*
RFF+ON:A1A2A3A4A'	*Purchase order part number 1*
CPS+2++4'	*Detail trigger segment 2*
PAC+1++BCD234'	*Packing details part number 2*
PCI+16+0002'	*Package information*
GIR+3+A1A2A3A5:AW	Bar Code label *Serial number*
LIN+++23456789:IN'	*Part number 2*
PIA+1+7:RY+A:EC'	*Record keeping year / Eng Change Lvl Engineering Change part number 2*
QTY+3:99999:C62'	*Qty shipped year-to-date part number 2*
QTY+12:99999:C62'	*Despatched quantity part number 2*
RFF+ON:B1B2B3B4B'	*Purchase order part number 2*
UNT+31+1'	
UNZ+1+1234'	

For ease of reading the message has been shown with each segment type on a separate line, which will not be the case when the message is normally transmitted.

4. MESSAGE INFORMATION

This section contains additional information related to the EDIFACT DESADV D97.A message.

4.1. PACKAGING INFORMATION

The transmission of packaging information is done in different steps: the innermost packaging, i.e. the one containing the parts is transmitted in the PAC segment preceding the LIN segment containing the related part number (segment group 10 with CPS/7075 = 1); the other packaging components like the pallet or cover are identified in PAC segments transmitted after all the LIN segments (segment group 10 with CPS/7075 = 3).

Whenever the type of packaging is the small parts plastic VDA container (KLT) three different occurrences of PAC may be required. This depends on the circumstances, i.e., whether the containers are loaded on a pallet and whether a cover is used to protect the upper layer. The KLT related information is detailed per article number whereas the pallet and cover details are provided on a consignment basis. The sequence of the segments will be as shown below.

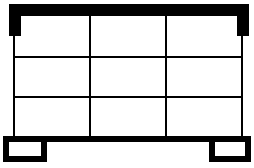
0380.CPS	Detail trigger segment 1 - 7075 = 1
0410.PAC	KLT type identification and number of KLT's
0560.LIN	Part number 1
...	Part number details
0380.CPS	Detail trigger segment 2 - 7075 = 1
0410.PAC	KLT type identification and number of KLT's
0560.LIN	Part number 1
...	Part number details
0380.CPS	Detail trigger segment 3 - 7075 = 1
...	...
0380.CPS	Detail trigger segment N - 7075 = 3
0410.PAC	Pallet type identification and number of pallets
0380.CPS	Detail trigger segment N+1 - 7075 = 3
0410. PAC	Cover type identification and number of covers

Following 5 examples are meant to illustrate the above.

Note: to make the examples easier to understand not all LIN related segments have been included. In the message they MUST be included.

EXAMPLE 1: one part number on one pallet with one cover.

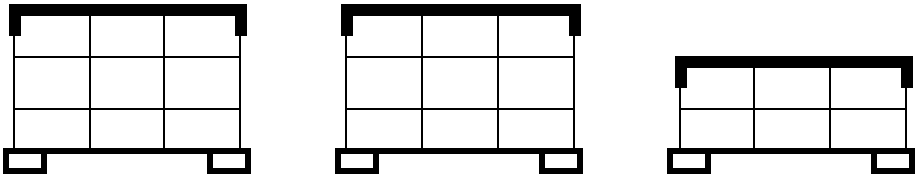
Situation: 2700 pieces of part number 999999990 are despatched in 27 containers type KLT3214. The 27 KLT containers are loaded on one pallet type V011 and one cover type V053 is used to protect the upper layer.



CPS+1++1'	1st CPS segment
PAC+27+KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999990:IN'	Part number 1
QTY+12:2700:C62'	Despatched quantity part number 1
CPS+2++3'	2nd CPS segment
PAC+1+V011'	Number of pallets and pallet type
CPS+3++3'	3rd CPS segment
PAC+1+V053'	Number of covers and cover type

EXAMPLE 2: one part number on several pallets with several covers.

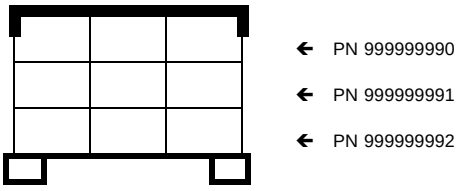
Situation: 7200 pieces of part number 999999990 are despatched in 72 containers type KLT3214. The 72 KLT's are loaded on 3 pallets type V011 and 3 covers type V053 are used.



CPS+1++1'	1st CPS segment
PAC+72+KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999990:IN'	Part number 1
QTY+12:7200:C62'	Despatched quantity part number 1
CPS+2++3'	2nd CPS segment
PAC+3+V011'	Number of pallets and pallet type
CPS+3++3'	3rd CPS segment
PAC+3+V053'	Number of covers and cover type

EXAMPLE 3 : different part numbers in same container type on one pallet with one cover.

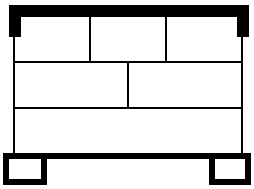
Situation: 900 pieces of part number 999999990, 1800 pieces of part number 999999991 and 450 pieces of part number 999999992 are despatched. Each part number is loaded in 9 containers type KLT3214. The 27 KLT's are loaded on 1 pallet type V011 and 1 cover type V053 is used.



CPS+1++1'	1st CPS segment
PAC+9+KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999990:IN'	Part number 1
QTY+12:900:C62'	Despatched quantity part number 1
CPS+2++1'	2nd CPS segment
PAC+9+KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999991:IN'	Part number 2
QTY+12:1800:C62'	Despatched quantity part number 2
CPS+3++1'	3rd CPS segment
PAC+9+KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999992:IN'	Part number 3
QTY+12:450:C62'	Despatched quantity part number 3
CPS+4++3'	4th CPS segment
PAC+1+V011'	Number of pallets and pallet type
CPS+5++3'	5th CPS segment
PAC+1+V053'	Number of covers and cover type

EXAMPLE 4 : different part numbers in different container types on one pallet with one cover.

Situation: 900 pieces of part number 999999990 in 9 containers type KLT3214; 1200 pieces of part number 999999993 in 4 containers type KLT3215 and 300 pieces of part number 999999994 in 2 containers type KLT3216. The 15 KLT's are loaded on 1 pallet type V011 and 1 cover type V053 is used.



CPS+1++1'	1st CPS segment
PAC+9+KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999990:IN'	Part number 1
QTY+12:900:C62'	Despatched quantity part number 1
CPS+2++1'	2nd CPS segment
PAC+4+KLT3215'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999993:IN'	Part number 2
QTY+12:1200:C62'	Despatched quantity part number 2
CPS+3++1'	3rd CPS segment
PAC+2+KLT3216'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999994:IN'	Part number 3
QTY+12:300:C62'	Despatched quantity part number 3
CPS+4++3'	4th CPS segment
PAC+1+V011'	Number of pallets and pallet type
CPS+5++3'	5th CPS segment
PAC+1+V053'	Number of covers and cover type

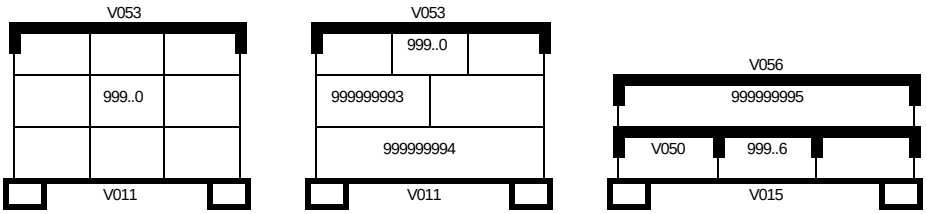
Example 5 : different part numbers in different container types on different pallets with different covers.

Situation: following quantities are despatched:

Pallet 1: (V011 and 1 cover V053) 2700 pieces of part number 999999990 are despatched in 27 containers type KLT3214.

Pallet 2: (V011 and 1 cover V053) 900 pieces of part number 999999990 in 9 containers type KLT3214; 1200 pieces of part number 999999993 in 4 containers type KLT3215 and 300 pieces of part number 999999994 in 2 containers type KLT3216.

Pallet 3: (V015, 3 covers V056 and 6 covers V050) 75 pieces of part number 999999995 in 3 containers type KLT3217 each with one cover V056 and 360 pieces of part number 999999996 in 9 containers KLT3218 each with one cover V050.



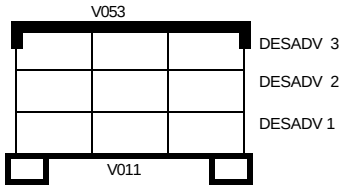
CPS+1++1'	1st CPS segment
PAC+27+KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999990:IN'	Part number 1
QTY+12:2700:C62'	Despatched quantity part number 1
CPS+2++1'	2nd CPS segment
PAC+9+KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999990:IN'	Part number 2
QTY+12:900:C62'	Despatched quantity part number 2
CPS+3++1'	3rd CPS segment
PAC+9+KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999991:IN'	Part number 3
QTY+12:1800:C62'	Despatched quantity part number 3
CPS+4++1'	4th CPS segment
PAC+9+KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999992:IN'	Part number 4
QTY+12:450:C62'	Despatched quantity part number 4
CPS+5++1'	5th CPS segment
PAC+3+KLT3217'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999995:IN'	Part number 5
QTY+12:75:C62'	Despatched quantity part number 5
CPS+6++1'	6th CPS segment
PAC+9+KLT3218'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999996:IN'	Part number 6
QTY+12:360:C62'	Despatched quantity part number 6
CPS+7++3'	7th CPS segment
PAC+2+V011'	Number of pallets and pallet type
CPS+8++3'	8th CPS segment
PAC+1+V015'	Number of pallets and pallet type

CPS+9++3'	9th CPS segment
PAC+2+V053'	Number of covers and cover type
CPS+10++3'	10th CPS segment
PAC+1+V056'	Number of covers and cover type
CPS+11++3'	11th CPS segment
PAC+9+V050'	Number of covers and cover type

Example 6 : different Despatch Advices on one pallet.

Situation:

Different Despatch Advices are grouped and the material is shipped on only one pallet with only one cover. In this case the interchange should be structured as follows:



UNH+...	Message 1 header
BGM++123456789+9'	Identification of message 1
...	
CPS+1++1'	1st CPS segment
PAC+9++KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999990:IN'	Part number 1
QTY+12:2700:C62'	Despatched quantity part number 1
CPS+2++3'	2nd CPS segment
PAC+1++V011'	Number of pallets and pallet type
CPS+3++3'	3rd CPS segment
PAC+1++V053'	Number of covers and cover type
UNT+...	Message 1 trailer
UNH+...	Message 2 header
BGM++123456790+9'	Identification of message 2
...	
CPS+1++1'	1st CPS segment
PAC+9++KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999991:IN'	Part number 2
QTY+12:900:C62'	Despatched quantity part number 2
UNT+...	Message 2 trailer
UNH+...	Message 3 header
BGM++123456791+9'	Identification of message 3
CPS+1++1'	1st CPS segment
PAC+9++KLT3214'	KLT details
PCI+16+0001'	Package information
GIR+3+A1A2A3A4:AW	Bar Code label Serial number
LIN+1++999999992:IN'	Part number 3
QTY+12:1800:C62'	Despatched quantity part number 3
UNT+	Message 3 trailer

4.2. SEGMENTS REPERTORY

The following tables show all the data segments defined for the EDIFACT DESADV D97.A message, used as basis for the Delphi ASN/Despatch Advice message.

4.2.1. Segments in alphabetical sequence

4.2.2. Segments in segment tag sequence

Tag	Segment name
ALI	Additional information
BGM	Beginning of message
CNT	Control total
COM	Communication contact
CPS	Consignment packing sequence
CTA	Contact information
DGS	Dangerous goods
DLM	Delivery limitations
DTM	Date/time/period
EQA	Attached equipment
EQD	Equipment details
FTX	Free text
GIN	Goods identity number
GIR	Related identification numbers

HAN	Handling instructions
IMD	Item description

Tag	Segment name
LIN	Line item
LOC	Place/location identification
MEA	Measurements
MOA	Monetary amount
NAD	Name and address
PAC	Package
PCD	Percentage details
PCI	Package identification
PIA	Additional product id
QTY	Quantity
QVR	Quantity variances
RFF	Reference
SEL	Seal number
SGP	Split goods placement
TDT	Details of transport
TOD	Terms of delivery or transport

4.3. DATA ELEMENTS REPERTORY

The following listings show all the data elements defined for the EDIFACT DESADV D97.A message, used as basis for the Delphi Delivery Instruction message.

4.3.1. Service data elements in alphabetical sequence

List of data elements defined for the UNB, UNH, UNT and UNZ service segments.

Recipient's Reference / Password Qualifier 0025
Routing Address 0014

Sender Identification 0004

Data element name	Tag
Sequence Message Transfer Number	0070
Syntax Identifier	0001
Syntax Version Number	0002
Test Indicator	0035
Time of Preparation	0019

4.3.2. Service data elements in tag sequence

Tag	Data element name	Segment(s)
0001	Syntax Identifier	UNB
0002	Syntax Version Number	UNB
0004	Sender Identification	UNB
0007	Identification Code Qualifier	UNB
0008	Address for Reverse Routing	UNB
0010	Recipient Identification	UNB
0014	Routing Address	UNB
0017	Date of Preparation	UNB
0019	Time of Preparation	UNB
0020	Interchange Control Reference	UNB, UNZ
0022	Recipient's Reference / Password	UNB
0025	Recipient's Reference / Password Qualifier	UNB
0026	Application Reference	UNB
0029	Processing Priority Code	UNB
0031	Acknowledgment Request	UNB
0032	Communications Agreement ID	UNB
0035	Test indicator	UNB
0036	Interchange Control Count	UNZ
0051	Controlling Agency	UNH
0052	Message Type Version Number	UNH
0054	Message Type Release Number	UNH
0057	Association Assigned Code	UNH
0062	Message Reference Number	UNH, UNT
0065	Message Type Identifier	UNH
0068	Common Access Reference	UNH
0070	Sequence Message Transfer Number	UNH
0073	First/last Message Indicator	UNH
0074	Number of Segments in Message	UNT

4.3.3. Data elements in alphabetical sequence

List of data elements defined for the data segments contained in this message.

Data element name	Tag
Action request/notification, coded	1229
Back order, coded	4455
Carrier identification	3127
Carrier name	3128
Category of means of transport, coded	8325
Change reason	4294
Change reason, coded	4295
City name	3164

Data element name	Tag

Data element name Tag

4.3.4. Data elements in tag sequence

Tag	Data element name	Segment(s)
1000	Document/message name	BGM
1001	Document/message name, coded	BGM
1004	Document/message number	BGM
1056	Version	BGM
1060	Revision number	BGM
1082	Line item number	LIN
1131	Code list qualifier	BGM, DLM, EQA, EQD, FTX, HAN, IMD, LIN, LOC, PAC, PCD, PCI, PIA, QVR, SEL, SGP, TDT, TOD
1153	Reference qualifier	RFF
1154	Reference number	RFF
1156	Line number	RFF
1222	Configuration level	LIN

Tag	Data element name	Segment(s)
1225	Message function, coded	BGM
1229	Action request/notification, coded	LIN
2005	Date/time/period qualifier	DTM
2379	Date/time/period format qualifier	DTM
2380	Date/time/period	DTM
3035	Party qualifier	NAD
3036	Party name	NAD
3039	Party id. Identification	NAD
3042	Street and number/P.O.. box	NAD
3045	Party name format, coded	NAD
3055	Code list responsible agency, coded	BGM, DLM, EQA, EQD, FTX, HAN, IMD, LIN, LOC, PAC, PCD, PCI, PIA, QVR, SEL, SGP, TDT, TOD
3124	Name and address line	NAD
3127	Carrier identification	TDT
3128	Carrier name	TDT
3139	Contact function, coded	CTA
3148	Communication number	COM
3155	Communication channel qualifier	COM
3164	City name	NAD
3207	Country, coded	EQA, EQD, NAD, SGP
3222	Related place/location one	LOC
3223	Related place/location one Id.	LOC
3224	Place/location	LOC
3225	Place/location identification	LOC
3227	Place/location qualifier	LOC
3229	Country sub-entity identification	NAD
3232	Related place/location two	LOC
3233	Related place/location two Id	LOC
3239	Country of origin, coded	ALI
3251	Postcode identification	NAD
3412	Department or employee	CTA
3413	Department or employee identification	CTA
3453	Language, coded	FTX, IMD
4000	Reference version number	RFF
4052	Terms of delivery or transport	TOD
4053	Terms of delivery or transport, coded	TOD
4055	Terms of delivery or transport function, coded	TOD
4078	Handling instructions	HAN
4079	Handling instructions, coded	HAN
4183	Special conditions, coded	ALI
4215	Transport charges method of payment, coded	TOD
4221	Discrepancy, coded	QVR

4233	Marking instructions, coded	PCI
4294	Change reason	QVR
4295	Change reason, coded	QVR
4343	Response type, coded	BGM
4347	Product Id. function qualifier	PIA
4400	Instruction	DLM
4401	Instruction, coded	DLM
4403	Instruction qualifier	DLM
4405	Status, coded	GIR, MOA
4440	Free text	FTX
4441	Free text, coded	FTX
4451	Text subject qualifier	FTX
4453	Text function, coded	FTX
4455	Back order, coded	DLM
4457	Product/service substitution, coded	DLM
4517	Seal condition, coded	SEL
5004	Monetary amount	MOA
Tag	Data element name	Segment(s)
5025	Monetary amount type qualifier	MOA
5246	Percentage qualifier	PCD
5249	Percentage basis, coded	PCD
5479	Relation, coded	LOC
5482	Percentage	PCD
5495	Sub-line indicator, coded	LIN
6060	Quantity	QTY
6063	Quantity qualifier	QTY, QVR
6064	Quantity difference	QVR
6152	Range maximum	MEA
6154	Measurement attribute	MEA
6155	Measurement attribute identification	MEA
6162	Range minimum	MEA
6311	Measurement purpose qualifier	MEA
6313	Property measured, coded	MEA
6314	Measurement value	MEA
6321	Measurement significance, coded	MEA
6343	Currency qualifier	MOA
6345	Currency, coded	MOA
6411	Measure unit qualifier	DGS, MEA, QTY
6432	Significant digits	MEA
7008	Item description	IMD
7009	Item description identification	IMD
7064	Type of packages	PAC
7065	Type of packages identification	PAC
7073	Packaging terms and conditions, coded	PAC
7075	Packaging level, coded	CPS, PAC
7077	Item description type, coded	IMD, PAC
7081	Item characteristic, coded	IMD
7083	Configuration, coded	LIN
7088	Dangerous goods flashpoint	DGS
7102	Shipping marks	PCI
7106	Shipment flashpoint	DGS
7124	UNDG number	DGS
7130	Customer authorization number	TDT
7140	Item number	LIN, PIA
7143	Item number type, coded	LIN, PAC, PIA
7160	Special service	DLM
7161	Special services, coded	DLM

7164	Hierarchical ID. number	CPS
7166	Hierarchical parent ID.	CPS
7224	Number of packages	PAC, SGP
7233	Packaging related information, coded	PAC
7297	Set identification qualifier	GIR
7383	Surface/layer indicator, coded	IMD; MEA
7402	Identity number	GIN, GIR
7405	Identity number qualifier	GIN, GIR
7418	Hazardous material class	HAN
7419	Hazardous material class code, id	HAN
7511	Type of marking, coded	PCI
8028	Conveyance reference number	TDT
8051	Transport stage qualifier	TDT
8053	Equipment qualifier	EQA, EQD
8066	Mode of transport	TDT
8067	Mode of transport, coded	TDT
8077	Equipment supplier, coded	EQD
8078	Hazard substance/item/page number	DGS
8092	Hazard code version number	DGS
8101	Transit direction, coded	TDT

Tag	Data element name	Segment(s)
8126	TREM card number	DGS
8154	Equipment size and type	EQD
8155	Equipment size and type id.	EQD
8158	Hazard identification number, upper part	DGS
8169	Full/empty indicator, coded	EQD
8178	Type of means of transport	TDT
8179	Type of means of transport identification	TDT
8186	Substance identification number, lower part	DGS
8211	Permission for transport, coded	DGS
8212	Id. of the means of transport	TDT
8213	Id. of means of transport identification	TDT
8249	Equipment status, coded	EQD
8246	Dangerous goods label marking	DGS
8255	Packing instruction, coded	DGS
8260	Equipment identification number	EQA,EQD, SGP
8273	Dangerous goods regulations, coded	DGS
8275	Container package status, coded	PCI
8281	Transport ownership, coded	TDT
8325	Category of means of transport, coded	DGS
8339	Packing group, coded	DGS
8351	Hazard code identification	DGS
8364	EMS number	DGS
8393	Returnable package load contents, coded	PAC
8395	Returnable package freight payment responsibility, coded	PAC
8410	MFAG	DGS
8453	Nationality of means of transport, coded	TDT
8457	Excess transportation reason, coded	TDT
8459	Excess transportation responsibility, coded	TDT
9213	Type of duty regime, coded	ALI
9302	Sealing party	SEL
9303	Sealing party, coded	SEL
9308	Seal number	SEL