

SECTION

**M05**

***Despatch Advice***

***DESADV***

***EDIFACT DESADV D.97A***

***MGO Version***



Document Change Log

Version	Date	Description
0.1	1997.10.28	Draft document issued.
0.2	1998.03.02	Draft reworked.
0.3	1998.04.20	Draft reworked.
1.0	1998.04.22	Final Document issued.
1.1	1998.05.12	Textual revision.
1.2	1998.10.22	Textual revision. <u>Changes:</u> Items 3.2, 3.3, and 3.4: segment IMD Pos.0580 marked as not used. Item 3.5: segment IMD Pos. 0580 deleted. UNB Tag 0007: comments added LIN Pos.0560 Tag 1082: not used. FTX Pos. 0690: segment deleted. RFF Tag 1154: changed from 'C' to 'M'
1.3	1999.07.07	Textual revision <u>Changes:</u> Segment group 11: GM occurrences raised to 5 per segment group 10 0920 QTY Tag 6063 correct code
1.4	2000.09.05	Textual revision <u>Changes:</u> BGM Pos.0020 Tag 1004: Maximum length is 9 digits. BGM Pos.0020 Tag 1225: additional usage instructions RFF Pos.0720 Tag 1154: changed from 'C' to 'M' QTY Pos.0920: Function: Despatch Quantity
1.5	2001.11.01	Textual revisions <u>Changes:</u> NAD Pos.0110: iteration with qualifier 3035 = SF removed. TDT Pos.0240: code list 8067: values 'J' and 'FA' removed – value 'M' added. QTY Pos.0430: segment removed. ALI Pos.0610: segment removed. Sections 3.9; 4.2 and 4.3 have been deleted.
1.6	2004.05.07	Textual revisions Changes.  0030 DTM TAG 2005: Definition changed  0240 TDT TAG 3127 : Definition precised. 0240 TDT TAG 3055 : Changed from 'C' to 'M'.  0410 PAC TAG 7065 : Definition precised.  0570 PIA TAG 7140 : added code value UA PIA – C212 – allowed for an additional occurrence of tag 7143  0610 ALI : Segment added.  0910 MEA TAG 6313 : Value added
1.7	2004.10.04	Textual revision Changes.  0570 PIA Tag 7140 ; added code value EC PIA – C212 – allow for an additional occurrence of tag 7143
1.8	2005.07.01	Textual revisions Changes  SG02 NAD allow Code Value "CM" SG13 PCI allow Code Value "17" SG13 RFF allow Code Value "AAT" and "CR" SG13 GIR allow Code Value "ML"

Version	Date	Guideline Team	
1.6	2004.05.07	Günter Schaefer	GME
		Jürgen Koralewski	GME
		Gary Majer	GM
		Tim Kemp	GM
		Pamela Mc Donnell	GM
		Neil Harmeson	GM
		Andrew Sales	EDS
		Arthur Coleman	EDS
		Julie Noelke	EDS
1.7	2004.10.04	Günter Schaefer	GME
/	/	Jürgen Koralewski	GME
1.8	2005.07.01	Daniel Schmidt	GME
		Gary Majer	GM
		Pamela McDonnell	GM
		Arthur Coleman	EDS

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## 1. INTRODUCTION

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

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## 2. MESSAGE DEFINITION

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

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

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### 2.1. FUNCTIONAL DEFINITION

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

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### 2.2. PRINCIPLES

The ASN/Despatch Advice message intends to:

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

An ASN/Despatch Advice message can relate to:

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

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

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

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### 2.3. REFERENCES

The content of this message is based on:

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

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

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#### 2.4. FIELD OF APPLICATION

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

**3. MESSAGE DESCRIPTION**

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

**3.1. INTRODUCTION**

**3.1.1. How to read the documentation**

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

**1 0020 BGM - BEGINNING OF MESSAGE**

- 2 Segment group: none. Level: 1.
- 3 EDIFACT status: mandatory. GM status: mandatory.
- 4 Maximum use: 1 per message. GM occurrences: 1 per message.
- 5 Function: segment for the unique identification of the delivery schedule document, by means of its name and its number.
- 6 GM interchange: see remarks.
- 7 Example: **BGM+351+12+5'**  
A B C

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

**10 COMMENTS**

**10 CODE VALUES**

**LEGEND**

- 1 segment position in the message structure, segment tag and segment name.
- 2 identification (when applicable) of the segment group in which the segment is situated and indication at which level the segment is in the message.
- 3 status of the segment: as defined by EDIFACT and by GM.
- 4 number of occurrences of the segment: as defined by EDIFACT and as used by GM.
- 5 description of the function of the segment as defined by EDIFACT and as used by GM.



- ⑥ 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.
- ⑦ definition of the segment content as defined by EDIFACT and as implemented by GM.
- ⑧ identification of the data elements in the segment
  - reference to the example.
  - data element tag - data elements with a 'C' denote a composite data element.
  - data element name - *italic CAPITALS* denote a composite data element.
  - **ST** - the status of the data element.
  - **FT** - the format of the data element, i.e. the indication of the number of characters (numerical or alphabetical) for this data element.
  - **SP** - the separator used between the data elements.
  - remarks on the specific use of the data element in the interchange with GM.
- ⑨ Shaded areas in the GM description mean that the data elements is not used by GM.
- ⑩ 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 GM.
  - code values to be used for data elements contained in the message.

**3.1.2. General remarks**

Following remarks are applicable for the complete documentation:

**Dates**

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

**Times**

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

**3.2. SEGMENT TABLE**

The following table shows the segments defined for the EDIFACT UNSM DESADV D97.A Despatch Advice message. Shaded areas identify the segments that are not used in the subset of DESADV used by GM. 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		<b>Segment group 1</b>	<b>C</b>	<b>10</b>
0080	RFF	Reference	M	1
0090	DTM	Date/time/period	C	1
0100		<b>Segment group 2</b>	<b>C</b>	<b>10</b>
0110	NAD	Name and address	M	1
0120	LOC	Place/location identification	C	10
0130		<b>Segment group 3</b>	<b>C</b>	<b>10</b>
0140	RFF	Reference	M	1
0150	DTM	Date/time/period	C	1

0160		<b>Segment group 4</b>	<b>C</b>	<b>10</b>
0170	CTA	Contact information	M	1
0180	COM	Communication contact	C	5
0190		<b>Segment group 5</b>	<b>M</b>	<b>10</b>
0200	TOD	Terms of delivery or transport	M	1
0210	LOC	Place/location identification	C	5
0220	FTX	Free text	C	5
0230		<b>Segment group 6</b>	<b>C</b>	<b>10</b>
0240	TDT	Details of transport	M	1
0250	PCD	Percentage details	C	6
0260		<b>Segment group 7</b>	<b>C</b>	<b>10</b>
0270	LOC	Place/location identification	M	1
0280	DTM	Date/time/period	C	10
0290		<b>Segment group 8</b>	<b>C</b>	<b>10</b>
0300	EQD	Equipment details	M	1
0310	MEA	Measurements	C	5
0320	SEL	Seal number	C	25
0330	EQA	Attached equipment	C	5
0340		<b>Segment group 9</b>	<b>M</b>	<b>10</b>
0350	HAN	Handling instructions	M	1
0360	FTX	Free text	C	10
0370		<b>Segment group 10</b>	<b>C</b>	<b>9999</b>
0380	CPS	Consignment packing sequence	M	1
0390	FTX	Free text	C	5
0400		<b>Segment group 11</b>	<b>C</b>	<b>9999</b>
0410	PAC	Package	M	1
0420	MEA	Measurements	C	10
0430	QTY	Quantity	C	10
0440		<b>Segment group 12</b>	<b>C</b>	<b>10</b>
0450	HAN	Handling instructions	M	1
0460	FTX	Free text	C	10
0470		<b>Segment group 13</b>	<b>C</b>	<b>1000</b>
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		<b>Segment group 14</b>	<b>C</b>	<b>99</b>
0530	GIN	Goods identity number	M	1
0540	DLM	Delivery limitations	C	10
0550		<b>Segment group 15</b>	<b>C</b>	<b>9999</b>
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

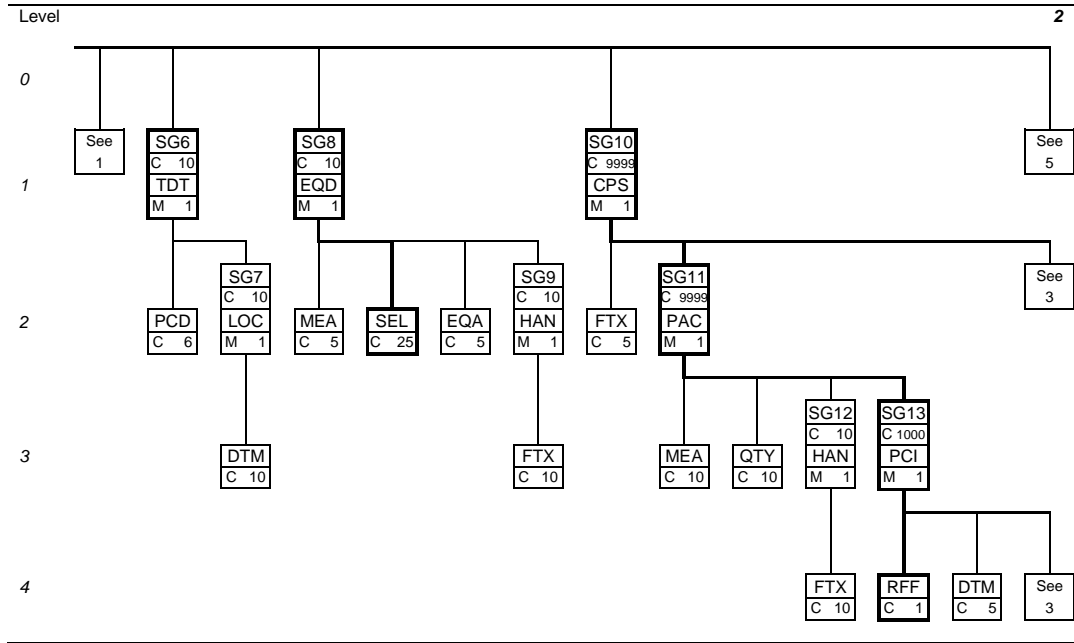
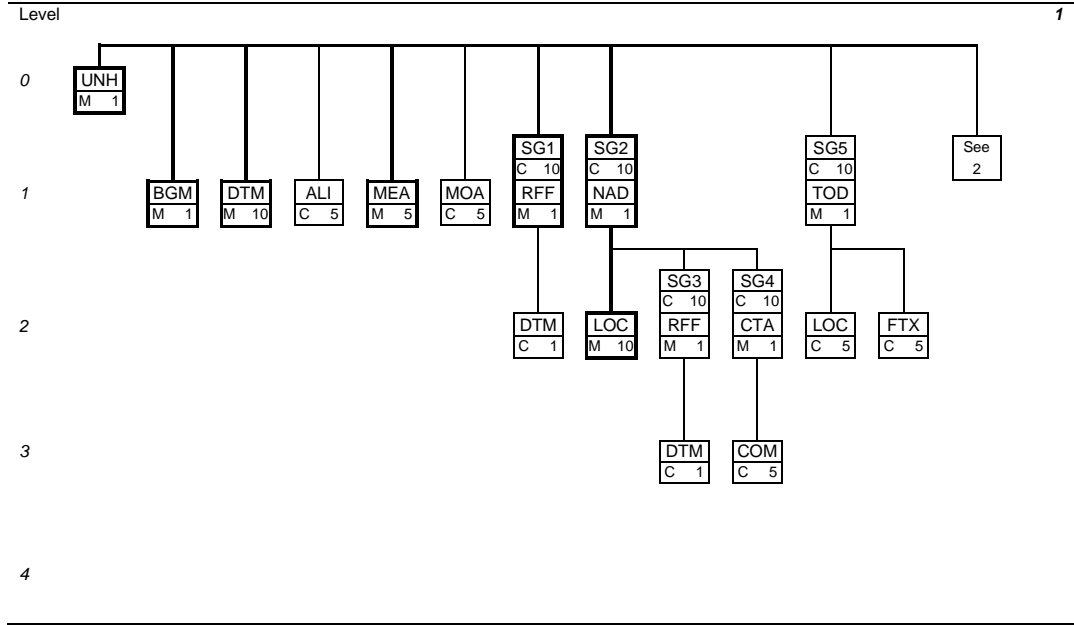
0710		<b>Segment group 16</b>	<b>C</b>	<b>99</b>
0720	RFF	Reference	M	1
0730	NAD	Name and address	C	1
0740	CTA	Contact information	C	1
0750	DTM	Date/time/period	C	1
0760		<b>Segment group 17</b>	<b>C</b>	<b>10</b>
0770	DGS	Dangerous goods	M	1
0780	QTY	Quantity	C	1
0790	FTX	Free text	C	5
0800		<b>Segment group 18</b>	<b>C</b>	<b>100</b>
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		<b>Segment group 19</b>	<b>C</b>	<b>1000</b>
0860	SGP	Split goods placement	M	1
0870	QTY	Quantity	C	10
0880		<b>Segment group 20</b>	<b>C</b>	<b>9999</b>
0890	PCI	Package identification	M	1
0900	DTM	Date/time/period	C	5
0910	MEA	Measurements	C	10
0920	QTY	Quantity	C	1
0930		<b>Segment group 21</b>	<b>C</b>	<b>10</b>
0940	GIN	Goods identity number	M	1
0950	DLM	Delivery limitations	C	100
0960		<b>Segment group 22</b>	<b>C</b>	<b>10</b>
0970	HAN	Handling instructions	M	1
0980	FTX	Free text	C	5
0990	GIN	Goods identity number	C	1000
1000		<b>Segment group 23</b>	<b>C</b>	<b>10</b>
1010	QVR	Quantity variances	M	1
1020	DTM	Date/time/period	C	5
1030	CNT	Control total	C	5
1040	UNT	Message trailer	M	1

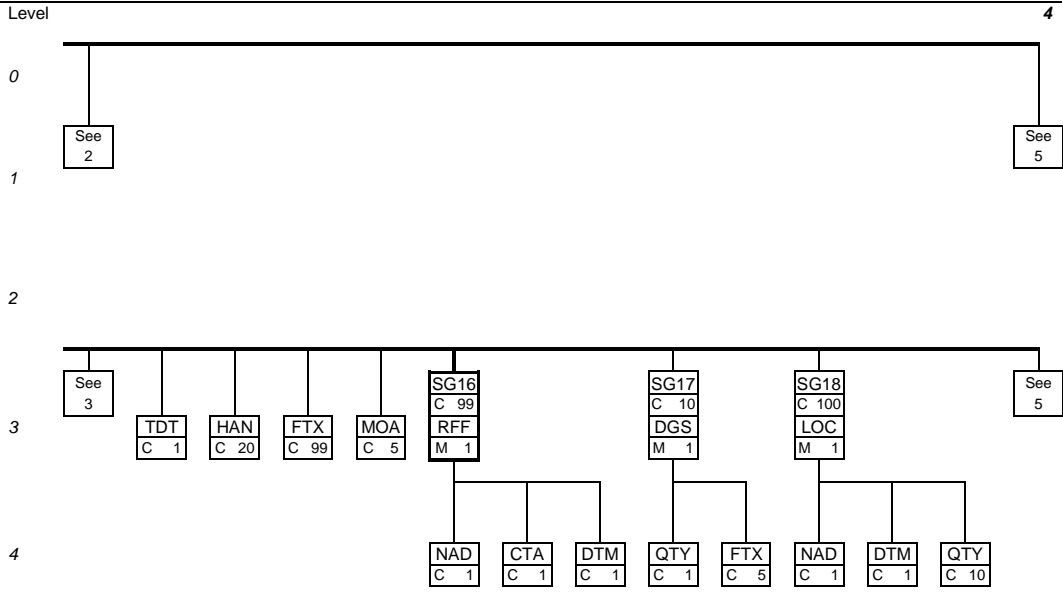
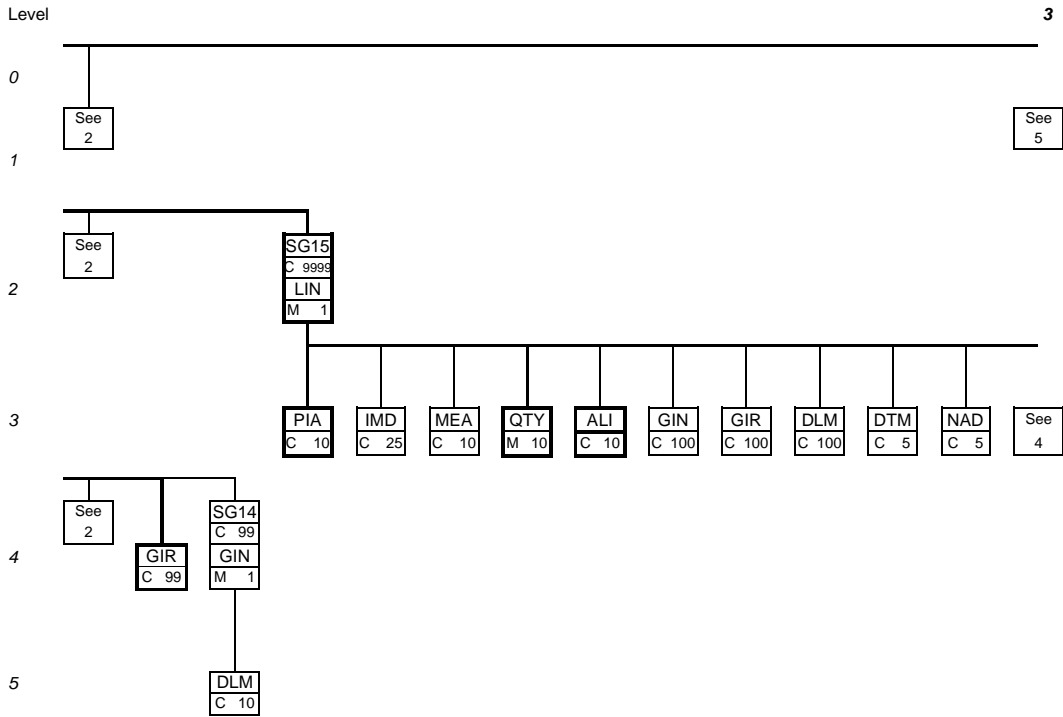
### 3.3. BRANCHING DIAGRAM

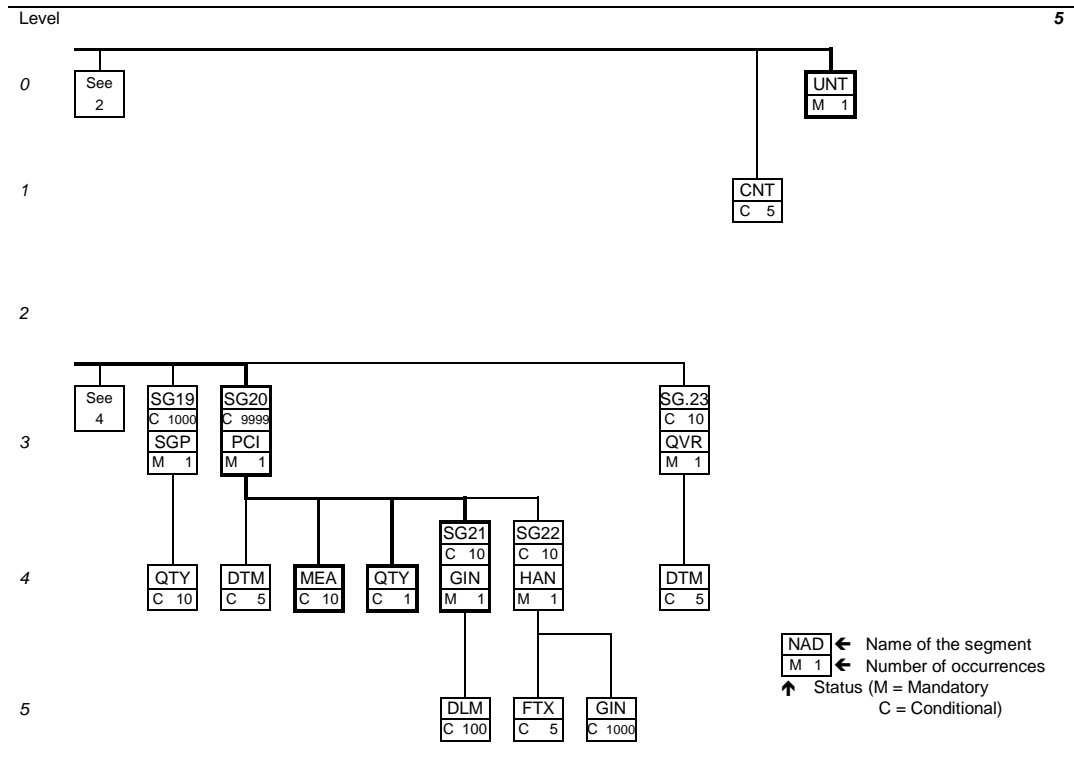
The branching diagram shows the structure of the message. It is a combination of various segments that are organized in a certain hierarchical order.

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

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







### 3.4. MESSAGE STANDARD DESCRIPTION

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

#### 3.4.1 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.
- 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 a person, function or department identified in CTA.
- 0190 Segment group 5: TOD-LOC-FTX  
A group of segments indicating terms of delivery.
- 0200 TOD, Terms of delivery or transport  
A segment indicating the terms of delivery and transfer for the whole despatch advice.
- 0210 LOC, Place/location identification  
A segment indicating locations relevant to the TOD segment.
- 0220 FTX, Free text  
Additional free text pertinent to terms of delivery. In computer to computer exchanges such text will normally require the receiver to process this segment manually.
- 0230 Segment group 6: TDT-PCD-SG7**  
A group of segments specifying details of the mode and means of transport and date/time of departure and destination relevant to the whole despatch advice.
- 0240 TDT, Details of transport**  
A segment specifying the carriage, and the mode and means of transport of the goods being despatched.

- 0250 PCD, Percentage details  
A segment specifying the percentage of utilization of the capacity of the means of transport.
- 0260 Segment group 7: LOC-DTM  
A group of segments giving the location and date/time information relative to the transportation.
- 0270 LOC, Place/location identification  
A segment indicating locations relevant to the transport specified in the TDT segment.
- 0280 DTM, Date/time/period  
A segment giving the date/time/period information of departure and/or arrival of the transported goods for the specified location.
- 0290 Segment group 8: EQD-MEA-SEL-EQA-SG9**  
A group of segments providing information relative to the equipment used for the transportation of goods relevant to the whole despatch advice.
- 0300 EQD, Equipment details**  
A segment to define fixed information regarding equipment used in conjunction with the whole despatch advice, and if required, to indicate responsibility for supply of the equipment.
- 0310 MEA, Measurements  
A segment specifying physical measurements of equipment described in the EQD segment.
- 0320 SEL, Seal number**  
A segment specifying a seal number connected to a specific equipment named in the EQD.
- 0330 EQA, Attached equipment  
A segment identifying equipment either attached to the equipment described in the EQD segment above, or equipment related to that described in the EQD segment, and which is further defined in a subsequent EQD segment.
- 0340 Segment group 9: HAN-FTX  
A group of segments providing information on hazardous goods and their handling.
- 0350 HAN, Handling instructions  
A segment providing information on handling and notification of hazardous materials in the specified equipment.
- 0360 FTX, Free text  
A segment with free text information in coded or clear form to give further clarification, when required, for hazardous material.

#### 3.4.2 Detail section

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Information to be provided in the Detail section:

- 0370 Segment group 10: CPS-FTX-SG11-SG15**  
A group of segments providing details of all package levels and of the individual despatched items contained in the consignment. This segment group provides the capability to give the hierarchical packing relationships. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail product information.
- 0380 CPS, Consignment packing sequence**  
A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.
- 0390 FTX, Free text  
A segment with free text information in coded or clear form to give further clarification, when required, as to the packing sequence.  
In computer to computer exchanges such text will normally require the receiver to process this segment manually.
- 0400 Segment group 11: PAC-MEA-QTY-SG12-SG13**  
A group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.
- 0410 PAC, Package**  
A segment specifying the number and type of the packages/physical units and the physical type of packaging for the despatched goods.



- 0420 MEA, Measurements  
A segment specifying physical measurements of the packages/physical units described in the PAC segment.
- 0430 QTY, Quantity  
A segment to specify the quantity per package described in the PAC segment.
- 0440 Segment group 12: HAN-FTX  
A group of segments providing information on hazardous goods and handling.
- 0450 HAN, Handling instructions  
A segment providing information on required handling and notification of hazardous materials in the specified package.
- 0460 FTX, Free text  
A segment with free text information in coded or clear form to give further clarification, when required, for hazardous materials.
- 0470 Segment group 13: PCI-RFF-DTM-GIR-SG14**  
A group of segments specifying markings, labels, and packing numbers.
- 0480 PCI, Package identification**  
A segment specifying markings and/or labels used on individual physical units (packages) described in the PAC segment.
- 0490 RFF, Reference**  
A segment for referencing the package identification e.g. master label number.
- 0500 DTM, Date/time/period  
A segment for specifying date/time/period related to the document referenced.
- 0510 GIR, Related identification numbers**  
A segment providing set of package identification related numbers, e.g. a package label number and a KANBAN card number assigned to the same package.
- 0520 Segment group 14: GIN-DLM  
A group of segments giving package identification numbers and, where relevant, delivery limitation information.
- 0530 GIN, Goods identity number  
A segment providing the identity numbers of packages being despatched.
- 0540 DLM, Delivery limitations  
A segment to identify any limitation on delivery of goods, e.g. hold until final approval by supplier.
- 0550 Segment group 15: LIN-PIA-IMD-MEA-QTY-ALI-GIN-GIR-DLM-DTM-NAD-TDT-HAN-FTX-MOA-SG16-SG17-SG18-SG19-SG20-SG23**  
A group of segments providing details of the individual despatched items.
- 0560 LIN, Line item**  
A segment identifying the product being despatched. All other segments in the detail section following the LIN segment refer to that line item.
- 0570 PIA, Additional product id**  
A segment providing additional product identification.
- 0580 IMD, Item description  
A segment for describing the product being despatched. This segment should be used for products that cannot be identified by a product code or article number.
- 0590 MEA, Measurements  
A segment specifying physical measurements of the despatched item in original or unpacked form.
- 0600 QTY, Quantity**  
A segment to give quantity information concerning the product.
- 0610 ALI, Additional information**  
A segment indicating that the line item is subject to special conditions due to origin, customs preference, or commercial factors.
- 0620 GIN, Goods identity number  
A segment providing identity numbers of the goods being despatched, e.g. serial numbers for assembled equipment.

- 0630 GIR, Related identification numbers  
A segment providing sets of related identification numbers for a line item, e.g. engine number, chassis number and transmission number for a vehicle.
- 0640 DLM, Delivery limitations  
A segment to identify any limitation on delivery of goods e.g. hold until final approval by supplier.
- 0650 DTM, Date/time/period  
A segment providing date, time information related to the line item, e.g. production date.
- 0660 NAD, Name and address  
A segment for identifying names and addresses and their functions relevant to the item, e.g. manufacturer.
- 0670 TDT, Details of transport  
A segment specifying the carriage, and the mode and means of transport of the goods being despatched, e.g. shipment/consignment number, shipping method, carrier.
- 0680 HAN, Handling instructions  
A segment providing information on the handling and notification of hazardous materials.
- 0690 FTX, Free text  
A segment with free text information in coded or clear form to give further clarification, when required, to the line item. In computer to computer exchanges such text will normally require the receiver to process this segment manually.
- 0700 MOA, Monetary amount  
A segment giving monetary amounts required by the consignee to undertake customs clearance procedures.
- 0710 Segment group 16: RFF-NAD-CTA-DTM**  
A group of segments to give reference numbers and dates.
- 0720 RFF, Reference**  
A segment identifying documents related to the line item.
- 0730 NAD, Name and address  
A segment for identifying names and addresses and their functions relevant to the originator of the document in the RFF segment.
- 0740 CTA, Contact information  
A segment to identify the office, branch or department to whom communication relevant to the document should be directed.
- 0750 DTM, Date/time/period  
A segment for date/time/period relative to the referred document.
- 0760 Segment group 17: DGS-QTY-FTX  
A group of segments giving information about dangerous goods.
- 0770 DGS, Dangerous goods  
A segment to indicate the class of dangerous goods.
- 0780 QTY, Quantity  
A segment to specify quantity of the given dangerous goods.
- 0790 FTX, Free text  
A segment to describe dangerous goods.
- 0800 Segment group 18: LOC-NAD-DTM-QTY  
A group of segments giving location information and where relevant, additional addresses, date and time, and quantities.
- 0810 LOC, Place/location identification  
A segment identifying a specific location to which products will be delivered.
- 0820 NAD, Name and address  
A segment for identifying names and addresses and their functions relevant to the delivery point. It is recommended that where possible only the coded form of the party ID should be specified, e.g. the buyer and seller are known to each other, thus only the coded ID is required. The consignee or delivery address may vary and would have to be clearly specified, preferably in structured format.
- 0830 DTM, Date/time/period  
A segment providing date/time information relevant for delivery to the specific location.

- 0840 QTY, Quantity  
A segment to specify quantity for the given location.
- 0850 Segment group 19: SGP-QTY  
A group of segments indicating the split placement of packages or unpacked goods into equipment.
- 0860 SGP, Split goods placement  
A segment to specify the placement of goods in relation to one equipment. If goods are unpacked, their quantity would be given in the following QTY segment.
- 0870 QTY, Quantity  
A segment to specify the quantity of unpacked goods being placed in a specific equipment.
- 0880 Segment group 20: PCI-DTM-MEA-QTY-SG21-SG22**  
A group of segments identifying one specific package or a number of packages, their marks and numbers, measurements, quantities, date and time information and handling instructions.
- 0890 PCI, Package identification**  
A segment specifying marking and labels used on individual packages or a range of packages.
- 0900 DTM, Date/time/period  
A segment giving the date/time details related to the goods within the packages e.g. expiration date.
- 0910 MEA, Measurements**  
A segment specifying physical measurements of packages.
- 0920 QTY, Quantity**  
A segment to specify quantity per package.
- 0930 Segment group 21: GIN-DLM**  
A group of segments giving package identification numbers and, where relevant, delivery limitation information.
- 0940 GIN, Goods identity number**  
A segment providing identification numbers being applied to the packages despatched.
- 0950 DLM, Delivery limitations  
A segment to identify any limitation on delivery of goods e.g. hold until final approval by supplier.
- 0960 Segment group 22: HAN-FTX-GIN  
A group of segment providing information on hazardous materials and handling.
- 0970 HAN, Handling instructions  
A segment providing information on handling and notification of hazardous materials.
- 0980 FTX, Free text  
A segment with free text information in coded or clear form to give further clarification, when required, for hazardous materials.
- 0990 GIN, Goods identity number  
A segment providing identification numbers being applied to the packages containing hazardous goods.
- 1000 Segment group 23: QVR-DTM  
A group of segments identifying quantity variances, the reason for the variance, and, when relevant, date and time information.
- 1010 QVR, Quantity variances  
A segment identifying a quantity variance and the reason for the variance.
- 1020 DTM, Date/time/period  
A segment to give date and time information relative to the quantity variances, e.g. proposed delivery date on the back order.

### **3.4.3 Summary section**

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Information to be provided in the Summary section:

- 1030 CNT, Control total  
A segment by which control totals may be provided by sender for checking by the receiver.
- 1040 UNT, Message trailer**  
A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

3.5. MESSAGE STRUCTURE

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

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
0050-3.MEA	Number of lading units
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	Record keeping year
0600.[CPS.LIN].QTY	Despatched quantity for part number 1
0610.[CPS.LIN].ALI	Subject to special conditions
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

**3.6. SERVICE SEGMENTS DESCRIPTION**

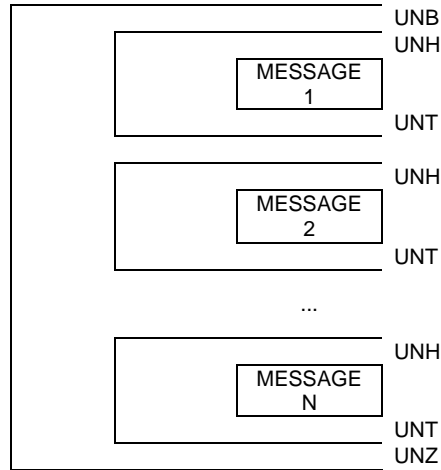
Following service segments are as defined by UN/EDIFACT and presented under ISO 9735.

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

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

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

**EXAMPLE OF AN INTERCHANGE STRUCTURE**



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

**0000 UNB - INTERCHANGE HEADER**

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

GM interchange: see remarks.

Example: **UNB+UNOA:2+MBXNOSUPPLIER+MBXNOGM+970607:0735+1234'**  
                   A B C D E F G

EDIFACT STANDARD DEFINITION					GM IMPLEMENTATION				
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS	
A	S001	SYNTAX IDENTIFIER	M			M			
B	0001	Syntax identifier	M	a4	:	M	a4	"UNOA".	
	0002	Syntax version number	M	n1	+	M	n1	Indication of the syntax version used for this message. GM uses EDIFACT syntax version 2	
C	S002	INTERCHANGE SENDER	M			M			
	0004	Sender identification	M	an..35	:	M	an..35	Communication Code/Mailbox number of the party originating the message.	
	0007	Identification code qualifier	C	an..4	:	C	an..4	Qualifiers to be determined by trading partner relationship.	
	0008	Address for Reverse Routing	C	an..14	+				
D	S003	INTERCHANGE RECIPIENT	M			M			
	0010	Recipient identification	M	an..35	:	M	an..35	Communication Code/Mailbox number of the party receiving the message.	
	0007	Identification code qualifier	C	an..4	:	C	an..4	Qualifiers to be determined by trading partner relationship.	
	0014	Routing address	C	an..14	+				
E	S004	DATE / TIME OF PREPARATION	M			M			
F	0017	Date of preparation	M	n6	:	M	n6	YYMMDD Format.	
	0019	Time of preparation	M	n4	+	M	n4	HHMM Format.	
G	0020	INTERCHANGE CONTROL REFERENCE	M	an..14	+	M	an..14	Reference number assigned by the sender of the message. This number must uniquely identify each interface and must be <b>UNIQUE</b> within an inventory year.	
	S005	RECIPIENTS REFERENCE PASSWORD	C						
	0022	Recipient's reference / password	M	an..14	:				
	0025	Recipient's reference / password qualifier	C	an2	+				
	0026	APPLICATION REFERENCE	C	an..14	+				
	0029	PROCESSING PRIORITY CODE	C	a1	+				
	0031	ACKNOWLEDGEMENT REQUEST	C	n1	+				
	0032	COMMUNICATIONS AGREEMENT ID	C	an..35	+				
	0035	TEST INDICATOR	C	n1	'				

**0010 UNH - MESSAGE HEADER**

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

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

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

# 1040 UNT - MESSAGE TRAILER

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

GM interchange:

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

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



# 1050 UNZ - INTERCHANGE TRAILER

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

GM interchange:

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

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

**3.7. DATA SEGMENTS DESCRIPTION**

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

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

Level: 1  
 GM status: mandatory  
 GM occurrences: 1 per message

Example: **BGM++123456789+9'**  
           A      B

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C002	DOCUMENT/MESSAGE NAME	C					
	1001	Document/message name, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	1000	Document/message name	C	an..35	+			
	C106	DOCUMENT/MESSAGE IDENTIFICATION	C			M		
A	1004	Document/message number	C	an..35	:	M	an..35	A unique control number, commonly called a Shipment Identification Number (SID), assigned by the original shipper to identify a specific shipment. This unique control number cannot be repeated within a one year period. This number must be referenced on both the packing list and the bill of lading as the Shipment Identification Number (SID). <b>Maximum length is 9 characters</b> Ship-Direct DESADV's might contain more than 9 characters.
	1056	Version	C	an..9	:			
	1060	Revision number	C	an..6	+			
B	1225	MESSAGE FUNCTION, CODED	C	an..3	+	M	an..3	Function of the message. For code values see below.
	4343	RESPONSE TYPE, CODED	C	an..3	'			

For code value description, please see next page.

**0020 BGM** - CONTINUED**CODE VALUES****1225 - Message function, coded**

- 1 Cancellation  
Message canceling a previous transmission for a given transaction. The issuer's subsequent transmission of an SID, canceling all data previously transmitted under that SID (1004). May be used to delete an entire transmission as the first step in the correction process.  
**Supplier may send code 1 to delete previous transmission and subsequently send another original with correct information.**
- 2 Addition  
Message containing items (e.g. line items, goods items, Customs items, equipment items) to be added to a previously sent message. The issuer's subsequent transmission of an SID, adding part specific data not previously transmitted under that SID (1004).  
**Code 2 should only be used to add a part number that was missing from a previous transmission. Do not repeat part information for part numbers previously sent on the original transmission.**
- 4 Change  
Message containing items (e.g. line items, goods items, Customs items, equipment items) to be changed in a previously sent message. The issuer's subsequent transmission of an SID, changing data previously transmitted under that SID (1004).  
**Code 4 should only be used to change quantities on a previously transmitted part number. For example, to increase a quantity which should have been originally sent as 150 in a previous transmission, but only indicated 100, a correction must be sent indicating the additional 50 only. Conversely, to reduce a quantity, only the difference may be sent with a signed (-) value. For example, 200 were indicated in the original transmission but only 150 were shipped. Indicate a -50 on only the part number in error. Do not send part information for parts that were originally transmitted correctly.**
- 9 Original  
Initial transmission related to a given transaction. The issuer's first transmission of a message for a particular SID (1004).

**NOTE: THE TIMING OF ASN TRANSMISSION IS CRITICAL. DELETIONS, CORRECTIONS, AND ADDITIONS CAN ONLY BE PROCESSED PRIOR TO THE RECEIPT OF SHIPMENT. WHEN IN DOUBT, CHECK WITH YOUR PLANT CONTACT.**

**0030 DTM - DATE/TIME/PERIOD**

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

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

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		REMARKS
REF	TAG	NAME	ST	FT	SP	ST	FT	

**Document generation date. MANDATORY - must be transmitted.**

	C507	DATE/TIME/PERIOD	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"137" = Document/message date/time.
B	2380	Date/time/period	C	an..35	:	M	an..35	Date/time when the document is sent to the customer / receiver. .
C	2379	Date/time/period format qualifier	C	an..3	"	M	an..3	"203" = CCYYMMDDHHMM.

**Despatch date/time. MANDATORY - must be transmitted.**

	C507	DATE/TIME/PERIOD	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"11" = Despatch date and or time.
B	2380	Date/time/period	C	an..35	:	M	an..35	Date/time when the pick-up carrier leaves the supplier / sender's ship location with the goods.
C	2379	Date/time/period format qualifier	C	an..3	'	M	an..3	"203" = CCYYMMDDHHMM.

**Estimated arrival date/time. Conditional - may be transmitted.**

	C507	DATE/TIME/PERIOD	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"132" = Arrival date/time, estimated.
B	2380	Date/time/period	C	an..35	:	M	an..35	Date/time when the goods are expected to arrive at the place of destination.
C	2379	Date/time/period format qualifier	C	an..3	'	M	an..3	"203" = CCYYMMDDHHMM.

**0050 MEA - MEASUREMENTS**

Segment group: none Level: 1  
 EDIFACT status: conditional GM status: mandatory  
 Maximum use: 5 per message at level 1 GM occurrences: max. 3 per message  
 Function: segment specifying the weight and volume of the consignment.  
 GM interchange: there **MUST** be 3 occurrences of MEA in position 0050. Two occurrences must be used to specify weight, both gross and net. The third occurrence must specify the number of lading units with the qualifier of C62 in data element 6411.

Example: **MEA+AA+G +KGM:9999'** Gross weight  
**MEA+AA+N +KGM:9999'** Net weight  
**MEA+AA+SQ+C62 :99'** Number of lading units  
 A B C D

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS

**Gross weight MANDATORY - must be transmitted.**

A	6311	MEASUREMENT PURPOSE QUALIFIER	M	an..3	+	M	an..3	"AAX" = Consignment measurements.
B	C502	MEASUREMENT DETAILS	C			C		
	6313	Property measured, coded	C	an..3	:	M	an..3	"G" = Gross Weight.
	6321	Measurement significance, coded	C	an..3	:			
	6155	Measurement attribute identification	C	an..17	:			
	6154	Measurement attribute	C	an..70	+			
C	C174	VALUE/RANGE	C					
	6411	Measure unit qualifier	M	an..3	:	M	an..3	For code see UN/ECE Recommendation Nr 20
D	6314	Measurement value	C	an..18	:	M	an..18	Actual weight. No decimal digits!
	6162	Range minimum	C	n..18	:			
	6152	Range maximum	C	n..18	:			
	6432	Significant digits	C	n..2	+			
	7383	SURFACE/LAYER INDICATOR, CODED	C	an..3	'			

**Net weight MANDATORY - must be transmitted.**

A	6311	MEASUREMENT PURPOSE QUALIFIER	M	an..3	+	M	an..3	"AAX" = Consignment measurements.
B	C502	MEASUREMENT DETAILS	C			C		
	6313	Property measured, coded	C	an..3	:	M	an..3	"N" = Net Weight.
	6321	Measurement significance, coded	C	an..3	:			
	6155	Measurement attribute identification	C	an..17	:			
	6154	Measurement attribute	C	an..70	+			
C	C174	VALUE/RANGE	C					
	6411	Measure unit qualifier	M	an..3	:	M	an..3	For code see UN/ECE Recommendation Nr 20
D	6314	Measurement value	C	an..18	:	M	an..18	Actual weight . No decimal digits!
<b>REST OF SEGMENT NOT USED.</b>								

**Shipped Quantity MANDATORY - must be transmitted.**

A	6311	MEASUREMENT PURPOSE QUALIFIER	M	an..3	+	M	an..3	"AAX" = Consignment measurements.
B	C502	MEASUREMENT DETAILS	C			C		
	6313	Property measured, coded	C	an..3	:	M	an..3	"SQ" = Total number of Lading units.
	6321	Measurement significance, coded	C	an..3	:			
	6155	Measurement attribute identification	C	an..17	:			
	6154	Measurement attribute	C	an..70	+			
C	C174	VALUE/RANGE	C					
	6411	Measure unit qualifier	M	an..3	:	M	an..3	For code see UN/ECE Recommendation Nr 20
D	6314	Measurement value	C	an..18	:	M	an..18	Quantity
<b>REST OF SEGMENT NOT USED.</b>								

**NOTE: The recommended value for data element 6411 is C62, when code value in data element 6313 is SQ.**

## Segment group 1: RFF-DTM

Segment group: 1 Level: 1  
 EDIFACT status: conditional GM status: mandatory  
 Maximum use: 10 per message at level 1 GM occurrences: max. 2 per message  
 Function: group of segments giving references where necessary, their dates relating to the whole message, e.g. contract number.  
 GM 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 GM status: mandatory  
 Maximum use: 1 per segment group 1 (max. 10) GM occurrences: 1 per segment group 1  
 Function: segment for referencing documents relating to the whole despatch advice message, e.g. purchase orders, delivery instructions, import/export license.  
 GM interchange: **At least one iteration is mandatory.**  
 Example: **RFF+CN:35'**  
           A B

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS

**Carrier's reference number**

A	C506	REFERENCE	M			M		
	1153	Reference qualifier	M	an..3	:	M	an..3	"CN" = Carrier's reference number.
B	1154	Reference number	C	an..35	:	M	an..35	Number as referenced in 1153 above.
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

**Master bill of lading number**

A	C506	REFERENCE	M			M		
	1153	Reference qualifier	M	an..3	:	M	an..3	"MB" = Master bill of lading number.
B	1154	Reference number	C	an..35	:	M	an..35	Number as referenced in 1153 above.
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

**Segment group 2: NAD-LOC-SG3-SG4**

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

**0110 NAD - NAME AND ADDRESS**

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

Example: **NAD+MI+88120 ::92'** Material issuer  
**NAD+ST+51269 ::92'** Ship To  
**NAD+SU+876543210::16'** Supplier  
**NAD+OB+999 ::92'** Ordered by  
**NAD+CM+012456785::16** **Customs Identification**  
 A B C

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS

**Planning schedule/material release issuer. MANDATORY - must always be transmitted.**

A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"MI" = Planning schedule/material release issuer.
B	C082	PARTY IDENTIFICATION DETAILS	C			M		
	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the material release issuer. For code value see below.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value see below.
	C058	NAME AND ADDRESS	C					
	3124	Name and address line	M	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	:			
	3124	Name and address line	C	an..35	+			
	C080	PARTY NAME	C					
	3036	Party name	M	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3045	Party name format, coded	C	an..3	+			
	C059	STREET	C					
	3042	Street and number/p.o. box	M	an..35	:			
	3042	Street and number/p.o. box	C	an..35	:			
	3042	Street and number/p.o. box	C	an..35	:			
	3042	Street and number/p.o. box	C	an..35	+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
	3207	COUNTRY, CODED	C	an..3	'			

**0110 NAD - CONTINUED**

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

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"ST" = Ship to.
B	C082	PARTY IDENTIFICATION DETAILS	C			M		
	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.
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	NAME AND ADDRESS	C		+			
	C080	PARTY NAME	C		+			
	C059	STREET	C		+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
	3207	COUNTRY, CODED	C	an..3	'			

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

A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"SU" = Supplier.
B	C082	PARTY IDENTIFICATION DETAILS	C			M		
	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the supplier.
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	NAME AND ADDRESS	C		+			
	C080	PARTY NAME	C		+			
	C059	STREET	C		+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
	3207	COUNTRY, CODED	C	an..3	'			

**Ordered by. Only used for SHIP DIRECT Conditional - must only be transmitted if used in DELFOR and/or DELJIT.**

A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"OB" = Ordered by.
B	C082	PARTY IDENTIFICATION DETAILS	C			M		
	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	NAME AND ADDRESS	C		+			
	C080	PARTY NAME	C		+			
	C059	STREET	C		+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	C	an..9	+			
	3207	COUNTRY, CODED	C	an..3	'			

**Customs / Identification of customs authority relevant to the transaction or shipment**

A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"CM" = Customs
B	C082	PARTY IDENTIFICATION DETAILS	C			M		
	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	NAME AND ADDRESS	C		+			
	C080	PARTY NAME	C		+			
	C059	STREET	C		+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			



3251	POSTCODE IDENTIFICATION	C	an..9	+			
3207	COUNTRY, CODED	C	an..3	'			

**CODE VALUES**

**3039 - Party id. identification** [NAD 1<sup>st</sup> and 2<sup>nd</sup> occurrence]

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

**3055 - Code list responsible agency, coded**

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

**0120 LOC - PLACE/LOCATION IDENTIFICATION**

Segment group: 2 [NAD.LOC] Level: 2  
 EDIFACT status: conditional GM status: mandatory  
 Maximum use: 10 per preceding NAD GM occurrences: 1 per segment group 2  
 Function: segment indicating more details regarding specific places/locations related to the party specified in the NAD segment, e.g. internal site/building number.  
 GM interchange: see remarks.

Example: **LOC+11+AAA12'**  
           A    B

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

**Segment group 6: TDT-PCD-SG7**

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

Example: **TDT+12++M++A091::92'**  
**TDT+25++M++A091::92++G:S'**  
 A B C D E F

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	8051	TRANSPORT STAGE QUALIFIER	M	an..3	+	M	an..3	For code value see below.
	8028	CONVEYANCE REFERENCE NR	C	an..17	+			
	C220	MODE OF TRANSPORT	C			M		
B	8067	Mode of transport, coded	C	an..3	:	M	an..3	For code value see below.
	8066	Mode of transport	C	an..17	+			
	C228	TRANSPORT MEANS	C					
	8179	Type of means of transport id.	C	an..8	:			
	8178	Type of means of transport	C	an..17	+			
	C040	CARRIER	C			M		
C	3127	Carrier identification	C	an..17	:	M	an..17	Code identifying the carrier. The 4 characterSCAC-code is mandatory for the MGO application
	1131	Code list qualifier	C	an..3	:			
D	3055	Code list responsible agency, coded	C	an..3	:	M	an..3	For code value see below.
	3128	Carrier name	C	an..35	+			
	8101	TRANSIT DIRECTION, CODED	C	an..3	+			
	C401	EXCESS TRANSPORTATION INFORMATION	C			C		
E	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	Indication of responsibility for excess transportation. For code values see below.
	7130	Customer authorization number	C	an..17	+	C	an..17	Transportation Authorization Number
	C222	TRANSPORT IDENTIFICATION	C					
	8213	Id. of means of transport identification	C	an..9	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	8212	Id. of the means of transport	C	an..35	:			
	8453	Nationality of means of transport, coded	C	an..3	+			
	8281	TRANSPORT OWNERSHIP, CODED	C	an..3	:			

**CODE VALUES**

**3055 - Code list responsible agency, coded**

- 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.

**8067 - Mode of transport, coded**

General Codes to be used for GM, more detailed codes may need to be implemented on request of GM Implementation Plant:  
General codes used by GM listed below. To verify mode of transport, contact the GM Plant directly.

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

**8457 - Excess transportation reason, coded**

- A Special rail car order, schedule increase forecast change
- B Engineering change or late release
- C Specification (schedule) error/overbuilding
- D Shipment tracing delay
- E Plant inventory loss
- F Building ahead of schedule
- G Vendor behind schedule
- H Failed to include in last shipment
- I Carrier loss claim
- J Transportation failure
- K Insufficient weight for carload
- L Reject or discrepancy (material rejected in prior shipment)
- M Transportation delay
- N Lack of railcar or railroad equipment
- P Releasing error
- R Record error or cate reported discrepancy report
- T Common or peculiar part schedule increase
- U Alternative supplier shipping for responsible supplier
- V Direct schedule or locally controlled
- W Purchasing waiver approval
- X Authorization code to be determined
- Y Pilot material

**8459 - Excess transportation responsibility, coded**

- A Customer plant (receiving location)

- B** Material release issuer
- S** Supplier authority
- X** Responsibility to be determined

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

Segment group: 8 Level: 1  
 EDIFACT status: conditional GM status: mandatory  
 Maximum use: 10 per message at level 1 GM 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.  
 GM 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 GM status: mandatory  
 Maximum use: 1 per segment group 8 (max. 10) GM occurrences: 1 per segment group 8  
 Function: segment to define fixed information regarding equipment used in conjunction with the whole despatch advice, and if required, to indicate responsibility for supply of the equipment.  
 GM interchange: see remarks.  
 Example: **EQD+TE+ABC123456'**  
           A      B

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		REMARKS
REF	TAG	NAME	ST	FT	SP	ST	FT	
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 TYPE</i>	C					
	8155	Equipment size and type id.	C	an..10	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	8154	Equipment size and type	C	an..35	+			
	8077	EQUIPMENT SUPPLIER, CODED	C	an..3	+			
	8249	EQUIPMENT STATUS, CODED	C	an..3	+			
	8169	FULL/EMPTY INDICATOR, CODED	C	an..3	'			

**CODE VALUES**

**8053 - Equipment qualifier**

- CN** Container  
Equipment item as defined by ISO for transport. It must be of: A) permanent character, strong enough for repeated use; B) designed to facilitate the carriage of goods, by one or more modes of transport, without intermediate reloading; C) fitted with devices for its ready handling, particularly.
- RR** Railcar  
Registered identification number of railway wagon
- TE** Trailer  
A vehicle without motive power, designed for the carriage of cargo and to be towed by a motor vehicle.

**0320 SEL - SEAL NUMBER**

Segment group: 8 [EQD.SEL] Level: 1  
 EDIFACT status: 25 conditional GM status: conditional  
 Maximum use: 25 per EQD in segment group 8. GM occurrences: maximum 2 per EQD  
 Function: segment to specify a seal number related to equipment.  
 GM interchange: **used for SHIP DIRECT only.**

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

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

## Segment group 10: CPS-FTX-SG11-SG15

Segment group: 10 [CPS] Level: 1  
 EDIFACT status: conditional GM status: mandatory  
 Maximum use: 9999 per message GM occurrences: as required  
 Function: group of segments providing details of all package levels and of the individual despatched items contained in the consignment. This segment group provides the capability to give the hierarchical packing relationships. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail product information.  
 GM interchange: only segment CPS is used in segment group 10. Segment group 10 may be used as detailed below.  
 NOTE: GM requires each single part number (LIN-segment) to be preceded by a new CPS segment.

<b>0380.CPS</b>	Inner level (7075 = 1)
<b>0410.[CPS].PAC</b>	Inner level package for part number 1
<b>0560.[CPS].LIN</b>	Part number 1
<b>0600.[CPS.LIN].QTY</b>	Part number 1 quantity
<b>0380.CPS</b>	Inner level (7075 = 1)
<b>0410.[CPS].PAC</b>	Inner level package for part number 2
<b>0560.[CPS].LIN</b>	Part number 2
<b>0600.[CPS.LIN].QTY</b>	Part number 2 quantity
<b>0380.CPS</b>	Inner level (7075 = 1)
<b>0410.[CPS].PAC</b>	Inner level package for part number 3
<b>0560.[CPS].LIN</b>	Part number 3
<b>0600.[CPS.LIN].QTY</b>	Part number 3 quantity
<b>0380.CPS</b>	Inner level (7075 = 1)
<b>0410.[CPS].PAC</b>	Inner level package for part number 4
<b>0560.[CPS].LIN</b>	Part number 4
...	...
<b>0380.CPS</b>	Outer level (7075 = 3)
<b>0410.[CPS].PAC</b>	Outer level package, e.g. top of pallet
<b>0380.CPS</b>	Outer level (7075 = 3)
<b>0410.[CPS].PAC</b>	Outer level package, e.g. pallet



**0380 CPS - CONSIGNMENT PACKING SEQUENCE**

(7075 = 1)

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

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

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		REMARKS
REF	TAG	NAME	ST	FT	SPI	ST	FT	
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 GME this includes all KLT containers. Must be used when sending returnable packaging.
- 3 Outer  
For packed merchandise, outermost level of packaging for a shipment. For GME this includes the cover(s) and pallet(s) if KLT are used.
- 4 No packaging hierarchy.  
There is no specifiable level of packaging: packaging is inner and outer level as well. For GME this includes containers used as transportation and handling unit and which are not put on a pallet (KLT are not included in this category).

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

Segment group: 11 [CPS.SG11] Level: 2  
 EDIFACT status: conditional GM status: **mandatory, if CPS with code '1' or '3' is used**  
 Maximum use: 9999 per CPS in segment group 10 GM 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.  
 GM interchange: only the segments PAC and QTY are used in segment group 11.

**0410 PAC - PACKAGE**

Segment group: 11 [CPS.PAC] Level: 2  
 EDIFACT status: mandatory if segment group 11 is used GM status: mandatory  
 Maximum use: 1 per segment group 11 (max. 9999 per CPS) GM 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.  
 GM interchange:  
 Example: **PAC+10++0KLT4328'**  
           A      B

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	7224	NUMBER OF PACKAGES	C	n..8	+	M	n..8	Number of packages.
	C531	PACKAGING DETAILS	C					
	7075	Packaging level, coded	C	an..3	:			
	7233	Packaging related information, coded	C	an..3	:			
	7073	Packaging terms and conditions, coded	C	an..3	+			
B	C202	PACKAGE TYPE	C			M		
	7065	Type of packages identification	C	an..17	:	M	an..17	GM uses an 8 character Identification for the container - used for the shipment of the part number identified in the following LIN segment. (use the information provided on plantlevel in the DELFOR/DELJIT) ShipDirect might use more than 8 character package type
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	7064	Type of packages	C	an..35	+			
	C402	PACKAGE TYPE IDENTIFICATION	C					
	7077	Item description type, coded	M	an..3	:			
	7064	Type of packages	C	an..35	:			
	7143	Item number type, coded	C	an..3	:			
	7064	Type of packages	C	an..35	:			
	7143	Item number type, coded	C	an..3	+			
	C532	RETURNABLE PACKAGE DETAILS	C					
	8395	Returnable package freight payment responsibility, coded	C	an..3	:			
	8393	Returnable package load contents, coded	C	an..3	'			

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

Segment group: 13 [CPS.PAC.SG13] Level: 3  
 EDIFACT status: conditional GM status: conditional  
 Maximum use: 1000 per PAC in segment group 11 GM occurrences: as required  
 Function: group of segments specifying marking, labels, and packaging numbers.  
 GM 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 GM status: mandatory  
 Maximum use: 1 per segment group 13 (max.1000 per CPS) GM occurrences: 1 per segment group 13  
 Function: segment specifying marking and labels used on individual packages or a range of packages.  
 GM interchange: **used for special delivery conditions (for code value see below)**

Example: **PCI+16'**  
 A

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	4233	MARKING INSTRUCTIONS, CODED	C	an..3	+	M	an..3	For code values see below
	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	:			
	7102	Shipping marks	C	an..35	+			
	8275	CONTAINER/PACKAGE STATUS, CODED	C	an..3	+			
	C827	TYPE OF MARKING	C					
	7511	Type of marking, coded	M	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	'			

**CODE VALUES**

**4233 –Marking instructions, coded.**

- 16 byers instructions  
 Used for SHIP DIRECT
- 17 sellers instructions / markings as specified by the seller  
 Used for Packaging Information for some Warehouses

**0490 RFF - REFERENCE**

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

Example: **RFF+CW:A1A2A3A4A'**  
           A          B

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

**CODE VALUES**

**1153 - Reference qualifier.**

- CN** Carriers reference.  
Reference number assigned by carrier to a consignment.
- CW** Package number  
Reference number identifying a package or carton within a consignment.
- SN** Seal number  
Identification number on customs or other seals affixed to containers or other transport units.
- AAT** Master Label Number  
Identifies the master label number of any package type.
- CR** Customer reference number  
Reference number assigned by the customer to a transaction

**0510 GIR - RELATED IDENTIFICATION NUMBERS**

Segment group: 13 [CPS.PAC.PCI.GIR] Level: 4  
 EDIFACT status: conditional GM status: conditional  
 Maximum use: 99 per PCI in segment group 13 GM occurrences: up to 99 in 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  
 GM interchange: **used for special delivery conditions (SHIP DIRECT and some Warehouses)**

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

A	7297	SET IDENTIFICATION QUALIFIER	M	an..3	+	M	an..3	"3" = Package.
	C206	IDENTIFICATION NUMBER	M	an..35	:	M	an..35	Actual identity number
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	IDENTIFICATION NUMBER	C	an..3	+			
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	+			
F	C206	IDENTIFICATION NUMBER	C	an..3	+			
	7402	Identity number	M	an..35	:	M	an..35	Actual identity number
	7405	Identity number qualifier	C	an..3	:	C	an..3	"ML" = Marking/label number / A unique serial number which identifies package types
	4405	Status, coded	C	an..3	+			
	C206	IDENTIFICATION NUMBER	C	an..3	+			
	7402	Identity number	M	an..35	:			
	7405	Identity number qualifier	C	an..3	:			
	4405	Status, coded	C	an..3	+			
	C206	IDENTIFICATION NUMBER	C	an..3	+			
	7402	Identity number	M	an..35	:			
	7405	Identity number qualifier	C	an..3	:			
	4405	Status, coded	C	an..3	+			
	C206	IDENTIFICATION NUMBER	C	an..3	+			
	7402	Identity number	M	an..35	:			
	7405	Identity number qualifier	C	an..3	:			
	4405	Status, coded	C	an..3	+			

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

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

**0560 LIN - LINE ITEM**

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

Example: **LIN+++12345678:IN'**  
           A    B

		EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION	
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS	
	1082	LINE ITEM NUMBER	C	n..6	+				
	1229	ACTION REQUEST/ NOTIFICATION, CODED	C	an..3	+				
A	C212	ITEM NUMBER IDENTIFICATION	C			M			
	7140	Item number	C	an..35	:	M	an..35	GM assigned 8 digit part number. Ship direct may have more digits "IN" = Buyer's item number.	
B	7143	Item number type, coded	C	an..3	:	M	an..3		
	1131	Code list qualifier	C	an..3	:				
	3055	Code list responsible agency, coded	C	an..3	+				
	C829	SUB-LINE INFORMATION	C						
	5495	Sub-line indicator, coded	C	an..3	:				
	1082	Line item number	C	n..6	+				
	1222	CONFIGURATION LEVEL	C	n..2	+				
	7083	CONFIGURATION, CODED	C	an..3	'				

**0570 PIA - ADDITIONAL PRODUCT ID**

Segment group: 15 [CPS.LIN.PIA] Level: 3  
 EDIFACT status: conditional GM status: conditional  
 Maximum use: 10 per LIN in segment group 15 GM occurrences: 2 per preceding LIN  
 Function: segment providing additional product identification.  
 GM interchange: At least one iteration is mandatory  
 Example: **PIA+1+3:RY'**  
           A B C

EDIFACT STANDARD DEFINITION						GM 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		Identification of the model year: e.g. 2 =2002; 3 = 2003, etc. (use the information provided on plantlevel in the DELFOR/DELJIT)
	7140	Item number	C	an..35	:	M	an..35	
C	7143	Item number type, coded	C	an..3	:	M	an..3	"RY" – Record keeping of model year
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C212	ITEM NUMBER IDENTIFICATION	C					Identification of Customer's article number UA = Ultimate Customer's article number Number assigned by ultimate customer to identify relevant article
	7140	Item number	C	an..35	:	C	an..35	
	7143	Item number type, coded	C	an..3	:	C	an..3	
	1131	Code list qualifier	C	an..3	:			Identification of customer's part Engineering Change level EC = Engineering Change Level
	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	+			

**0600 QTY - QUANTITY**

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

Example: **QTY+ 3:99999:C62'**  
**QTY+12:99999:C62'**  
 A B C

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SPI	ST	FT	REMARKS
<b>Cumulative quantity shipped since start of inventory year Mandatory</b>								
A	C186	QUANTITY DETAILS	M			M	an..3	"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	

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SPI	ST	FT	REMARKS
<b>Despatch quantity Mandatory</b>								
A	C186	QUANTITY DETAILS	M			M	an..3	"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 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	

**COMMENTS**

**Note:** Code value "3" in data element 6063 is used to describe the quantity "Year-To-Date Cumulative Shipped." This is the total of all quantities shipped for a particular part number since the last record year roll over, including the current shipment. For example, if year-end cutover took place on December 31<sup>st</sup>, the first shipment of the new record year on January 1<sup>st</sup> for a quantity of 50 would have a cumulative quantity shipped equal to the net quantity of the shipment (50). Only the first shipment of a new record year will manifest this condition. The next shipment for 50, would have a cum shipped of 100.



**0610 ALI - ADDITIONAL INFORMATION**

Segment group: 15 [CPS.LIN.ALI] Level: 3  
 EDIFACT status: conditional GM status: mandatory  
 Maximum use: 10 per preceding LIN GM occurrences: 1 per segment group 15  
 Function: segment to indicate that the line item is subject to special conditions due to origin, customs preference, or commercial factors.  
 GM interchange: segment is only used to indicate the country of origin of the article identified in the preceding LIN.  
 Example: **ALI+DE'**

REF		TAG	EDIFACT STANDARD DEFINITION			GM IMPLEMENTATION		REMARKS	
			NAME	ST	FT	SP	ST	FT	
A		3239	COUNTRY OF ORIGIN, CODED	C	an..3	+	M	an..3	Refer to International Standard ISO 3166 "ISO ALPHA-2 Country Code" list.
		9213	TYPE OF DUTY REGIME, CODED	C	an..3	+			
		4183	SPECIAL CONDITIONS, CODED	C	an..3	+			
		4183	SPECIAL CONDITIONS, CODED	C	an..3	+			
		4183	SPECIAL CONDITIONS, CODED	C	an..3	+			
		4183	SPECIAL CONDITIONS, CODED	C	an..3	+			
		4183	SPECIAL CONDITIONS, CODED	C	an..3	+			

**Segment group 16: RFF-NAD-CTA-DTM**

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

Example: **RFF+ON:A1A2A3A4A'**  
 A B

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

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

Segment group: 20 [CPS.LIN.SG20] Level: 3  
 EDIFACT status: conditional GM status: conditional  
 Maximum use: 9999 per LIN in segment group 15 GM 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.  
 GM interchange: **segment group 20 is only used 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 GM status: mandatory  
 Maximum use: 1 per segment group 20 (max.9999 per LIN) GM occurrences: 1 per segment group 20  
 Function: segment specifying marking and labels used on individual packages or a range of packages.  
 GM interchange: **used for PRIMARY METALS only.**  
 Example: **PCI+15+12345'**  
           A    B

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

**CODE VALUES**

**4233 - Marking instructions, coded**

15      Mark supplier number

**0910 MEA - MEASUREMENTS**

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

Example: **MEA+PD+TH+KGM:9999'**  
**MEA+PD+LN+MTR:9999'**  
 A B C D

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

**CODE VALUES**

**6313 - Property measured, coded**

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

**0920 QTY - QUANTITY**

Segment group: 20 [CPS.LIN.PCI.QTY] Level: 4  
 EDIFACT status: conditional GM status: conditional  
 Maximum use: 1 per PCI in segment group 20 GM occurrences: 1 per PCI  
 Function: Despatch quantity.  
 GM interchange: see remarks.  
 Example: **QTY+12:99999:C62'**  
           A B C

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

**Segment group 21: GIN-DLM**

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

**0940 GIN - GOODS IDENTITY NUMBER**

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

Example: **GIN+BX+BC123HVV579X'**  
           A          B

EDIFACT STANDARD DEFINITION						GM 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	IDENTITY NUMBER RANGE	M		:	M	an..35	Heat Code for PRIMARY METAL
	7402	Identity number	M	an..35	:	M	an..35	
	7402	Identity number	C	an..35	+	C	an..35	
	C208	IDENTITY NUMBER RANGE	C		:	C	an..35	
	7402	Identity number	M	an..35	:	M	an..35	
	7402	Identity number	C	an..35	+	C	an..35	
	C208	IDENTITY NUMBER RANGE	C		:	C	an..35	
	7402	Identity number	M	an..35	:	M	an..35	
	7402	Identity number	C	an..35	+	C	an..35	
	C208	IDENTITY NUMBER RANGE	C		:	C	an..35	
	7402	Identity number	M	an..35	:	M	an..35	
	7402	Identity number	C	an..35	+	C	an..35	
C208	IDENTITY NUMBER RANGE	C		:	C	an..35		
7402	Identity number	M	an..35	:	M	an..35		
7402	Identity number	C	an..35	+	C	an..35		

**NOTE: this is the last data segment for PRIMARY METALS.**

**3.8. EXAMPLE OF MESSAGE**

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

UNB+UNOA:2+MBXNOSUPPLIER+MBXNOGM+980305:1600+1234'	
UNH+1+DESADV:D:97A:UN'	
BGM++123456789+9'	<i>Shipment Identification Number</i>
DTM+137:199803051400:203'	<i>Document issue date/time</i>
DTM+11:199803051500:203'	<i>Despatch date/time</i>
DTM+132:199803061000:203'	<i>Estimated arrival date/time</i>
MEA+AAAX+G+KGM:9999'	<i>Shipment gross weight</i>
MEA+AAAX+N+KGM:9999'	<i>Shipment net weight</i>
MEA+AAAX+SQ+C62:99'	<i>Total number of Lading units</i>
RFF+CN:35'	<i>Carriers reference number</i>
NAD+MI+88123::92'	<i>Material release issuer</i>
NAD+ST+51269::92'	<i>Ship to location</i>
LOC+11+A1-A2	<i>Delivery dock</i>
NAD+SU+876543210::16'	<i>Supplier</i>
TDT+12++ M++B101::92'	<i>Transport details</i>
EQD+TE+ABC123456'	<i>Equipment identification</i>
CPS+1++1'	<i>Detail trigger segment 1</i>
PAC+10++0KLT4328'	<i>Packing details part number 1</i>
LIN+++12345678:IN'	<i>Part number 1</i>
PIA+1+7:RY'	<i>Record keeping year part number 1</i>
QTY+3:99999:C62'	<i>Qty shipped year-to-date part number 1</i>
QTY+12:99999:C62'	<i>Despatched quantity part number 1</i>
ALI+DE'	<i>Additional information</i>
RFF+ON:A1A2A3A4A'	<i>Purchase order part number 1</i>
CPS+2++1'	<i>Detail trigger segment 2</i>
PAC+5++0KLT6428'	<i>Packing details part number 2</i>
LIN+++23456789:IN'	<i>Part number 2</i>
PIA+1+7:RY'	<i>Record keeping year part number 2</i>
QTY+3:99999:C62'	<i>Qty shipped year-to-date part number 2</i>
QTY+12:99999:C62'	<i>Despatched quantity part number 2</i>
RFF+ON:B1B2B3B4B'	<i>Purchase order part number 2</i>
CPS+3++3'	<i>First line item of outer Package</i>
PAC+10+OCHEP060'	<i>Identification of Handling Unit (e.g. pallet)</i>
CPS+4++3'	<i>Second line item of outer Package</i>
PAC+10+OCHEP061'	<i>Identification of Handling Unit (e.g. cover)</i>
UNT+33+1'	
UNZ+1+1234'	

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

**3.9. SEGMENTS NOT USED IN DESADV SUBSET**

To provide a complete documentation the segments which have been defined in the EDIFACT DESADV D97.A but are not included in the subset used by GM are provided below in alphabetical sequence.

**CNT - CONTROL TOTAL**

Function: To provide control total.

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C270	<i>CONTROL</i>	M					
	6069	Control qualifier	M	an..3	:			
	6066	Control value	M	n..18	:			
	6411	Measure unit qualifier	C	an..3	'			

**COM - COMMUNICATION CONTACT**

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

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C076	<i>COMMUNICATION CONTACT</i>	M					
	3148	Communication number	M	an..512	:			
	3155	Communication number qualifier	C	an..35	'			

**CTA - CONTACT INFORMATION**

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

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	3139	<i>CONTACT FUNCTION, CODED</i>	C	an..3	+			
	C056	<i>DEPT OR EMPLOYEE DETAILS</i>	C					
	3413	Department or employee identification	C	an..17	:			
	3412	Department or employee	C	an..35	'			



## DGS - DANGEROUS GOODS

Function: To identify dangerous goods.

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	8273	DANGEROUS GOODS REGULATIONS, CODED	C	an..3	+			
	C205	<i>HAZARD CODE</i>	C					
	8351	Hazard code identification	M	an..7	:			
	8078	Hazard substance/item/page number	C	an..7	:			
	8092	Hazard code version number	C	an..10	+			
	C234	<i>UNDG INFORMATION</i>	C					
	7124	UNDG number	C	n..4	:			
	7088	Dangerous goods flashpoint	C	an..8	+			
	C223	<i>DANGEROUS GOODS SHIPMENT FLASHPOINT</i>	C					
	7106	Shipment flashpoint	C	n3	:			
	6411	Measure unit qualifier	C	an..3	+			
	8339	PACKING GROUP, CODED	C	an..3	+			
	8364	EMS NUMBER	C	an..6	+			
	8410	MFAG	C	an..4	+			
	8126	TREM CARD NUMBER	C	an..10	+			
	C235	<i>HAZARD IDENTIFICATION</i>	C					
	8158	Hazard identification number, upper part	C	an..4	:			
	8186	Substance identification number, lower part	C	an..4	+			
	C236	<i>DANGEROUS GOODS LABEL</i>	C					
	8246	Dangerous goods label marking	C	an..4	:			
	8246	Dangerous goods label marking	C	an..4	:			
	8246	Dangerous goods label marking	C	an..4	+			
	8255	PACKING INSTRUCTION, CODED	C	an..3	+			
	8325	CATEGORY OF MEANS OF TRANSPORT, CODED	C	an..3	+			
	8211	PERMISSION FOR TRANSPORT, CODED	C	an..3	'			

## DLM - DELIVERY LIMITATIONS

Function: To specify limitations on deliveries.

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	4455	BACK ORDER, CODED	C	an..3	+			
	C522	<i>INSTRUCTION</i>	C					
	4403	Instruction qualifier	M	an..3	:			
	4401	Instruction, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	4400	Instruction	C	an..35	+			
	C214	<i>SPECIAL SERVICES IDENTIFICATION</i>	C					
	7161	Special services, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	7160	Special service	C	an..35	:			
	7160	Special service	C	an..35	+			
	4457	PRODUCT/SERVICE SUBSTITUTION, CODED	C	an..35	'			

### EQA - ATTACHED EQUIPMENT

Function: To specify attached or related equipment.

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	8053	EQUIPMENT QUALIFIER	M	an..3	+			
	C237	<i>EQUIPMENT IDENTIFICATION</i>	C					
	8260	Equipment identification number	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	3207	Country, coded	C	an..3'				

### FTX - FREE TEXT

Function: To provide free text information in coded or clear form.

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	4451	TEXT SUBJECT QUALIFIER	M	an..3	+			
	4453	TEXT FUNCTION, CODED	C	an..3	+			
	C107	<i>TEXT REFERENCE</i>	C					
	4441	Free text, coded	M	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C108	<i>TEXT LITERAL</i>	C					
	4440	Free text	M	an..70	:			
	4440	Free text	C	an..70	:			
	4440	Free text	C	an..70	:			
	4440	Free text	C	an..70	:			
	4440	Free text	C	an..70	+			
	3453	LANGUAGE, CODED	C	an..3	'			

### HAN - HANDLING INSTRUCTIONS

Function: To specify handling and where necessary, notify hazards.

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C524	<i>HANDLING INSTRUCTIONS</i>	C					
	4079	Handling instructions, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	4078	Handling instructions	C	an..70	+			
	C218	<i>HAZARDOUS MATERIAL</i>	C					
	7419	Hazardous material class code, id.	C	an..4	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	7418	Hazardous material class	C	an..35	'			

**IMD - ITEM DESCRIPTION**

Function: To describe an item in either an industry or free format.

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

**MOA - MONETARY AMOUNT**

Function: To specify a monetary amount.

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C516	<i>MONETARY AMOUNT</i>	M					
	5025	Monetary amount type qualifier	M	an..3	:			
	5004	Monetary amount	C	n..18	:			
	6345	Currency, coded	C	an..3	:			
	6343	Currency qualifier	C	an..3	:			
	4405	Status, coded	C	an..3	'			

**PCD - PERCENTAGE DETAILS**

Function: To specify percentage information.

EDIFACT STANDARD DEFINITION						GM IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C501	<i>PERCENTAGE DETAILS</i>	M					
	5246	Percentage qualifier	M	an..3	:			
	5482	Percentage	C	n..10	:			
	5249	Percentage basis, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	'			

### QVR - QUANTITY VARIANCES

Function: To specify item details relating to quantity variances.

REF TAG		EDIFACT STANDARD DEFINITION				ST		FT		GM IMPLEMENTATION	
		NAME	ST	FT	SPI	ST	FT	REMARKS			
	C279	QUANTITY DIFFERENCE INFORMATION	C								
	6064	Quantity difference	M	n..15	:						
	6063	Quantity qualifier	C	an..3	+						
	4221	DISCREPANCY, CODED	C	an..3	+						
	C960	REASON FOR CHANGE	C								
	4295	Change reason, coded	C	an..3	:						
	1131	Code list qualifier	C	an..3	:						
	3055	Code list responsible agency, coded	C	an..3	:						
	4294	Change reason	C	an..35	+						

### SGP - SPLIT GOODS PLACEMENT

Function: To specify the placement of goods in relation to equipment.

REF TAG		EDIFACT STANDARD DEFINITION				ST		FT		GM IMPLEMENTATION	
		NAME	ST	FT	SPI	ST	FT	REMARKS			
	C237	EQUIPMENT IDENTIFICATION	M								
	8260	Equipment identification number	C	an..17	:						
	1131	Code list qualifier	C	an..3	:						
	3055	Code list responsible agency, coded	C	an..3	:						
	3207	Country, coded	C	an..3	+						
	7224	NUMBER OF PACKAGES	C	n..8	+						

### TOD - TERMS OF DELIVERY OR TRANSPORT

Function: To specify terms of delivery or transport.

REF TAG		EDIFACT STANDARD DEFINITION				ST		FT		GM IMPLEMENTATION	
		NAME	ST	FT	SPI	ST	FT	REMARKS			
	4055	TERMS OF DELIVERY OR TRANSPORT FUNCTION, CODED	C	an..3	+						
	4215	TRANSPORT CHARGES METHOD OF PAYMENT, CODED	C	an..3	+						
	C100	TERMS OF DELIVERY OR TRANSPORT	C								
	4053	Terms of delivery or transport, coded	C	an..3	:						
	1131	Code list qualifier	C	an..3	:						
	3055	Code list responsible agency, coded	C	an..3	:						
	4052	Terms of delivery or transport	C	an..70	:						
	4052	Terms of delivery or transport	C	an..70	+						

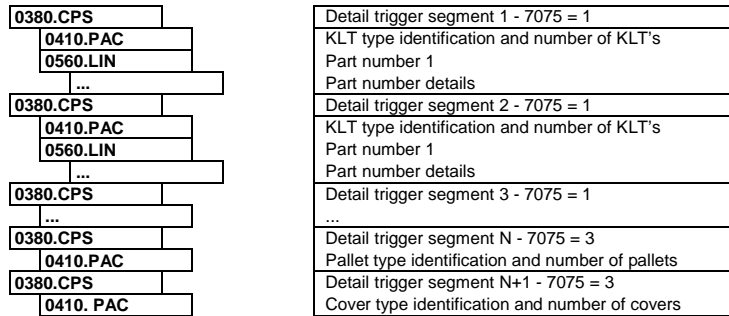
**4. MESSAGE INFORMATION**

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

**4.1. PACKAGING INFORMATION**

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

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

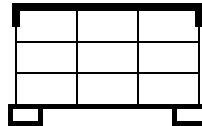


Following 7 examples are meant to illustrate the above.

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

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

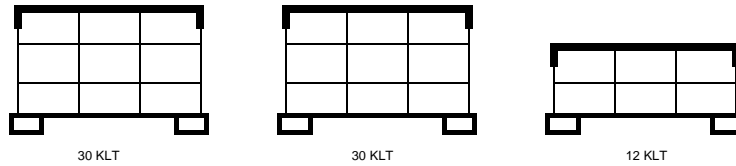
**Situation:** 3000 pieces of part number 99999990 are despatched in 30 containers type 0KLT3214. The 30 KLT containers are loaded on one pallet type 0CHEP062 and one cover type 0CHEP063 is used to protect the upper layer.



CPS+1++1'	1 <sup>st</sup> CPS segment
PAC+30++0KLT3214'	KLT details
LIN+++99999990:IN'	Part number 1
QTY+3:27000:C62'	Cumulative quantity shipped to date
QTY+12:3000:C62'	Despatched quantity part number 1
CPS+2++3'	2 <sup>nd</sup> CPS segment
PAC+1++0CHEP062'	Number of pallets and pallet type
CPS+3++3'	3 <sup>rd</sup> CPS segment
PAC+1++0CHEP063'	Number of covers and cover type

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

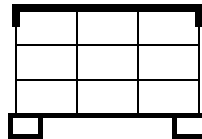
**Situation:** 7200 pieces of part number 99999990 are despatched in 72 containers type 0KLT3214. The 72 KLT's are loaded on 3 pallets type 0CHEP062 and 3 covers type 0CHEP063 are used.



CPS+1++1'	1 <sup>st</sup> CPS segment
PAC+72++0KLT3214'	KLT details
LIN+++99999990: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 <sup>nd</sup> CPS segment
PAC+3++0CHEP062'	Number of pallets and pallet type
CPS+3++3'	3 <sup>rd</sup> CPS segment
PAC+3++0CHEP063'	Number of covers and cover type

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

**Situation:** 1000 pieces of part number 99999990, 2000 pieces of part number 99999991 and 500 pieces of part number 99999992 are despatched. Each part number is loaded in 10 containers type 0KLT3214. The 30 KLT's are loaded on 1 pallet type 0CHEP062 and 1 cover type 0CHEP063 is used.

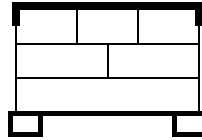


- ← PN 99999990
- ← PN 99999991
- ← PN 99999992

CPS+1++1'	1 <sup>st</sup> CPS segment
PAC+10++0KLT3214'	KLT details
LIN+++99999990:IN'	Part number 1
QTY+3:27000:C62'	Cumulative quantity shipped to date
QTY+12:1000:C62'	Despatched quantity part number 1
CPS+2++1'	2 <sup>nd</sup> CPS segment
PAC+10++0KLT3214'	KLT details
LIN+++99999991:IN'	Part number 2
QTY+3:18000:C62'	Cumulative quantity shipped to date
QTY+12:2000:C62'	Despatched quantity part number 2
CPS+3++1'	3 <sup>rd</sup> CPS segment
PAC+10++0KLT3214'	KLT details
LIN+++99999992:IN'	Part number 3
QTY+3:7500:C62'	Cumulative quantity shipped to date
QTY+12:500:C62'	Despatched quantity part number 3
CPS+4++3'	4 <sup>th</sup> CPS segment
PAC+1++0CHEP062'	Number of pallets and pallet type
CPS+5++3'	5 <sup>th</sup> CPS segment
PAC+1++0CHEP063'	Number of covers and cover type

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

**Situation:** 1000 pieces of part number 99999990 in 10 container types 0KLT3214; 1200 pieces of part number 99999993 in 4 containers type 0KLT4314 and 300 pieces of part number 99999994 in 2 containers type 0KLT6428. The 16 KLT's are loaded on 1 pallet type 0CHEP062 and 1 cover type 0CHEP063 is used.

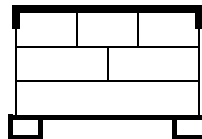


- ← PN 99999990 - 10 KLT.
- ← PN 99999993 - 4 KLT.
- ← PN 99999994 - 2 KLT.

CPS+1++1'	1 <sup>st</sup> CPS segment
PAC+10++0KLT3214'	KLT details
LIN+++99999990:IN'	Part number 1
QTY+3:18000:C62'	Cumulative quantity shipped to date
QTY+12:1000:C62'	Despatched quantity part number 1
CPS+2++1'	2 <sup>nd</sup> CPS segment
PAC+4++0KLT4314'	KLT details
LIN+++99999993:IN'	Part number 2
QTY+3:24000:C62'	Cumulative quantity shipped to date
QTY+12:1200:C62'	Despatched quantity part number 2
CPS+3++1'	3 <sup>rd</sup> CPS segment
PAC+2++0KLT6428'	KLT details
LIN+++99999994:IN'	Part number 3
QTY+3:12000:C62'	Cumulative quantity shipped to date
QTY+12:300:C62'	Despatched quantity part number 3
CPS+4++3'	4 <sup>th</sup> CPS segment
PAC+1++0CHEP062'	Number of pallets and pallet type
CPS+5++3'	5 <sup>th</sup> CPS segment
PAC+1++0CHEP063'	Number of covers and cover type

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

**Situation:** 1000 pieces of part number 99999990 in 10 containers type 0KLT3214; 800 pieces of part number 99999990 in 4 containers type 0KLT4318 and 800 pieces of part number 99999990 in 2 containers type 0KLT4328. The 16 KLT's are loaded on 1 pallet type 0CHEP062 and 1 cover type 0CHEP063 is used.



- ← PN 99999990 - 10 KLT.
- ← PN 99999990 - 4 KLT.
- ← PN 99999990 - 2 KLT.

CPS+1++1'	1 <sup>st</sup> CPS segment
PAC+1++0KLT3214'	KLT details
PAC+4++0KLT4314'	KLT details
PAC+2++0KLT4328'	KLT details
LIN+++99999990:IN'	Part number 1
QTY+3:13000:C62'	Cumulative quantity shipped to date
QTY+12:2600:C62'	Despatched quantity part number 1
CPS+2++3'	2 <sup>nd</sup> CPS segment
PAC+1++0CHEP062'	Number of pallets and pallet type
CPS+3++3'	CPS segment
PAC+1++0CHEP063'	Number of covers and cover type

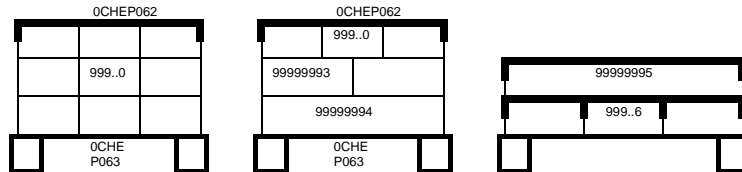
**Example 6 : different part numbers in different container types on different pallets with different covers.**

**Situation:** following quantities are despatched:

Pallet 1: (OCHEP062 and 1 cover OCHEP063) 3000 pieces of part number 99999990 are despatched in 30 containers type 0KLT3214.

Pallet 2: (OCHEP062 and 1 cover OCHEP063) 900 pieces of part number 999999990 in 9 containers type KLT3214; 1200 pieces of part number 999999993 in 4 containers type 0KLT3215 and 300 pieces of part number 999999994 in 2 containers type 0KLT3216.

Pallet 3: (V015, 3 covers 0000V056 and 6 covers 0000V050) 75 pieces of part number 999999995 in 3 containers type 0KLT3217 each with one cover 0000V056 and 360 pieces of part number 999999996 in 9 containers 0KLT3218 each with one cover 0000V050.



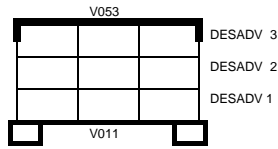
CPS+1++1'	1 <sup>st</sup> CPS segment
PAC+30++0KLT3214'	KLT details
LIN+++99999990:IN'	Part number 1
QTY+3:54000:C62'	Cumulative quantity shipped to date
QTY+12:3000:C62'	Despatched quantity part number 1
CPS+2++1'	2 <sup>nd</sup> CPS segment
PAC+9++0KLT3214'	KLT details
LIN+++999999990:IN'	Part number 2
QTY+3:1800:C62'	Cumulative quantity shipped to date
QTY+12:900:C62'	Despatched quantity part number 2
CPS+3++1'	3 <sup>rd</sup> CPS segment
PAC+9++0KLT3214'	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 <sup>th</sup> CPS segment
PAC+9++0KLT3214'	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 <sup>th</sup> CPS segment
PAC+3++0KLT3217'	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 <sup>th</sup> CPS segment
PAC+9++0KLT3218'	KLT details
LIN+++999999996:IN'	Part number 6
QTY+3:7200:C62'	Cumulative quantity shipped to date
QTY+12:360:C62'	Despatched quantity part number 6
CPS+7++3'	7 <sup>th</sup> CPS segment
PAC+2++0000V011'	Number of pallets and pallet type
CPS+8++3'	8 <sup>th</sup> CPS segment
PAC+1++0000V015'	Number of pallets and pallet type
CPS+9++3'	9 <sup>th</sup> CPS segment
PAC+2++0000V053'	Number of covers and cover type
CPS+10++3'	10 <sup>th</sup> CPS segment
PAC+1++0000V056'	Number of covers and cover type
CPS+11++3'	11 <sup>th</sup> CPS segment
PAC+9++0000V050'	Number of covers and cover type



**Example 7 : different Despatch Advices on one pallet.**

**Situation:**

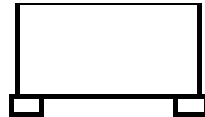
Different Despatch Advices are grouped and the material is shipped on only one pallet with only one cover. In this case the interchange should be structured as follows:



UNH+...	Message 1 header	
BGM++123456789+9'	Identification of message 1	
CPS+1++1'	1 <sup>st</sup> CPS segment	
PAC+9++0KLT3214'	KLT details	Formatted: English (U.S.)
LIN+++99999990: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 <sup>nd</sup> CPS segment	
PAC+1++0CHEP060'	Number of pallets and pallet type	
CPS+3++3'	3 <sup>rd</sup> CPS segment	
PAC+1++0CHEP061'	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 <sup>st</sup> CPS segment	
PAC+9++0KLT3214'	KLT details	Formatted: English (U.S.)
LIN+++99999991: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 <sup>st</sup> CPS segment	
PAC+9++0KLT3214'	KLT details	Formatted: English (U.S.)
LIN+++99999992: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	

**EXAMPLE 8: one part number in one transportation container.**

**Situation:** 2700 pieces of part number 99999990 are despatched in 3 containers type 000V154.



CPS+1+++4'	1 <sup>st</sup> CPS segment
PAC+3+0000V154'	Container details
LIN+++99999990:IN'	Part number 1
QTY+3:5400:C62'	Cumulative quantity shipped to date
QTY+12:2700:C62'	Despatched quantity part number 1

