
	EDIFACT DESADV D.97A	Issue / Checked by:	B2B-EDI Systems
		Issued / Checked Date:	13/12/2017
		Document Version:	1.0
INFORMATION SYSTEMS EDI NORMATIVE			

GRUPO ANTOLIN STANDARD

Despatch Advice Message EDIFACT DESADV D.97A


GRUPO ANTOLIN

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Purpose


This Standard describes the specifications of GRUPO ANTOLIN for suppliers concerning the usage of EDIFACT DESADV D.97A for the Despatch Advice Message.

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1. Message Definition

1.1. Principles

The 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 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 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 Despatch Advice Message 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 Despatch Advice Message is sent immediately after the departure of the material.

1.2. References

The content of this message is based on:

- ❖ the message structure as defined by EDIFACT for the Despatch Advice Message DESADV as published in the UN/EDIFACT D.97A 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.
- ❖ although the AVIEXP subset defined by EDIFACT has been based on the EDIFACT D96. A Directory, the subset defined by GA and described in this document follows as close as possible the structure of the EDIFACT subset.

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1.3. Field of Application

The following definition of an Despatch Advice Message in EDIFACT format is applicable for the interchange of shipping instructions issued by GRUPO ANTOLIN (GA) for material deliveries to one or more GA operations.

2. Message Description

Following pages contain a full description of the EDIFACT DESADV D.97A message as implemented by GA. All segments are included regardless whether used or not used in the interchange with GA. The official EDIFACT segment description is complemented with remarks pertaining to the specific requirements for an interchange with GA. Those remarks contain specific code values used, additional information on the values shown in a specific field, etc.


2.1. Introduction

2.1.1. How to read the documentation

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

- CE **0020** **BGM - BEGINNING OF MESSAGE**
- Segment group: none. Level: 1.
 - Ž EDIFACT status: mandatory. GA status: mandatory.
 - Maximum use: 1 per message. GA occurrences: 1 per message.
 - Function: segment for the unique identification of the delivery schedule document, by means of its name and its number.
 - GA interchange: see remarks.
 - ‘ Example: **BGM+351+12+5’**
A B C

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C002	DOCUMENT/MESSAGE NAME	C			C		
	1001	Document/message name, coded	C	an..3	:	C	an..3	'351' = Despatch Advice Message
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	1000	Document/message name	C	an..35	+			
B	C106	DOCUMENT/MESSAGE IDENTIFICATION	C					
	1004	Document/message	C	an..35	:	C	an..35	GA assigned release

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		number						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	'			


⑩ **COMMENTS**

⑩ **CODE VALUES**

LEGEND

- segment position in the message structure, segment tag and segment name.
- identification (when applicable) of the segment group in which the segment is situated and indication at which level the segment is in the message.
- status of the segment: as defined by EDIFACT and by GA.
- number of occurrences of the segment: as defined by EDIFACT and as used by GA.
- description of the function of the segment as defined by EDIFACT and as used by GA.
- 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.
- definition of the segment content as defined by EDIFACT and as implemented by GA.
- identification of the data elements in the segment 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.

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- + **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 GA.

- Shaded areas in the GA description mean that the data elements is not used by GA.
- 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 GA.
 - + code values to be used for data elements contained in the message.

2.1.2. 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**.

2.2. Segment Table


The following table shows the segments defined for the EDIFACT DESADV D.97A Despatch Advice Message. Shaded areas identify the segments that are not used in the subset of DESADV used by GA. 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	

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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	TerGA 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			
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			

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0460	FTX	Free text	C	10			
0470		Segment group 13	C	1000			
0480	PCI	Package identification	M	1			
0490	RFF	Reference	C	1			
0500	DTM	Date/time/period	C	5			
0510	GIR	Related identification numbers	C	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.	C	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			

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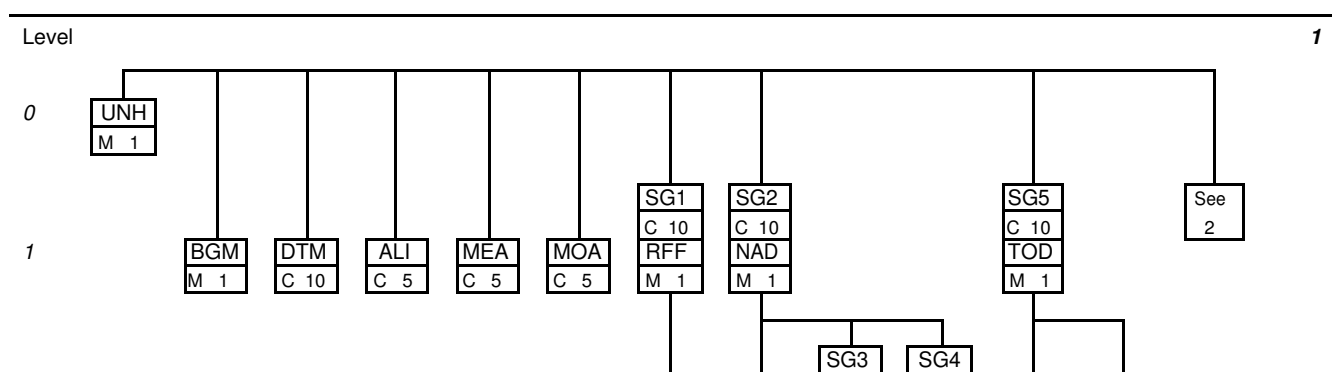
0880		Segment group 20	C	9999		
0890	PCI	Package identification	M	1		
0900	DTM	Date/time/period	C	5		
0910	MEA	Measurements	C	10		
0920	QTY	Quantity	C	1		
0930		Segment group 21	C	10		
0940	GIN	Goods identity number	M	1		
0950	DLM	Delivery limitations	C	100		
0960		Segment group 22	C	10		
0970	HAN	Handling 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		


2.3. 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.

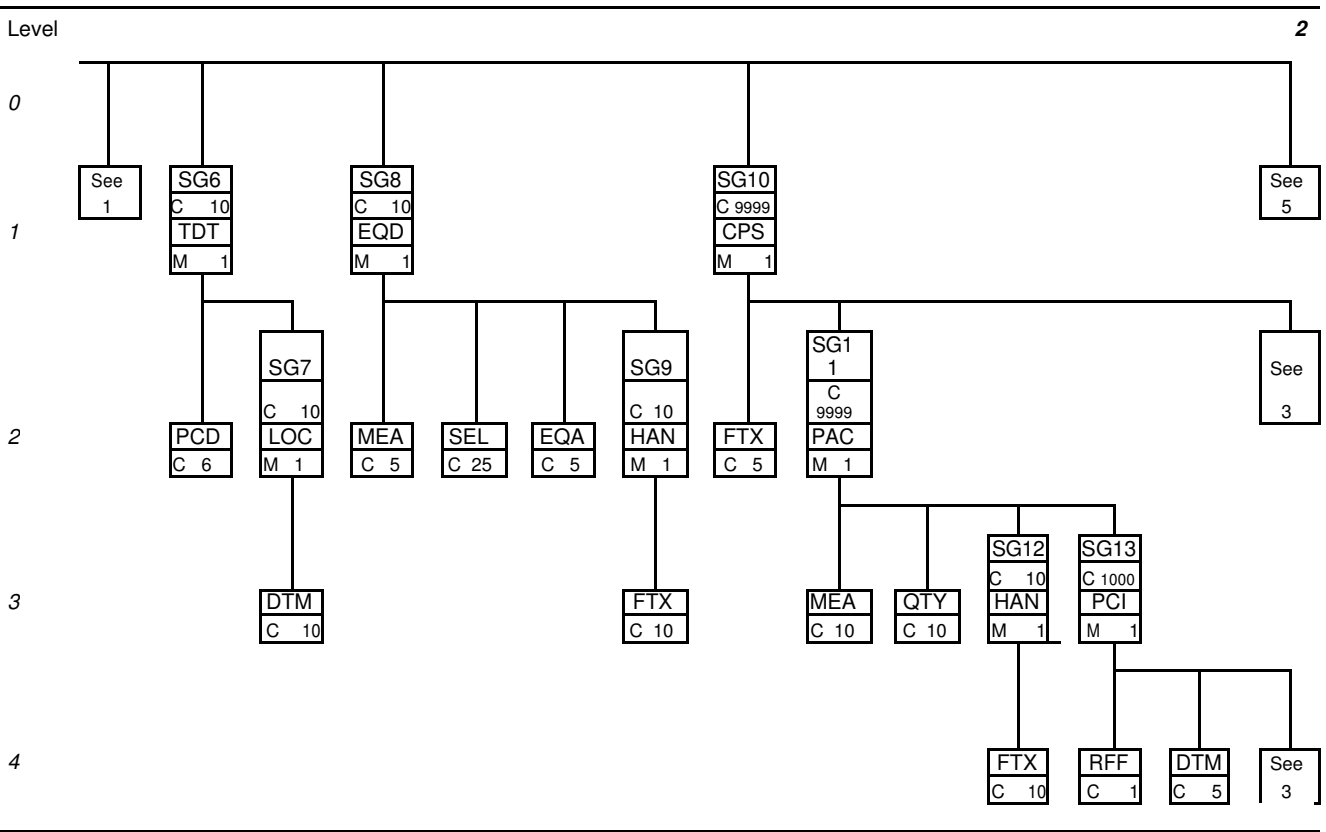
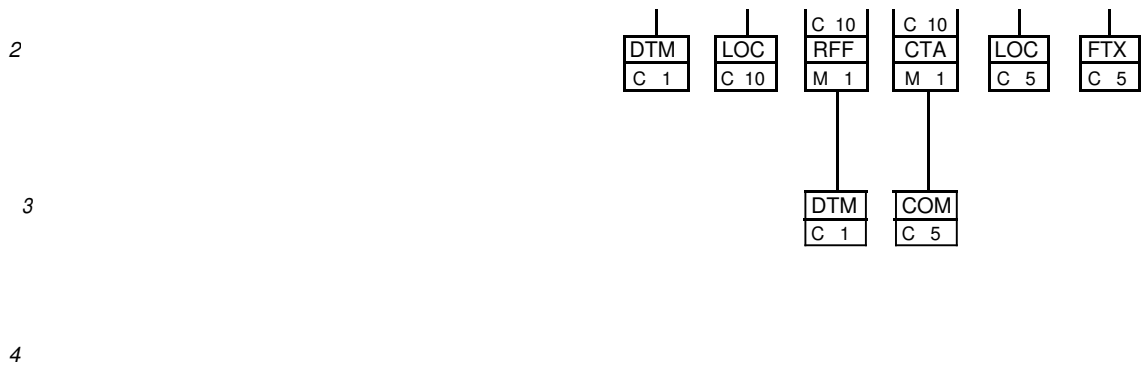
A segment is a pre-defined set of functionally related values (e.g., segment NAD groups all values that relate to a Party: name - address - etc.)


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.



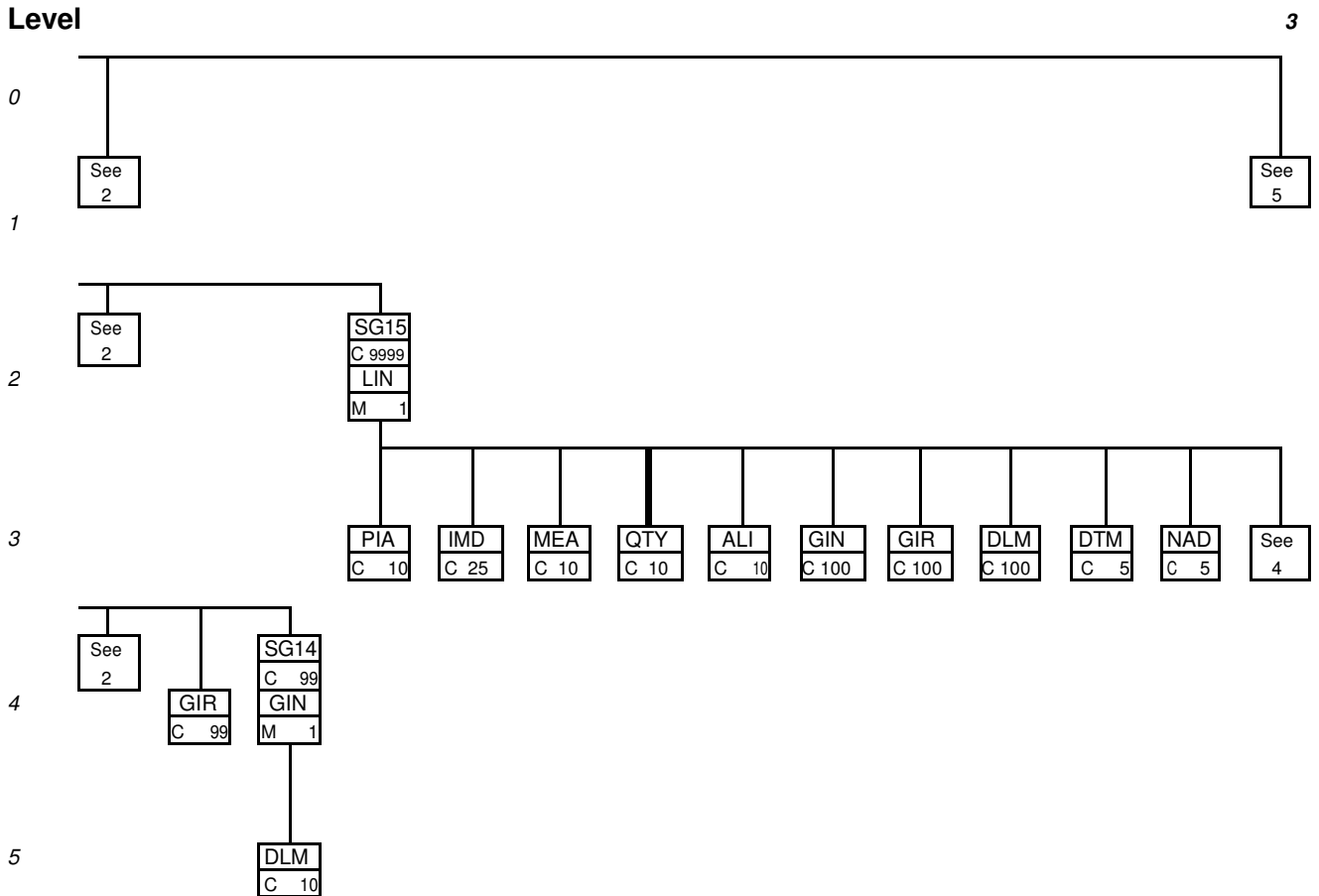
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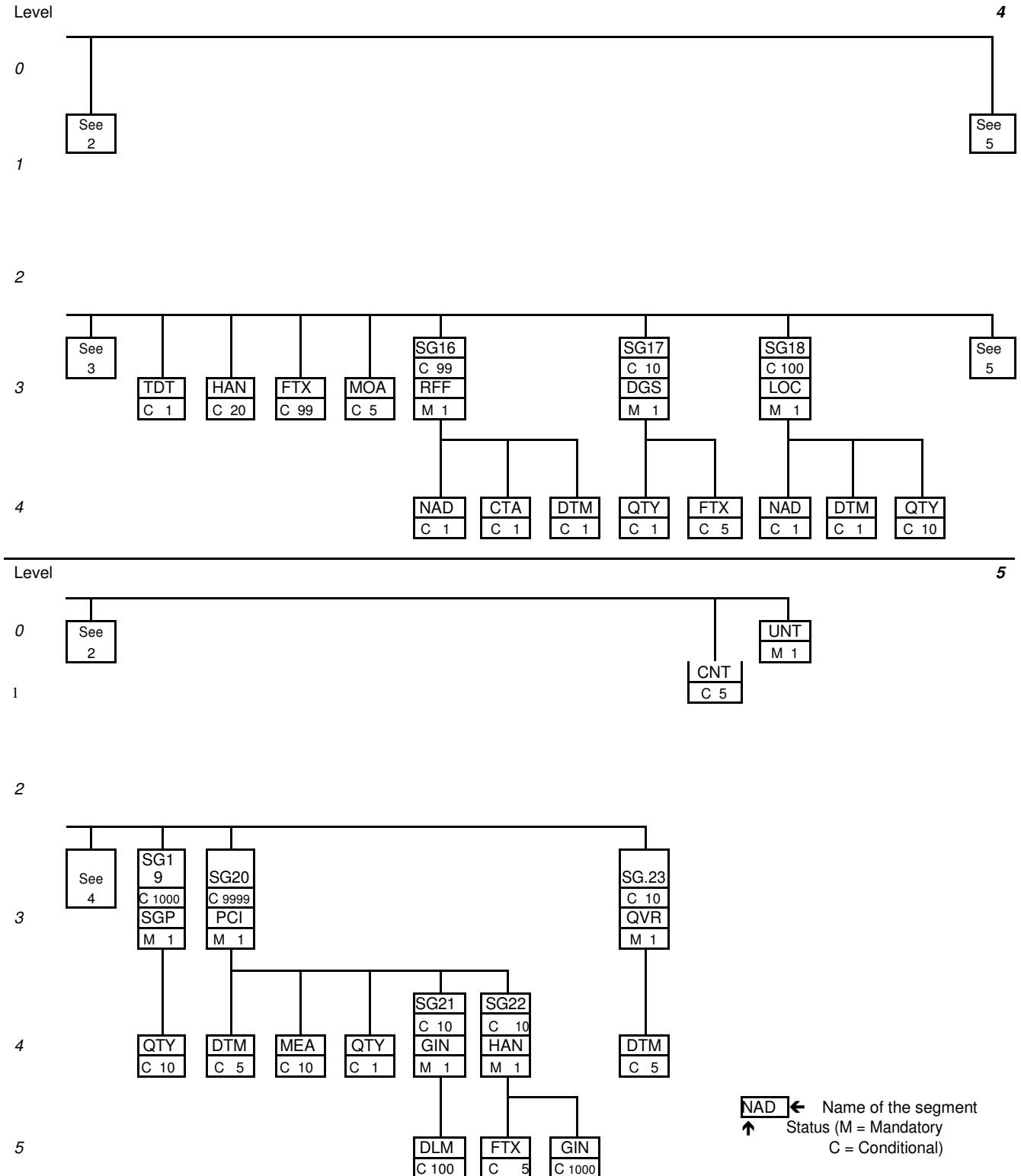
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2.4. Message Standard Description

This section provides the description of the UN Standard Message DESADV as defined in the D.97A Directory. Only the segments printed in bold are used in the subset defined by MS and will be further explained in section 2.6.

2.4.1. 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.

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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.

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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.

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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.

2.4.2. 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.

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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

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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.

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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.

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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.

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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.

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2.4.3. 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 a total number of segments in the message and the control reference number of the message


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2.5. Message Structure

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

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
0380-1.CPS	Detail trigger segment 1
0410.[CPS].PAC	Package details for part number 1
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	Engineering change
0600.[CPS.LIN].QTY	Despatched quantity for part number 1
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
0380-2.CPS	Detail trigger segment 2
0410.[CPS].PAC	Package details for part number 2
0560.[CPS].LIN	Part number 2
0570.[CPS.LIN].PIA	Record keeping year
0600.[CPS.LIN].QTY	Despatched quantity for part number 2
0720.[CPS.LIN].RFF	Purchase order for part number 2
0380-3.CPS	Detail trigger segment 3
...	Details for part number 3
0380-n.CPS	Detail trigger segment N
0410.[CPS].PAC	Package component 1 details
...	...
1040.UNT	End of message

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2.6. Service Segments Description

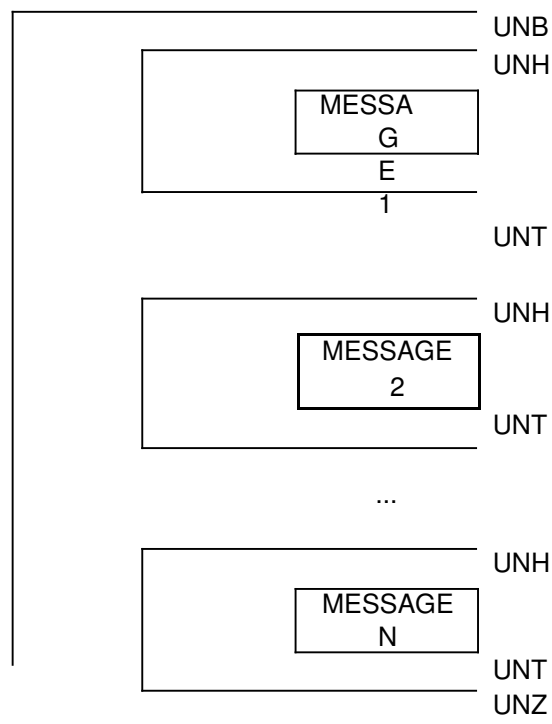
Following service segments are as defined by UN/EDIFACT and presented under ISO 9735.

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 GA implementation must be included in the message. Missing or incorrect entries will result in the rejection of the message.

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								year.
J	S005	<i>RECIPIENTS REFERENCE PASSWORD</i>	C			C		
	0022	Recipient's reference / password	M	an..14	:	M	an..14	Recipients password
	0025	Recipient's reference / password qualifier	C	an2	+			
K	0026	APPLICATION REFERENCE	C	an..14	+	C	an..14	Reference specified by the recipient. May be used to identify the message on the recipient's system.
	0029	PROCESSING PRIORITY CODE	C	a1	+			
	0031	ACKNOWLEDGEMENT REQUEST	C	n1	+			
	0032	COMMUNICATIONS AGREEMENT ID	C	an..35	+			
	0035	TEST INDICATOR	C	n1	'			

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2.7. Data Segment Description

This part includes only the segments defined in the standard and used in the subset exchanged between the Trading Partners and GA. 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 GA are included in alphabetical sequence under item 3.9.

NOTE:

All data elements marked "M" for Mandatory in the "ST" field of the GA 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	GA status:	mandatory
Maximum use:	1 per message	GA occurrences:	1 per message
Function:	segment for unique identification of the Despatch Advice Message document, by means of its name and its number.		

GA interchange:

Example:

BGM+351+123456789+9'
A B

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C002	<i>DOCUMENT/MESSAGE NAME</i>	C					
	1001	Document/message name, coded	C	an..3	:	C	an..3	"351" = Despatch Advice Message
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	1000	Document/message name	C	an..35	+			
	C106	<i>DOCUMENT/MESSAGE IDENTIFICATION</i>	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

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D	6314	Measurement value	C	an..18			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	<i>MEASUREMENT DETAILS</i>	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	:			
C	6154	Measurement attribute	C	an..70	+			
	C174	<i>VALUE/RANGE</i>	C					
D	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.								

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
Shipped Quantity								
A	6311	MEASUREMENT PURPOSE QUALIFIER	M	an..3	+	M	an..3	"AAX" = Consignment measurements.
	C502	<i>MEASUREMENT DETAILS</i>	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	:			
C	6154	Measurement attribute	C	an..70	+			
	C174	<i>VALUE/RANGE</i>	C					
D	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.								

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2.7.1. Segment group 1: RFF-DTM

Segment group:	1	Level:	1
EDIFACT status:	conditional	GA status:	mandatory
Maximum use:	10 per message at level 1	GA occurrences:	max. 2 per message
Function:	group of segments giving references where necessary, their dates relating to the whole message, e.g. contract number.		
GA 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	GA status:	mandatory
Maximum use:	1 per segment group 1	GA occurrences:	1 per segment group 1
Function:	segment for referencing documents relating to the whole Despatch Advice Message message, e.g. purchase orders, delivery instructions, import/export license.		
GA interchange:	At least one iteration is mandatory.		

Example:

RFF+MB:1006996175'
 A B

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
Carrier's reference number								
A	C506 1153	<i>REFERENCE</i> Reference qualifier	M M	an..3	:	M M	an..3	"CN" = Carrier's reference number. Number as referenced in 1153 above.
B	1154	Reference number	C	an..35	:	M	an..35	
	1156 4000	Line number Reference version number	C C	an..6 an..35	:			
Master bill of lading number								
A	C506 1153	<i>REFERENCE</i> Reference qualifier	M M	an..3	:	M M	an..3	"MB" = Master bill of lading number. Number as referenced in 1153 above.
B	1154	Reference number	C	an..35	:	M	an..35	
	1156 4000	Line number Reference version number	C C	an..6 an..35	:			

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2.7.2. Segment group 2: NAD-LOC-SG3-SG4

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

0110 NAD - Name and Address

Segment group: 02 [NAD] Level: 1
EDIFACT status: mandatory if segment group 02 is used GA status: mandatory
Maximum use: 1 per segment group 02 (max. 10) GA occurrences: 1 per segment group 2
Function: segment for identifying names, addresses, and their functions relevant to the whole Despatch Advice Message.
GA interchange: The message may contain max. 5 NAD segments as detailed below. GA 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 GA.


Example:

NAD+MI+648553642::16'	Material issuer
NAD+ST+648553642::16'	Ship To
NAD+SU+876543210::16++++++DE'	Supplier
NAD+SF+765432109::16'	Ship From
NAD+OB+397327888::16'	Ordered by
A B C D	

Planning schedule/material release issuer

MANDATORY - must always be transmitted

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"MI" = Planning schedule/material release issuer.
B	C082	<i>PARTY IDENTIFICATION DETAILS</i>	C			M		
	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the material release issuer. For code value see below.
C	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
	C058	<i>NAME AND ADDRESS</i>	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	:			

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3124	Name and address line	C	an..35	+			
C080	<i>PARTY NAME</i>	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	<i>STREET</i>	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	'			

Ship to

MANDATORY - must always be transmitted

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"ST" = Ship to.
	C082	<i>PARTY IDENTIFICATION DETAILS</i>	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	<i>NAME AND ADDRESS</i>	C		+			
	C080	<i>PARTY NAME</i>	C		+			
	C059	<i>STREET</i>	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.								

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GRUPO ANTOLIN STANDARD

Supplier


MANDATORY - must always be transmitted

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"SU" = Supplier.
	C082	<i>PARTY IDENTIFICATION DETAILS</i>	C			M		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the supplier. For code value see below.
C	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
	C058	<i>NAME AND ADDRESS</i>	C		+			
	C080	<i>PARTY NAME</i>	C		+			
	C059	<i>STREET</i>	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	
REST OF SEGMENT NOT USED.								

Ship from

Conditional - must only be transmitted if different from SU

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"SF" = Ship from. (Delivery Party).
	C082	<i>PARTY IDENTIFICATION DETAILS</i>	C			M		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the Ship from Location
C	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
	C058	<i>NAME AND ADDRESS</i>	C		+			
	C080	<i>PARTY NAME</i>	C		+			
	C059	<i>STREET</i>	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.								

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GRUPO ANTOLIN STANDARD

Ordered by.

Only used for Ship Direct

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

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"OB" = Ordered by.
	C082	<i>PARTY IDENTIFICATION DETAILS</i>	C			M		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the ordering party.
C	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
	C058	<i>NAME AND ADDRESS</i>	C		+			
	C080	<i>PARTY NAME</i>	C		+			
	C059	<i>STREET</i>	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.								

CODE VALUES

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


Code Value has to be in line with the information given in DELFOR/DELJIT.

3055 - Code list responsible agency, coded

DUN & Bradstreet (DUNS)

3207 - Country, coded

EUROPEAN UNION	OTHERS
AT	Austria
BE	Belgium
CA	Canada
CH	Switzerland
CZ	Czech Republic
DE	Germany
DK	Spain
FI	Finland
FR	France
GB	United Kingdom
GR	Greece
IE	Ireland
IT	Italy
LU	Luxembourg
NL	Netherlands
PL	Poland

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3232	Related place/location two	C	an..70	+				
5479	RELATION, CODED	C	an..3	'				

2.7.3. Segment group 6: TDT-PCD-SG7

Segment group: 6 Level: 1
 EDIFACT status: conditional GA status: mandatory
 Maximum use: 10 per message at level 1 GA 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 Message.
 GA 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 GA status: mandatory
 Maximum use: 1 per segment group 6 (max. 10) GA occurrences: 1 per segment group 6
 Function: segment specifying the carriage, and the mode and means of transport of the goods being despatched.

GA interchange:

Example:

TDT+12++J++A1A2A3A4::92'
TDT+25++J++A1A2A3A4::92++G:S'
 AB C DE F

EDIFACT STANDARD DEFINITION						GA 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	+			
	C22 0	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	+			
	C22 8	TRANSPORT MEANS	C					
	8179	Type of means of transport id.	C	an..8	:			
C	8178	Type of means of transport	C	an..17	+			
	C04 0	CARRIER	C			M		
	3127	Carrier identification	C	an..17	:	M	an..17	Code identifying the carrier. SCAC if available.
	1131	Code list qualifier	C	an..3	:			

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D	3055	Code list responsible agency, coded	C	an..3	:	C	an..3	For code value see below.
	3128	Carrier name	C	an..35	+			
	8101	TRANSIT DIRECTION, CODED	C	an..3	+			
E	C401	<i>EXCESS TRANSPORTATION INFORMATION</i>	C			C		
	8457	Excess transportation reason, coded	M	an..3	:	M	an..3	Indication of the reason for excess transportation. For code values see below.
F	8459	Excess transportation responsibility, coded	M	an..3	:	M	an..3	
	7130	Customer authorization number	C	an..17	+	C	an..17	
	C222	<i>TRANSPORT IDENTIFICATION</i>	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

- 92** Assigned by buyer or buyer's agent
- 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.

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8067 - Mode of transport, coded

General Codes to be used for GA, more detailed Codes may need to be implemented on request of GA 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

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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

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

Segment group: 8 Level: 1
 EDIFACT status: conditional GA status: mandatory
 Maximum use: 10 per message at level 1 GA 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 Message.
 GA 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 GA status: mandatory
 Maximum use: 1 per segment group 8 (max. 10) GA occurrences: 1 per segment group 8
 Function: segment to define fixed information regarding equipment used in conjunction with the whole Despatch Advice Message, and if required, to indicate responsibility for supply of the equipment.
 GA interchange: see remarks.

Example:

EQD+TE+ABC123456'
A

EDIFACT STANDARD DEFINITION						GA 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	<i>EQUIPMENT IDENTIFICATION</i>	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	<i>EQUIPMENT SIZE AND</i>	C					

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	<i>TYPE</i>							
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	GA status:	conditional
Maximum use:	25 per EQD in segment group 8	GA occurrences:	maximum 2 per EQD
Function:	segment to specify a seal number related to equipment.		
GA interchange:	see remarks.		

Example:

SEL+12345ABD'
A

EDIFACT STANDARD DEFINITION						GA 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	'			

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0380 CPS - Consignment Packing Sequence (7075 = 1)

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

Example:


CPS+1++1'
 A B

EDIFACT STANDARD DEFINITION						GA 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. For GA this includes all KLT containers.
- 3** Outer
 For packed merchandise, outermost level of packaging for a shipment. For GA this includes the cover(s) and pallet(s) if KLT are used.
Description of CPS for outer package level is provided on page 60 in line with the message structure.
- 4** No packaging hierarchy.
 There is no specifiable level of packaging: packaging is inner and outer level as well. For GA this includes containers used as transportation and handling unit and which are not put on a pallet (KLT are not included in this category).

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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	'			

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

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


0480 PCI - Package Identification

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

Example:

PCI+16'
 A

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	4233	MARKING INSTRUCTIONS, CODED	C	an..3	+	M	an..3	"16" = Buyer's instructions.
	C210	MARKS & LABELS	C					
	7102	Shipping marks	M	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					

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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 GA status: conditional
Maximum use: 1 per PCI in segment group 13 GA occurrences: 1 per PCI in segment group 13
Function: segment for referencing the package identification, e.g. master label number.
GA interchange: see remarks.

Example:


RFF+CW:A1A2A3A4A'
A B

EDIFACT STANDARD DEFINITION						GA 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. Number as qualified in 1153 above.
B	1154	Reference number	C	an..35	:	M	an..35	
	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.

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0510 GLR- Related Identification Numbers

Segment group: 13 [CPS.PAC.PCI.GIR] Level: 4
 EDIFACT status: conditional GA status: conditional
 Maximum use: 99 per PCI in segment group 13 GA occurrences: up to 2 segment group 13
 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
 GA interchange: see remarks.

Example:

GIR+3+A1A2A3A4:AW+A00026:AL'
 A B C D E

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	7297	SET IDENTIFICATION QUALIFIER	M	an..3	+	M	an..3	"3" = Package.
	C206	<i>IDENTIFICATION NUMBER</i>	M			M		
B	7402	Identity number	M	an..35	:	M	an..35	Actual identity number
C	7405	Identity number qualifier	C	an..3	:	C	an..3	"AW" = Serial Shipping Container code.
	4405	Status, coded	C	an..3	+			
	C206	<i>IDENTIFICATION NUMBER</i>	C			C		
D	7402	Identity number	M	an..35	:	M	an..35	Actual identity number
E	7405	Identity number qualifier	C	an..3	:	C	an..3	"AL" = Kanban Card No.
	4405	Status, coded	C	an..3	+			
	C206	<i>IDENTIFICATION NUMBER</i>	C					
	7402	Identity number	M	an..35	:			
	7405	Identity number qualifier	C	an..3	:			
	4405	Status, coded	C	an..3	+			
	C206	<i>IDENTIFICATION NUMBER</i>	C					
	7402	Identity number	M	an..35	:			
	7405	Identity number qualifier	C	an..3	:			
	4405	Status, coded	C	an..3	+			
	C206	<i>IDENTIFICATION NUMBER</i>	C					
	7402	Identity number	M	an..35	:			
	7405	Identity number qualifier	C	an..3	:			
	4405	Status, coded	C	an..3	+			

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0570 PIA - Additional Product ID

Segment group:	15 [CPS.LIN.PIA]	Level:	3
EDIFACT status:	conditional	GA status:	conditional
Maximum use:	10 per LIN in segment group 15	GA occurrences:	1 per preceding LIN
Function:	segment providing additional product identification.		
GA interchange:	see remarks.		

Example:

PIA+1+YAP 5437/92:EC'
 A B C

EDIFACT STANDARD DEFINITION					GA 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
B	C212	ITEM NUMBER IDENTIFICATION	M			M		Engineering-Change-Number - has to be in line with the information given in DELFOR/DELJIT
	7140	Item number	C	an..35	:	M	an..35	
C	7143	Item number type, coded	C	an..3	:	M	an..3	"EC" = Engineering Change.
	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	+			
	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	+			

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0600 QTY – Quantity

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

Example:

QTY+3:99999:C62'
QTY+12:99999:C62'
 AB C

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

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2.7.9. Segment group 16: RFF-NAD-CTA-DTM

Segment group:	16 [CPS.LIN.SG16]	Level:	3
EDIFACT status:	conditional	GA status:	mandatory
Maximum use:	99 per LIN in segment group 15	GA occurrences:	1 per segment group 15
Function:	group of segments to give reference numbers and dates.		
GA 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	GA status:	mandatory
Maximum use:	1 per segment group 16 (max.99 per LIN)	GA occurrences:	1 per segment group 16
Function:	segment identifying documents related to the line item.		
GA interchange:	see remarks.		

Example:

RFF+ON:A1A2A3A4A'
 A B

REF	EDIFACT STANDARD DEFINITION					GA IMPLEMENTATION		
	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C506	<i>REFERENCE</i>	M			M		
A	1153	Reference qualifier	M	an..3	:	M	an..3	"ON" = Order number. Number of the Purchase Order relevant for the article defined in the preceding LIN.
B	1154	Reference number	C	an..35	:	C	an..35	
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

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

Segment group: 20 [CPS.LIN.SG20] Level: 3
EDIFACT status: conditional GA status: conditional
Maximum use : 9999 per LIN in segment group 15 GA 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.
GA 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 GA status: mandatory
Maximum use: 1 per segment group 20 (max.9999 per LIN) GA occurrences: 1 per segment group 20
Function: segment specifying marking and labels used on individual packages or a range of packages.
GA interchange: see remarks.


Example:

PCI+15+12345'
AB

EDIFACT STANDARD DEFINITION						GA 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.
B	C210	<i>MARKS & LABELS</i>	C			C		Barcoded Serial Number for PRIMARY METAL
	7102	Shipping marks	M	an..35	:	M	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	<i>TYPE OF MARKING</i>	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

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0920 QTY – Quantity

Segment group: 20 [CPS.LIN.PCI.QTY] Level: 4
 EDIFACT status: conditional GA status: conditional
 Maximum use: 1 per PCI in segment group 20 GA occurrences: 1 per PCI
 Function: segment to specify quantity per package.
 GA interchange: see remarks.


Example:

QTY+52:99999:C62'
 ABC

EDIFACT STANDARD DEFINITION						GA IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C186 6063	<i>QUANTITY DETAILS</i> Quantity qualifier	M			M		
B	6060	Quantity	M	an..3	:	M	an..3	"52" = Quantity per package
C	6411	Measure unit qualifier	M	n..15	:	M	n..12	Quantity related to preceding PCI.
			C	an..3	'	C	an..3	For code value see UN/ECE Recommendation no. 20.

2.7.11. Segment group 21: GIN-DLM

Segment group: 21 [CPS.LIN.PCI.SG21] Level: 4
 EDIFACT status: conditional GA status: conditional
 Maximum use: 10 per PCI in segment group 20 GA occurrences: maximum 2 per PCI
 Function: group of segments giving package identification numbers and, where relevant, delivery limitation information.
 GA interchange: only GIN is used in segment group 21.

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0940 GLN - Goods Identity Number

Segment group: 21 [CPS.LIN.PCI.GIN] Level: 4
EDIFACT status: mandatory GA status: mandatory
Maximum use: 1 per segment group 21 (max. 10 per PCI) GA occurrences: 1 per segment group 21
Function: segment providing identification numbers being applied to the packages despatched.
GA interchange: used to transmit the heat code when the article number referred to in LIN relates to primary metal.

Example:

GIN+BX+BC123HVU579X'
A B

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

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2.7.12. 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 GA status: mandatory
Maximum use: 1 per segment group 10(max. 9999) GA occurrences: as required
Function: segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.
GA interchange: see remarks.


Example:

CPS+36++3'
A B

EDIFACT STANDARD DEFINITION						GA 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.

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

Segment group: 11 [CPS.SG11] Level: 2
EDIFACT status: conditional GA status: mandatory, if CPS with code '1' or '3' is used
Maximum use: 9999 per CPS in segment group 10 GA occurrences: 5 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. Identification of the container and dunnage used for the shipment of the part number identified in the following LIN segment.
GA 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.

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0410 PAC – Package


Segment group: 11 [CPS.PAC] Level: 2
 EDIFACT status: mandatory if segment group 11 is used GA status: mandatory
 Maximum use: 1 per segment group 11(max. 9999 per CPS) GA 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.

GA interchange:

Example:

PAC+10++ABC123'
 A B

EDIFACT STANDARD DEFINITION						GA 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	<i>PACKAGING DETAILS</i>	C					
	7075	Packaging level, coded	C	an..3	:			
	7233	Packaging related information, coded	C	an..3	:			
	7073	Packaging terGA and conditions, coded	C	an..3	+			
B	C202	<i>PACKAGE TYPE</i>	C			M		
	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	<i>PACKAGE TYPE IDENTIFICATION</i>	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	<i>RETURNABLE PACKAGE DETAILS</i>	C					
8395	Returnable package freight payment responsibility, coded	C	an..3	:				
8393	Returnable package load contents, coded	C	an..3	:				

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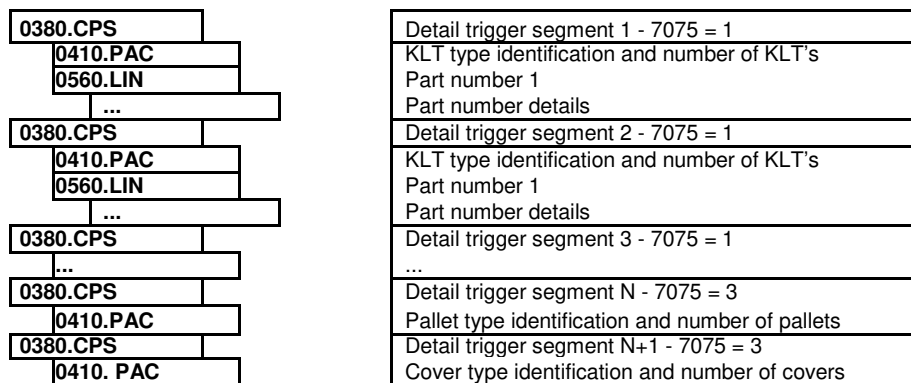
3. Message Information

This section contains additional information related to the EDIFACT DESADV D.97A message.

3.1. 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.



Following 7 examples are meant to illustrate the above.

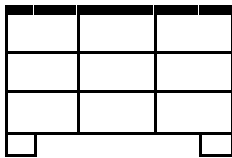
Note: to make the examples easier to understand not all LIN related segments have been included. In the message they MUST be included.

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

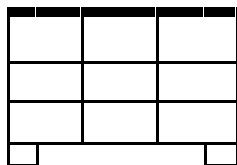
Situation: 2700 pieces of part number 999999990 are despatched in 27 containers type KLT3214. The 27 KLT containers are loaded on one pallet type V011 and one cover type V053 is used to protect the upper layer.



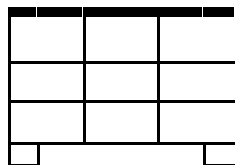
CPS+1++1'	1 st CPS segment
PAC+27+KLT3214'	KLT details
LIN+++999999990:IN'	Part number 1
QTY+3:2700:C62'	Cumulative quantity shipped to date
QTY+12:2700:C62'	Despatched quantity part number 1
CPS+2++3'	2 nd CPS segment
PAC+1+V011'	Number of pallets and pallet type
CPS+3++3'	3 rd CPS segment
PAC+1+V053'	Number of covers and cover type

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

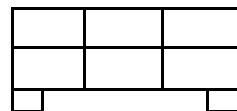
Situation: 7200 pieces of part number 999999990 are despatched in 72 containers type KLT3214. The 72 KLT's are loaded on 3 pallets type V011 and 3 covers type V053 are used.



27 KLT




27 KLT



18 KLT

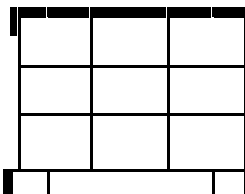
CPS+1++1'	1 st CPS segment
PAC+72+KLT3214'	KLT details
LIN+++999999990:IN'	Part number 1
QTY+3:14400:C62'	Cumulative quantity shipped to date
QTY+12:7200:C62'	Despatched quantity part number 1
CPS+2++3'	2 nd CPS segment
PAC+3+V011'	Number of pallets and pallet type
CPS+3++3'	3 rd CPS segment
PAC+3+V053'	Number of covers and cover type

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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.



- ← PN 999999990
- ← PN 999999991
- ← PN 999999992

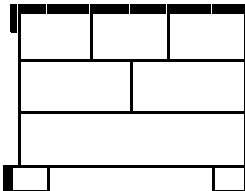
CPS+1++1'	1 st CPS segment
PAC+9+KLT3214'	KLT details
LIN+++999999990:IN'	Part number 1
QTY+3:27000:C62'	Cumulative quantity shipped to date
QTY+12:900:C62'	Despatched quantity part number 1
CPS+2++1'	2 nd CPS segment
PAC+9+KLT3214'	KLT details
LIN+++999999991:IN'	Part number 2
QTY+3:1800:C62'	Cumulative quantity shipped to date
QTY+12:1800:C62'	Despatched quantity part number 2
CPS+3++1'	3 rd CPS segment
PAC+9+KLT3214'	KLT details
LIN+++999999992:IN'	Part number 3
QTY+3:1800:C62'	Cumulative quantity shipped to date
QTY+12:450:C62'	Despatched quantity part number 3
CPS+4++3'	4 th CPS segment
PAC+1+V011'	Number of pallets and pallet type
CPS+5++3'	5 th CPS segment
PAC+1+V053'	Number of covers and cover type

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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.



- ← PN 999999990 - 9 KLT.
- ← PN 999999993 - 4 KLT.
- ← PN 999999994 - 2 KLT.

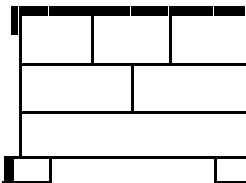
CPS+1++1'	1 st CPS segment
PAC+9+KLT3214'	KLT details
LIN+++999999990:IN'	Part number 1
QTY+3:1800:C62'	Cumulative quantity shipped to date
QTY+12:900:C62'	Despatched quantity part number 1
CPS+2++1'	2 nd CPS segment
PAC+4+KLT3215'	KLT details
LIN+++999999993:IN'	Part number 2
QTY+3:2400:C62'	Cumulative quantity shipped to date
QTY+12:1200:C62'	Despatched quantity part number 2
CPS+3++1'	3 rd CPS segment
PAC+2+KLT3216'	KLT details
LIN+++999999994:IN'	Part number 3
QTY+3:1200:C62'	Cumulative quantity shipped to date
QTY+12:300:C62'	Despatched quantity part number 3
CPS+4++3'	4 th CPS segment
PAC+1+V011'	Number of pallets and pallet type
CPS+5++3'	5 th CPS segment
PAC+1+V053'	Number of covers and cover type

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EXAMPLE 5: one part numbers in different container types on one pallet with one cover.

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



- ← PN 999999990 - 9 KLT.
- ← PN 999999990 - 4 KLT.
- ← PN 999999990 - 2 KLT.

CPS+1++1'	1 st CPS segment
PAC+9+KLT3214'	KLT details
PAC+4+KLT3215'	KLT details
PAC+2+KLT3216'	KLT details
LIN+++999999990:IN'	Part number 1
QTY+3:5800:C62'	Cumulative quantity shipped to date
QTY+12:2700:C62'	Despatched quantity part number 1
CPS+2++3'	2 nd CPS segment
PAC+1+V011'	Number of pallets and pallet type
CPS+3++3'	CPS segment
PAC+1+V053'	Number of covers and cover type

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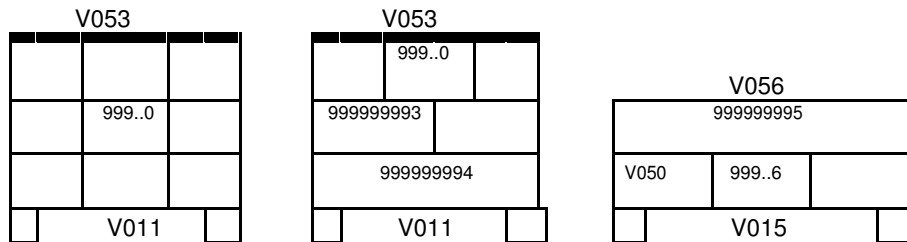
EXAMPLE 6: different part numbers in different container types on different pallets with different covers.

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'	1 st CPS segment
PAC+27+KLT3214'	KLT details
LIN+++999999990:IN'	Part number 1
QTY+3:5400:C62'	Cumulative quantity shipped to date
QTY+12:2700:C62'	Despatched quantity part number 1
CPS+2++1'	2 nd CPS segment
PAC+9+KLT3214'	KLT details
LIN+++999999990:IN'	Part number 2
QTY+3:1800:C62'	Cumulative quantity shipped to date
QTY+12:900:C62'	Despatched quantity part number 2
CPS+3++1'	3 rd CPS segment
PAC+9+KLT3214'	KLT details
LIN+++999999991:IN'	Part number 3
QTY+3:7200:C62'	Cumulative quantity shipped to date
QTY+12:1800:C62'	Despatched quantity part number 3
CPS+4++1'	4 th CPS segment
PAC+9+KLT3214'	KLT details
LIN+++999999992:IN'	Part number 4
QTY+3:900:C62'	Cumulative quantity shipped to date
QTY+12:450:C62'	Despatched quantity part number 4
CPS+5++1'	5 th CPS segment
PAC+3+KLT3217'	KLT details
LIN+++999999995:IN'	Part number 5
QTY+3:600:C62'	Cumulative quantity shipped to date
QTY+12:75:C62'	Despatched quantity part number 5
CPS+6++1'	6 th CPS segment
PAC+9+KLT3218'	KLT details
LIN+++999999996:IN'	Part number 6

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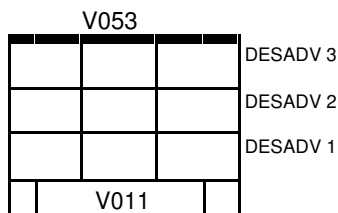
QTY+3:7200:C62'	Cumulative quantity shipped to date
QTY+12:360:C62'	Despatched quantity part number 6
CPS+7++3'	7 th CPS segment
PAC+2+V011'	Number of pallets and pallet type
CPS+8++3'	8 th CPS segment
PAC+1+V015'	Number of pallets and pallet type
CPS+9++3'	9 th CPS segment
PAC+2+V053'	Number of covers and cover type
CPS+10++3'	10 th CPS segment
PAC+1+V056'	Number of covers and cover type
CPS+11++3'	11 th CPS segment
PAC+9+V050'	Number of covers and cover type

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EXAMPLE 7: 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:



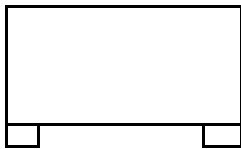
UNH+...	Message 1 header
BGM++123456789+9'	Identification of message 1
...	
CPS+1++1'	1 st CPS segment
PAC+9++KLT3214'	KLT details
LIN+++999999990:IN'	Part number 1
QTY+3:5400:C62'	Cumulative quantity shipped to date
QTY+12:2700:C62'	Despatched quantity part number 1
CPS+2++3'	2 nd CPS segment
PAC+1++V011'	Number of pallets and pallet type
CPS+3++3'	3 rd 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'	1 st CPS segment
PAC+9++KLT3214'	KLT details
LIN+++999999991:IN'	Part number 2
QTY+3:2700:C62'	Cumulative quantity shipped to date
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'	1 st CPS segment
PAC+9++KLT3214'	KLT details
LIN+++999999992:IN'	Part number 3
QTY+3:3600:C62'	Cumulative quantity shipped to date
QTY+12:1800:C62'	Despatched quantity part number 3
UNT+	Message 3 trailer

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EXAMPLE 8: one part number in one transportation container.

Situation: 2700 pieces of part number 999999990 are despatched in 3 containers type V154.



CPS+1+++4'	1 st CPS segment
PAC+3+V154'	Container details
LIN+++999999990:IN'	Part number 1
QTY+3:5400:C62'	Cumulative quantity shipped to date
QTY+12:2700:C62'	Despatched quantity part number 1

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3.2. SEGMENTS REPERTORY

The following tables show all the data segments defined for the EDIFACT DESADV D.97A message, used as basis for the MS ASN/Despatch Advice message.

3.2.1. Segments in alphabetical sequence


<u>Segment name</u>	<u>Tag</u>
Additional information	ALI
Additional product id	PIA
Attached equipment	EQA
Beginning of message	BGM
Communication contact	COM
Consignment packing sequence	CPS
Contact information	CTA
Control total	CNT
Dangerous goods	DGS
Date/time/period	DTM
Delivery limitations	DLM
Details of transport	TDT
Equipment details	EQD
Free text	FTX
Goods identity number	GIN
Handling instructions	HAN
Item description	IMD
Line item	LIN
Measurements	MEA
Monetary amount	MOA
Name and address	NAD
Package	PAC
Package identification	PCI
Percentage details	PCD
Place/location identification	LOC
Quantity	QTY
Quantity variances	QVR
Reference	RFF
Related identification numbers	GIR
Seal number	SEL
Split goods placement	SGP
Terms of delivery or transport	TOD

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3.2.2. Segments in segment tag sequence

<u>Tag</u>	<u>Segment name</u>
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
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

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3.3. DATA ELEMENTS REPERTORY

The following listings show all the data elements defined for the EDIFACT DESADV D.97A message, used as basis for the MS Delivery Instruction message.

3.3.1. Service data elements in alphabetical sequence

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

<u>Data element name</u>	<u>Tag</u>
Acknowledgment Request	0031
Address for Reverse Routing	0008
Application Reference	0026
Association Assigned Code	0057
Common Access Reference	0068
Communications Agreement ID	0032
Controlling Agency	0051
Date of Preparation	0017
First / Last Message Indicator	0072
Identification Code Qualifier	0007
Interchange Control Count	0036
Interchange Control Reference	0020
Message Reference Number	0062
Message Type Identifier	0065
Message Type Release Number	0054
Message Type Version Number	0052
Number of Segments in Message	0074
Processing Priority Code	0029
Recipient Identification	0010
Recipient's Reference / Password	0022
Recipient's Reference / Password Qualifier	0025
Routing Address	0014
Sender Identification	0004
Sequence Message Transfer Number	0070
Syntax Identifier	0001


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Syntax Version Number.....	0002
Test Indicator	0035
Time of Preparation	0019

3.3.2. Service data elements in tag sequence

<u>Tag</u>	<u>Data element name</u>	<u>Segment(s)</u>
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


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3.3.3. Data elements in alphabetical sequence


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

<u>Data element name</u>	<u>Tag</u>
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
Code list qualifier	1131
Code list responsible agency, coded	3055
Communication channel qualifier	3155
Communication number	3148
Configuration, coded	7083
Configuration level	1222
Contact function, coded	3139
Container package status, coded	8275
Country, coded	3207
Country of origin, coded	3239
Country sub-entity identification	3229
Conveyance reference number	8028
Currency, coded	6345
Currency qualifier	6343
Customer authorization number	7130
Dangerous goods flashpoint	7088
Dangerous goods label marking	8246
Dangerous goods regulations, coded	8273
Date/time/period	2380
Date/time/period format qualifier	2379
Date/time/period qualifier	2005
Delivery plan status indicator, coded	4017
Delivery requirements, coded	4493
Department or employee	3412

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Department or employee identification	3413
Despatch pattern, coded	2015
Despatch pattern timing, coded	2017
Discrepancy, coded	4221
Document/message name	1000
Document/message name, coded	1001
Document/message number	1004
EMS Number	8364
Equipment identification number	8260
Equipment qualifier	8053
Equipment size and type	8154
Equipment size and type id	8155
Equipment status, coded	8249
Equipment supplier, coded	8077
Excess transportation reason, coded	8457
Excess transportation responsibility, coded	8459
Free text	4440
Free text, coded	4441
Frequency, coded.	2013
Full/empty indicator, coded	8169
Id. of means of transport identification	8213
Id. of the means of transport	8212
Identity number	7402
Identity number qualifier	7405
Instruction	4400
Instruction, coded	4401
Instruction qualifier	4403
Item characteristic, coded	7081
Item description	7008
Item description identification	7009
Item description type, coded	7077
Item number	7140
Item number type, coded	7143
Language, coded	3453
Line item number	1082
Line number	1156

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Marking instructions, coded .	4233
Measurement attribute	6154
Measurement attribute identification	6155
Measurement purpose qualifier	6311
Measurement significance, coded	6321
Measurement value	6314
Measure unit qualifier	6411
Message function, coded	1225
MFAG	8410
Mode of transport	8066
Mode of transport, coded.	8067
Monetary amount	5004
Monetary amount type qualifier	5025
Name and address line	3124
Nationality of means of transport, coded	8453
Number of packages	7224
Packaging level, coded	7075
Packaging related information, coded	7233
Packaging terms and conditions, coded	7073
Packing group, coded	8339
Packing instruction, coded	8255
Party id. Identification	3039
Party name	3036
Party name format, coded	3045
Party qualifier	3035
Percentage	5482
Percentage basis, coded	5249
Percentage qualifier	5246
Permission for transport, coded	8211
Place/location	3224
Place/location identification	3225
Place/location qualifier	3227
Postcode identification	3251
Product Id. function qualifier .	4347
Product/service substitution, coded	4457
Property measured, coded	6313

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Quantity	6060
Quantity difference	6064
Quantity qualifier	6063
Range maximum	6152
Range minimum	6162
Reference number	1154
Reference qualifier	1153
Reference version number	4000
Related place/location one	3222
Related place/location two	3232
Related place/location one Id	3223
Related place/location two Id .	3233
Relation, coded	5479
Response type, coded	4343
Returnable package freight payment responsibility, coded	8395
Returnable package load contents, coded	8393
Revision number	1060
Seal condition, coded	4517
Seal number	9308
Sealing party	9302
Sealing party, coded	9303
Sequence number	1050
Sequence number source, coded	1159
Set identification qualifier	7297
Shipment flashpoint	7106
Shipping marks	7102
Special service	7160
Special services, coded	7161
Status, coded	4405
Status indicator, coded	1245
Street and number/p.o. box	3042
Sub-line indicator, coded	5495
Substance identification number, lower part	8186
Surface/layer indicator, coded	7383
Terms of delivery or transport	4052
Terms of delivery or transport, coded	4053
Terms of delivery or transport function, coded	4055

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Text function, coded	4453
Text subject qualifier	4451
Transit direction, coded	8101
Transport charges method of payment, coded	4215
Transport ownership, coded	8281
Transport stage qualifier	8051
TREM card number	8126
Type of duty regime, coded	9213
Type of marking, coded	7511
Type of means of transport	8178
Type of means of transport identification	8179
Type of packages	7064
Type of packages identification	7065
UNDG number	7124
Version	1056

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3.3.4. 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 ..LOC, PAC, PCD, PCI, PIA, QVR, SEL, SGP, TDT, TOD	BGM, DLM, EQA, EQD, FTX, HAN, IMD, LIN
1153	Reference qualifier	RFF
1154	Reference number	RFF
1156	Line number	RFF
1222	Configuration level	LIN
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. LOC, PAC, PCD, PCI, PIA, QVR, SEL, SGP, TDT, TOD	BGM, DLM, EQA, EQD, FTX, HAN, IMD, LIN
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

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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

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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
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

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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
7130	Customer authorization number	TDT
7140	Item number	LIN, PIA
7143	Item number type, coded	LIN, PAC, PIA

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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
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

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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

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4. Example of Message

Following example is only illustrative and does not necessarily reflect an existing situation. It **may every** be used as a basis for programming or implementing this message.

<pre> UNB+UNOA:2+O0013000025SUPPLIER+0941A09092305GIRAUSA+160305:1600+1234++LFS442' UNH+1+DESADV:D:97A:UN' BGM+351+123456789+9' DTM+137:201603051400:203' DTM+11:201603051500:203' DTM+132:201603061000:203' MEA+AAX+G+KGM:9999' MEA+AAX+N+KGM:9999' MEA+AAX+SQ+C62:99' RFF+MB:1006996175' NAD+MI+648553642::16' NAD+ST+648553642::16' LOC+11+G02' NAD+SU+876543210::16++++++DE' TDT+12++J++B101::92' EQD+CN+ABC123456' CPS+1++1' PAC+10++TFK345' LIN+++12345678:IN' PIA+1+YAP 5437/92:EC' QTY+3:99999:C62' QTY+12:99999:C62' RFF+ON:A1A2A3A4A' CPS+2++1' PAC+5++BCD234' LIN+++23456789:IN' PIA+1+YAP 8770/01:RY' QTY+3:99999:C62' QTY+12:99999:C62' RFF+ON:B1B2B3B4B' CPS+3++3' PAC+10+TOP' CPS+4++3' PAC+10+PALLET' UNT+34+1' UNZ+1+1234' </pre>	<pre> Shipment Identification Number Document issue date/time Despatch date/time Estimated arrival date/time Shipment gross weight Shipment net weight Total number of Lading units Master bill of lading number Material release issuer Ship to location Delivery dock Supplier Transport details Equipment identification Detail trigger segment 1 Packing details part number 1 Part number 1 Engineering change part number 1 Qty shipped year-to-date part number 1 Despatched quantity part number 1 Purchase order part number 1 Detail trigger segment 2 Packing details part number 2 Part number 2 Engineering change part number 2 Qty shipped year-to-date part number 2 Despatched quantity part number 2 Purchase order part number 2 First line item of outer Package Identification of Handling Unit (e.g. top) Second line item of outer Package Identification of Handling Unit (e.g. top) </pre>
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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.