

# ***Despatch Advice***

***EDIFACT D.97a***

*Version 1.1, issued 13<sup>th</sup> july 2007*

## Document Change Log

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TABLE OF CONTENT

<b>TABLE OF CONTENT</b> .....	<b>3</b>
<b>INTRODUCTION</b> .....	<b>4</b>
<b>MESSAGE DEFINITION</b> .....	<b>4</b>
FUNCTIONAL DEFINITION.....	4
PRINCIPLES .....	4
REFERENCES .....	4
FIELD OF APPLICATION .....	4
<b>MESSAGE DESCRIPTION</b> .....	<b>5</b>
INTRODUCTION .....	5
How to read this documentation .....	5
General remarks .....	6
SEGMENT TABLE.....	7
MESSAGE STANDARD DESCRIPTION .....	8
DATA SEGMENT DESCRIPTION .....	9
EXAMPLES OF MESSAGES.....	32

## *INTRODUCTION*

This document provides the definition of an Advanced Shipping Notification (ASN) or Despatch Advice Message, based on the EDIFACT DESADV D97a, to be used in Electronic Data Interchange (EDI) between a Trading Partner and the Benteler Group.

## *MESSAGE DEFINITION*

This document provides the specific description of a subset of the EDIFACT DESADV D97a message to be used between a Trading Partner and the Benteler Group.

## *FUNCTIONAL DEFINITION*

The ASN/Despatch Advice message is a message from a Benteler Supplier to the relevant Benteler application. It gives information concerning material despatched to a Benteler 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.

## *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).

The ASN/Despatch Advice message must always include the transportation information (e.g., 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. **Therefore it is mandatory that the ASN/Despatch Advice is sent immediately after the departure of the material.**

## *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 D97a 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.

## *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 Benteler for material deliveries to one or more Benteler Operations.

## MESSAGE DESCRIPTION

Following pages contain a full description of the EDIFACT DESADV D97a message as implemented by Benteler. The official EDIFACT segment description is complemented with remarks pertaining to the specific requirements for an interchange with Benteler. Those remarks contain specific code values used, additional information on the values shown in a specific field, etc.

## INTRODUCTION

### How to read this documentation

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

#### 0 0010 - UNH MESSAGE HEADER

<b>1 Segment group:</b>	none	<b>Level:</b>	0
<b>2 EDIFACT status:</b>	mandatory	<b>Benteler status:</b>	mandatory
<b>3 Maximum use:</b>	1 per message	<b>Benteler occurrences:</b>	1 per message

**4 Function:** Service segment starting uniquely identifying a message. The message type code for the order message is ORDERS.

**5 Example** UNH+1+ORDERS:D:97A:UN'  
**6**                    **A B C D E**

RE	TAG	EDIFACT STANDARD DEFINITION		BENTELER IMPLEMENTATION			
		NAME	ST	FT	ST	FT	REMARKS
7	<b>A</b> 0062	Message reference number	M	an..14	M	an..14	unique message control number
	<i>S009</i> 0065	<i>Message identifier</i> Message type	<i>M</i>		<i>M</i>		
	<b>B</b> 0065	Message type	M	an..6	M	an..6	'ORDERS'
	<b>C</b> 0052	Message version number	M	an..3	M	an..3	'D'
	<b>D</b> 0054	Message release number	M	an..3	M	an..3	'97A'
	<b>E</b> 0051	Controlling agency	M	an..2	M	an..2	'UN'
	0057	Association assigned code	C	an..6			
	0068	Common access reference	C	an..35			
	<i>S010</i> 0070	<i>Status of transfer</i> Sequence of transfer	<i>C</i>				
	0070	Sequence of transfer	M	n..2			
	0073	First and last transfer	C	a1			

**8 Comments:**

**9 Code Values:**

- 0 Segment position, tag and segment description
- 1 Segment group membership and level
- 2 EDIFACT status (mandatory/conditional) and Benteler status (mandatory/conditional/optional)
- 3 Maximum use (EDIFACT recommendation) and maximal Benteler occurrences
- 4 Description of segment functionality
- 5 Example for Benteler usage
- 6 Reference to the element description
- 7 identification of the data-elements/composites within the segment
  - reference to the example
  - element/composite tag
  - element/composite name
  - element/composite status EDIFACT (mandatory/conditional)
  - element format EDIFACT (n - numeric, an - alphanumeric) and length (6) or max. length (..6)
  - element/composite status Benteler (mandatory/conditional)
  - element format Benteler (n - numeric, an - alphanumeric) and length (6) or max. length (..6)
  - element remarks (ie. content)
- 8 Comments concerning the segment
- 9 Code values for specific elements

### *General remarks*

The following guidelines and principles apply to the whole message and are intended to facilitate the understanding and implementation of the message:

- All specified dates/times should be in the format 'yymmdd'/'hhmm' unless all parties involved in the transaction agree that there is a functional requirement for an alternative format. Periods should be specified as whole numbers representing the required period as indicated in the format qualifier (weeks, months, etc.)
- Where a choice of code or text is given only the code element should be used wherever possible.
- Conditional data that is not required in the message should not be included.
- Care must be taken that the segment qualifier in dependent segments do not conflict with the segment qualifier of the trigger segment of a group.
- Free text information within the message should be avoided as this inhibits automatic processing.

## SEGMENT TABLE

The following table shows the segments defined for the EDIFACT DESADV D.97a Order message. The segments/groups that are not used by Benteler in the subset of DESADV are not shown!

Pos	Tag	Name	EDIFACT		Benteler	
			S	R	S	R
0000	UNB	Interchange Header	M	1	M	1
0010	UNH	Message Header	M	1	M	1
0020	BGM	Beginning of message	M	1	M	1
0030	DTM	Date/time/period	M	35	M	1
0050	MEA	Measurements	C	5	M	1
0100	SG 2	<i>Segment group 2</i>	C	10	M	2
0110	NAD	Name and address	M	1	M	1
0230	SG 6	<i>Segment group 6</i>	C	10	M	1
0240	TDT	Details of transport	M	1	M	1
0290	SG 8	<i>Segment group 8</i>	C	10	M	1
0300	EQD	Equipment details	M	1	M	1
0370	SG 10	<i>Segment group 10</i>	C	9999	M	n
0380	CPS	Consignment packing sequence	M	1	M	1
0400	SG 11	<i>Segment group 11</i>	C	9999	O	n
0410	PAC	Package	M	1	M	1
0430	QTY	Quantity	C	10	M	1
0470	SG 13	<i>Segment group 13</i>	C	1000	O	1
0480	PCI	Package identification	M	1	M	1
0510	GIR	Related identification numbers	C	99	M	n
0550	SG 15	<i>Segment group 15</i>	C	9999	M	1
0560	LIN	Line item	M	1	M	1
0570	PIA	Additional product information	C	25	M	1
0600	QTY	Quantity	C	99	M	1
0710	SG 16	<i>Segment group 16</i>	C	9999	M	2
0720	DTM	Date/time/period	C	35	M	1
2260	UNS	Section control	M	1	M	1
2330	UNT	Message Trailer	M	1	M	1
2340	UNZ	Interchange Trailer	M	1	M	1

## MESSAGE STANDARD DESCRIPTION

Pos	Tag	Description
0000	UNB	<b>Interchange Header</b> service segment providing the unique identification of an interchange. It allows the identification of the sender and receiver of the interchange, gives a date and time of preparation as well as the interchange control reference and the application reference
0010	UNH	<b>Message Header</b> Service segment starting uniquely identifying a message.
0020	BGM	<b>Beginning of message</b> To indicate the type and function of a message and to transmit the identifying number.
0030	DTM	<b>Date/time/period</b> To specify date, and/or time, or period.
0050	MEA	<b>Measurements</b> A segment specifying the weight and volume of the consignment.
0100	SG 2	<b>Segment group 2</b> NAD-LOC-SG3-SG4 A group of segments identifying the parties with associated information.
0110	NAD	<b>Name and address</b> To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.
0230	SG 6	<b>Segment group 6</b> 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	<b>Details Of Transport</b> A segment specifying the carriage, and the mode and means of transport of the goods being despatched.
0290	SG 8	<b>Segment group 8</b> 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	<b>Equipment details</b> 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.
0370	SG10	<b>Segment group 10</b> 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.
0380	CPS	<b>Consignment packing sequence</b> A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.
0400	SG 11	<b>Segment group 11</b> 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	<b>Package</b> To describe the number and type of packages/physical units.
0430	QTY	<b>Quantity</b> A segment to give quantity information concerning the product.
0470	SG 13	<b>Segment group 13</b> PCI-RFF-DTM-GIR-SG14 A group of segments specifying markings, labels and packing numbers.
0480	PCI	<b>Package identification</b> To specify markings and labels on individual packages of physical units.
0510	GIR	<b>Related identification numbers</b> To specify a related set of identification numbers.
0550	SG 15	<b>Segment group 15</b> 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	<b>Line item</b> 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	<b>Additional product ID</b> A segment providing additional product identification.
0600	QTY	<b>Quantity</b> A segment to give quantity information concerning the product.
0710	SG 16	<b>Segment group 16</b> RFF-NAD-CTA-DTM A group of segments to give reference numbers and dates.
0720	RFF	<b>Reference</b> A segment identifying documents related to the line item.
2330	UNT	<b>Message Trailer</b> Service segment ending a message giving the total number of segments in the message and the control reference number of the message.
2340	UNZ	<b>Interchange Trailer</b> Service segment ending an interchange and giving the number of messages contained in the interchange as well as the interchange control reference number.

## DATA SEGMENT DESCRIPTION

### 0000 - UNB INTERCHANGE HEADER

**EDIFACT status:** mandatory      **Benteler status:** mandatory  
**Maximum use:** 1 per message      **Benteler occurrences:** 1 per message  
**Function:** service segment providing the unique identification of an interchange. It allows the identification of the sender and receiver of the interchange, gives a date and time of preparation as well as the interchange control reference and the application reference

**Example**      UNB+UNOC:3+SENDER:ZZ+RECEIVER:ZZ+070710:0945+23451'  
                   **A    B C            D E            F G            H    I**

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION			
RE	TAG	NAME	ST	FT	ST	FT	REMARKS	
<b>A</b>	S001	SYNTAX IDENTIFIERS	M		M			
	0001	Syntax identifier	M	a4	M	a4	'UNOC'	
<b>B</b>	0002	Syntax version number	M	n1	M	n1	'3'	
<b>C</b>	S002	INTERCHANGE SENDER	M		M			
	0004	Sender identification	M	an..35	M	an..35	Sender ID	
	0007	Identification code qualifier	C	an..4	C	an..4	Sender ID qualifier	
<b>D</b>	0008	Address for reverse routing	C	an..14				
	S003	INTERCHANGE RECIPIENT	M		M			
<b>E</b>	0010	Recipient identification	M	an..35	M	an..35	Receiver ID	
	0007	Identification code qualifier	C	an..4	C	an..4	Receiver ID qualifier	
	0014	Routing address	C	an..14				
<b>G</b>	S004	DATE/TIME OF PREPARATION	M		M			
	0017	Date of preparation	M	n6	M	n6	Date, format: YYMMDD	
	0019	Time of preparation	M	n4	M	n4	Time, format: HHMM	
<b>H</b>	0020	INTERCHANGE CONTROL REFERENCE	M	an..14	M	an..14	unique transmission control number	
<b>I</b>	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				

**Comments:**

**Code Values:**

## 0010 - UNH MESSAGE HEADER

**EDIFACT status:** mandatory  
**Maximum use:** 1 per message  
**Function:** Service segment starting uniquely identifying a message. The message type code for the Despatch Advice message is DESADV

**Benteler status:** mandatory  
**Benteler occurrences:** 1 per message

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

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION		
RE	TAG	NAME	ST	FT	ST	FT	REMARKS
A	0062	Message reference number	M	an..14	M	an..14	unique message control number
	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			

**Comments:**

**Code Values:**



**0030 - DTM**    DATE/TIME/PERIOD

<b>EDIFACT status:</b>	mandatory	<b>Benteler status:</b>	mandatory
<b>Maximum use:</b>	10 per message	<b>Benteler occurrences:</b>	1 per message
<b>Function:</b>	Date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Despatch Advice date.		

**Example**                    DTM+137:200706221020:203'  
   **A**    **B**                                    **C**

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION		
RE	TAG	NAME	ST	FT	ST	FT	REMARKS
	C507	DATE/TIME/PERIOD	M		M		
<b>A</b>	2005	Date/time/period qualifier	M	an..3	M	an..3	'137' - Document/message date/time
<b>B</b>	2380	Date/time/period	C	an..35	M	an..35	Date/time of document transmission
<b>C</b>	2379	Date/time/period format qualifier	C	an..3	M	an..3	'203' - CCYYMMDDhhmm

**Comments:**

**Code Values:**

**0030 - DTM**    DATE/TIME/PERIOD

<b>EDIFACT status:</b>	mandatory	<b>Benteler status:</b>	mandatory
<b>Maximum use:</b>	10 per message	<b>Benteler occurrences:</b>	1 per message
<b>Function:</b>	Date/time/period related to the whole message. The DTM segment must be specified at least once to identify the Despatch Advice date.		

**Example**                    DTM+11:200706221020:203'  
   **A** **B**    **C**

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION		
RE	TAG	NAME	ST	FT	ST	FT	REMARKS
	C507	DATE/TIME/PERIOD	M		M		
<b>A</b>	2005	Date/time/period qualifier	M	an..3	M	an..3	'11' - Despatch date/time
<b>B</b>	2380	Date/time/period	C	an..35	M	an..35	Date/time when the pick-up carrier leaves the supplier's/sender's ship location
<b>C</b>	2379	Date/time/period format qualifier	C	an..3	M	an..3	'203' - CCYYMMDDhhmm

**Comments:**

**Code Values:**

## 0050 - MEA MEASUREMENTS

**EDIFACT status:** conditional  
**Maximum use:** 5 per message  
**Function:** A segment specifying the weight and volume of the consignment.

**Benteler status:** mandatory  
**Benteler occurrences:** 1 per message

**Example** MEA+AAAX+SQ+C62:6'  
A B C D

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION		
RE	TAG	NAME	ST	FT	ST	FT	REMARKS
A	6311	Measurement purpose qualifier	M	an..3	M	an..3	'AAX' - consignment measurements
B	C502	MEASUREMENT DETAILS	C		C		'SQ' - total number of lading units
	6313	Property measured, coded	C	an..3	M	an..3	
	6321	Measurement significance, coded	C	an..3			
	6155	Measurement attribute identification	C	an..17			
	6154	Measurement attribute	C	an..70			
C D	C174	VALUE/RANGE	C		M		
	6411	Measure unit qualifier	M	an..3	M	an..3	'C62'
	6314	Measurement value	C	an..18	M	an..18	number of lading units
	6162	Range minimum	C	n..18			
	6152	Range maximum	C	n..18			
	6432	Significant digts	C	n..2			
	7383	Surface/Layer indicator, coded	C	an..3			

**Comments:**

**Code Values:**





## 0230 - Segment group 6 TDT-PCD-SG7

**Segment group:** 6 **Level:** 1  
**EDIFACT status:** conditional **Benteler status:** mandatory  
**Maximum use:** 10 per message **Benteler occurrences:** 1 per message

**Function:** 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.

**Benteler usage:** see segment description

## 0240 - TDT DETAILS OF TRANSPORT

**EDIFACT status:** conditional **Benteler status:** mandatory  
**Maximum use:** 10 per message **Benteler occurrences:** max. 1 per message  
**Function:** A segment specifying the carriage, and the mode and means of transport of the goods being despatched.

**Example** TDT+12++M++RYDD:::182'  
A B C D

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION			
RE	TAG	NAME	ST	FT	ST	FT	REMARKS	
A	8051	Transport stage qualifier	M	an..3	M	an..3	'12' - at departure	
	8028	Conveyance reference number	C	an..17				
B	C220	MODE OF TRANSPORT	C		M			
	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					
C	8179	Type of means of transport id.	C	an..8				
	8178	Type of means of transport	C	an..17				
	C040	CARRIER	C		M			
	3127	Carrier identification	C	an..17	M	an..17	SCAC-code	
	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	Transport direction, coded	C	an..3				
	C401	EXCESS TRANSPORTATION INFORMATION	C					
	8457	Excess transportation reason, coded	M	an..3				
8459	Excess transportation responsibility, coded	M	an..3					
7130	Customer authorization number	C	an..17					
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 means of transport	C	an..35					
8453	Nationality of means of transport	C	an..3					
8281	Transport ownership, coded	C	an..3					

**Comments:**

<b>Code Values:</b>	<b>8067</b>	<b>Mode of transport, coded</b>
	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
	<b>3055</b>	<b>Code list responsible agency, coded</b>
	182	US SCAC

## 0290 - Segment group 8 EQD-MEA-SEL-EQA-SG9

**Segment group:** 8 **Level:** 1  
**EDIFACT status:** conditional **Benteler status:** mandatory  
**Maximum use:** 10 per message **Benteler occurrences:** 1 per message

**Function:** A group of segments providing information relative to the equipment used for the transportation of goods relevant to the whole despatch advice.

**Benteler usage:** see segment description

## 0300 - EQD EQUIPMENT DETAILS

**EDIFACT status:** conditional **Benteler status:** mandatory  
**Maximum use:** 10 per message **Benteler occurrences:** max. 10 per message  
**Function:** 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.

**Example** EQD+TE+RK18871'  
**A B**

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION		
RE	TAG	NAME	ST	FT	ST	FT	REMARKS
<b>A</b>	8053	Equipment qualifier	M	an..3	M	an..3	For code value see below
<b>B</b>	C237	EQUIPMENT IDENTIFICATION	C		M		Used to identify equipment number, such as railcar or trailer number including initials
	8260	Equipment identification number	C	an..17	M	an..17	
	1131	Code list qualifier	C	an..3			
	3055	Code list responsible agency, coded	C	an..3			
	3207	Country, coded	C	an..3			
	C224	EQUIPMENT SIZE AND TYPE	C				
	8155	Equipment side 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			

### Comments:

**Code Values:** **8053** **Equipment qualifier**  
 TE Trailer  
 A vehicle without motor power, designed for the carriage of cargo and to be towed by a moter vehicle

### 0370 - Segment group 10 CPS-FTX-SG11-SG15

**Segment group:** 10  
**EDIFACT status:** conditional  
**Maximum use:** 9999 per message  
**Level:** 1  
**Benteler status:** mandatory  
**Benteler occurrences:** as required

**Function:** 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.

**Benteler usage:** see segment description

### 0380 - CPS CONSIGNMENT PACKING SEQUENCE

**EDIFACT status:** conditional  
**Maximum use:** 1 per segment group 10  
**Function:** A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.  
**Benteler status:** mandatory  
**Benteler occurrences:** as required

**Example** CPS+2+1+1'  
           **A B C**

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION		
RE	TAG	NAME	ST	FT	ST	FT	REMARKS
<b>A</b>	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.
<b>B</b>	7166	Hierarchical parent Id. number	C	an..12	C	an..12	Identification number of the next higher hierarchical data segment in a hierarchical structure.
<b>C</b>	7075	Packaging level, coded	C	an..3	M	an..3	For code value see below

**Comments:**

**Code Values:**    **7075**    **Packaging level**  
                   1        Inner  
                           Level of packing, if it exists, that is immediately subordinate to the intermediate packaging level.  
                   2        Intermediate  
                           Level of packaging, if it exists, that is immediately subordinate to the outer packaging level.  
                   3        Outer  
                           For packed merchandise, outermost level of packaging for a shipment.  
                   4        No packaging hierarchy  
                           There is no specifiable level of packaging: packaging is inner and outer level as well.

## 0370 - Segment group 11 PAC-MEA-QTY-SG12-SG13

**Segment group:** 11 **Level:** 2  
**EDIFACT status:** conditional **Benteler status:** mandatory (except Benteler NAO)  
**Maximum use:** 9999 per message **Benteler occurrences:** as required

**Function:** 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.

**Benteler usage:** see segment description

## 0410 - PAC PACKAGE

**EDIFACT status:** conditional **Benteler status:** mandatory  
**Maximum use:** 1 per segment group 11 **Benteler occurrences:** 1 per segment group 11  
**Function:** To describe the number and type of packages/physical units.

**Example** PAC+1+1+L GIBO GR'  
**A B C**

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION		
RE	TAG	NAME	ST	FT	ST	FT	REMARKS
<b>A</b>	7224	Number of packages	C	n..8	M	n..8	Number of packages
	<i>C531</i>	<i>Packaging details</i>	<i>C</i>				
<b>B</b>	7075	Packaging level, coded	C	an..3	M	an..3	For code value see below
	7233	Packaging related information, coded	C	an..3			
	7073	Packaging terms and conditions	C	an..3			
	<i>C202</i>	<i>Package type</i>	<i>C</i>				
<b>C</b>	7065	Type of packages identification	C	an..17	M	an..17	Benteler number of packaging
	1131	Code list qualifier	C	an..3			
	3055	Code list responsible agency, coded	C	an..3			
	7064	Type of packages	C	an..35			
	<i>C402</i>	<i>Package type identification</i>	<i>C</i>				
	7077	Item description type, coded	M	an..3			
	7064	Type of packages	M	an..35			
	7143	Item number type, coded	C	an..3			
	7064	Type of packages	C	an..35			
	7143	Item number type, coded	C	an..3			
	<i>C532</i>	<i>Returnable package details</i>	<i>C</i>				
	8395	Returnable package freight payment responsibility, coded	C	an..3			
	8393	Returnable package load contents, coded	C	an..3			

### Comments:

#### Code Values: 7075 Packaging level

- 1 Inner  
Level of packing, if it exists, that is immediately subordinate to the intermediate packaging level.
- 2 Intermediate  
Level of packaging, if it exists, that is immediately subordinate to the outer packaging level.
- 3 Outer  
For packed merchandise, outermost level of packaging for a shipment.
- 4 No packaging hierarchy  
There is no specifiable level of packaging: packaging is inner and outer level as well.



## 0470 - Segment group 13 PCI-RFF-DTM-GIR-SG14

**Segment group:** 13 **Level:** 3  
**EDIFACT status:** conditional **Benteler status:** mandatory  
**Maximum use:** 1000 per message **Benteler occurrences:** 1 per segment group 11

**Function:** A group of segments specifying markings, labels and packing numbers.

**Benteler usage:** see segment description

## 0480 - PCI PACKAGE IDENTIFICATION

**EDIFACT status:** mandatory **Benteler status:** mandatory  
**Maximum use:** 1 per per segment group 13 **Benteler occurrences:** max. 1 per segment group 13  
**Function:** To specify markings and labels on individual packages of physical units.

**Example** PCI'

RE	EDIFACT STANDARD DEFINITION				BENTELER IMPLEMENTATION		REMARKS
	TAG	NAME	ST	FT	ST	FT	
	4233	Marking instructionsm coded	C	an..3			
	<i>C210</i>	<i>Marks &amp; Labels</i>	<i>C</i>				
	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			
	8275	Container/Package status, coded	C	an..3			
	<i>C827</i>	<i>Type of marking</i>	<i>C</i>				
	7511	Type of marking, coded	M	an..3			
	1131	Code list qualifier	C	an..3			
	3055	Code list responsible agency, coded	C	an..3			

**Comments:**

**Code Values:**

## 0510 - GIR RELATED IDENTIFICATION NUMBERS

**EDIFACT status:** conditional      **Benteler status:** mandatory  
**Maximum use:** 99 per per segment group 13      **Benteler occurrences:** as required  
**Function:** To specify a related set of identification numbers.

**Example**      GIR+3+12334:BN'  
    **A B C**

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION		
RE	TAG	NAME	ST	FT	ST	FT	REMARKS
<b>A</b>	7297	Set identification qualifier	M	an..3			'3' - Package
	C206	Identification number	M				
<b>B</b>	7402	Identity number	M	an..35			Unique identification number
<b>C</b>	7405	Identity number qualifier	C	an..3			'BN' - Serial number
	4405	Status, coded	C	an..3			
	C206	Identification number	C				
	7402	Identity number	M	an..35			
	7405	Identity number qualifier	C	an..3			
	4405	Status, coded	C	an..3			
	C206	Identification number	C				
	7402	Identity number	M	an..35			
	7405	Identity number qualifier	C	an..3			
	4405	Status, coded	C	an..3			
	C206	Identification number	C				
	7402	Identity number	M	an..35			
	7405	Identity number qualifier	C	an..3			
	4405	Status, coded	C	an..3			

**Comments:**

**Code Values:**







## 0710 - Segment group 16 RFF-NAD-CTA-DTM

**Segment group:** 16 **Level:** 3  
**EDIFACT status:** conditional **Benteler status:** optional  
**Maximum use:** 99 per message **Benteler occurrences:** 2 per segment group 15

**Function:** A group of segments to give reference numbers and dates.

**Benteler usage:** see segment description

## 0720 - RFF REFERENCE

**EDIFACT status:** mandatory if segment group 16 is used **Benteler status:** mandatory  
**Maximum use:** 1 per segment group 16 **Benteler occurrences:** 1 per segment group 16  
**Function:** A segment identifying documents related to the line item.

**Example** RFF+ON: 65008982:00010 '  
A B C

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION		
RE	TAG	NAME	ST	FT	ST	FT	REMARKS
	C506	REFERENCE	M		M		
<span style="color: red;">A</span>	1153	Reference qualifier	M	an..3	M	an..3	'ON' - Order number
<span style="color: red;">B</span>	1154	Reference number	C	an..35	M	an..35	Number of the Purchase Order relevant for the defined part in the preceding LIN.
<span style="color: red;">C</span>	1156	Line number	C	an..6	O	an..6	Line Item Number of the Purchase Order relevant for the defined part in the preceding LIN.
	4000	Reference version number	C	an..35			

**Comments:** Element 1156 is mandatory for deliveries for Benteler NAO

**Code Values:**





1050 - **UNZ** INTERCHANGE TRAILER

**EDIFACT status:** mandatory  
**Maximum use:** 1 per message  
**Function:** Service segment ending an interchange and giving the number of messages contained in the interchange as well as the interchange control reference number.

**Benteler status:** mandatory  
**Benteler occurrences:** 1 per message

**Example** UNZ+1+23451'  
**A B**

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION		
RE	TAG	NAME	ST	FT	ST	FT	REMARKS
<b>A</b>	0036	Interchange control count	M	n..6	M	n..6	number of messages in an interchange
<b>B</b>	0020	Interchange control reference	M	an..14	M	an..14	unique interchange control number

**Comments:**

**Code Values:**

## EXAMPLES OF MESSAGES

### Despatch advice without packaging information

```

UNB+UNOA:2+SENDER:ZZ+RECEIVER:ZZ+070710:0945+23451'
UNH+1+DESADV:D:97A:UN'
BGM+351+81372948+9'
DTM+137:200706221020:203'
DTM+11:200706221020:203'
MEA+AAX+SQ+C62:1'
NAD+ST+0452::92'
NAD+SU+447605::16'
TDT+12++M++RYDD::182'
EQD+TE+RK18871'
CPS+1++4'
LIN+01++42296524:IN'
PIA+1+R:EC'
QTY+12:1200:C62'
RFF+ON:65008982:00010'
RFF+AAN:16'
UNT+16+1'
UNZ+1+23451'

```

### Despatch advice with packaging information (1 level)

```

UNB+UNOA:2+SENDER:ZZ+RECEIVER:ZZ+070710:0945+23451'
UNH+1+DESADV:D:97A:UN'
BGM+351+81372948+9'
DTM+137:200706221020:203'
DTM+11:200706221020:203'
MEA+AAX+SQ+C62:1'
NAD+ST+0452::92'
NAD+SU+447605::16'
TDT+12++M++RYDD::182'
EQD+TE+RK18871'
CPS+1++1'
PAC+1+1+L GIBO GR'
QTY+52:1200:C62'
PCI'
GIR+3+12334:BN'
LIN+01++42296524:IN'
PIA+1+R:EC'
QTY+12:1200:C62'
RFF+ON:65008982:00010'
RFF+AAN:16'
UNT+20+1'
UNZ+1+23451'

```

## Despatch advice with packaging information (2 levels, inner & outer package)

```

UNB+UNOA:2+SENDER:ZZ+RECEIVER:ZZ+070710:0945+23451'
UNH+1+DESADV:D:97A:UN'
BGM+351+81372948+9'
DTM+137:200706221020:203'
DTM+11:200706221020:203'
MEA+AAX+SQ+C62:5'
NAD+ST+0452::92'
NAD+SU+447605::16'
TDT+12++M++RYDD::182'
EQD+TE+RK18871'
CPS+1++3'
PAC+1+3+L DB0011'
QTY+52:5:C62'
PCI'
GIR+3+12334:BN'
CPS+2+1+1'
PAC+4+1+L 015155'
QTY+52:250:C62'
PCI'
GIR+3+82445:BN'
GIR+3+82446:BN'
GIR+3+82447:BN'
GIR+3+82448:BN'
PAC+1+1+L 015155'
QTY+52:200:C62'
PCI'
GIR+3+82449+BN'
LIN+01++42296524:IN'
PIA+1+R:EC'
QTY+12:1200:C62'
RFF+ON:65008982:00010'
RFF+AAN:16'
UNT+32+1'
UNZ+1+23451'

```