



Despatch Advice
EDIFACT DESADV D.97A
Version 1.0



Document Change Log

Version	Date	Description
1.0	30-JAN-2006	Document Issued



0. TABLE OF CONTENT

0. TABLE OF CONTENT	3
1. INTRODUCTION	4
2. MESSAGE DEFINITION	4
2.1. FUNCTIONAL DEFINITION	4
2.2. PRINCIPLES.....	4
2.3. REFERENCES.....	4
2.4. FIELD OF APPLICATION.....	5
3. MESSAGE DESCRIPTION	6
3.1. INTRODUCTION.....	6
3.1.1. How to read the documentation.....	6
3.1.2. General remarks.....	7
3.2. SEGMENT TABLE	7
3.3. MESSAGE STANDARD DESCRIPTION	9
3.4. MESSAGE STRUCTURE.....	11
3.5. DATA SEGMENTS DESCRIPTION.....	15
3.6. EXAMPLE OF MESSAGE	28



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 the Benteler Group.

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 the Benteler Group.

2.1. 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.

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).

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.**

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.

Benteler 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 Benteler and described in this document follows as close as possible the



structure of the ODETTE subset.

2.4. FIELD OF APPLICATION

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



3. MESSAGE DESCRIPTION

Following pages contain a full description of the EDIFACT DESADV D97.A 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.

3.1. INTRODUCTION

3.1.1. How to read the documentation

All segments in the subset used by Benteler 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. Benteler status: mandatory.
- ④ Maximum use: 1 per message. Benteler occurrences: segment for the unique identification of the delivery schedule document, by means of its name and its number, see remarks.
- ⑤ Function: delivery schedule document, by means of its name and its number, see remarks.
- ⑥ Benteler interchange: **BGM+351+12+5'**
A B C
- ⑦ Example:

EDIFACT STANDARD DEFINITION							BENTELER IMPLEMENTATION	
RE	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C002	DOCUMENT/MESSAGE NAME	C			C		'351' = Despatch Advice
	1001	Document/message name, coded	c c	an..3		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	+			
B	C106	DOCUMENT/MESSAGE IDENTIFICATION	c					Benteler assigned release number
	1004	Document/message number	c c	an..35		c	an..35	
	1056	Version	c	an..9				
C	1060	Revision number	c	an..6	+			Function of the message. For code values see below.
	1225	MESSAGE FUNCTION, CODED	c	an..3	+	c	an..3	
	4343	RESPONSE TYPE, CODED	c	an..3	1			

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 Benteler.
- ④ number of occurrences of the segment: as defined by EDIFACT and as used by Benteler.



- ⑤ description of the function of the segment as defined by EDIFACT and as used by Benteler.
- 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 Benteler.
- 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 Benteler.
- ⑨ Shaded areas in the Benteler description mean that the data elements is not used by Benteler
- 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 Benteler.
 - 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 Benteler.

POS.	TAG	NAME	ST	REPEATS
0010	UNH	Message header	M	1
0020	BGM	Beginning of message	M	1
0030	DTM	Date/time/period	C	10
0040	ALI	Additional information	C	5
0050	MEA	Measurements	C	5
0060	MOA	Monetary amount	C	5
0070		Segment group 1	C	10
0080	RFF	Reference	M	1
0090	DTM	Date/time/period	C	1
0100		Segment group 2	C	10
0110	NAD	Name and address	M	1
0120	LOC	Place/location identification	C	10
0130		Segment group 3	C	10
0140	RFF	Reference	M	1
0150	DTM	Date/time/period	C	1



POS.	TAG	NAME	ST	REPEATS
0160		Segment group 4	C	10
0170	CTA	Contact information	M	1
0180	COM	Communication contact	C	5
0190		Segment group 5	M	10
0200	TOD	Terms of delivery or transport	M	1
0210	LOC	Place/location identification	C	5
0220	FTX	Free text	C	5
0230		Segment group 6	C	10
0240	TDT	Details of transport	M	1
0250	PCD	Percentage details	C	6
0260		Segment group 7	C	10
0270	LOC	Place/location identification	M	1
0280	DTM	Date/time/period	C	10
0290		Segment group 8	C	10
0300	EQD	Equipment details	M	1
0310	MEA	Measurements	C	5
0320	SEL	Seal number	C	25
0330	EQA	Attached equipment	C	5
0340		Segment group 9	M	10
0350	HAN	Handling instructions	M	1
0360	FTX	Free text	C	10
0370		Segment group 10	C	9999
0380	CPS	Consignment packing sequence	M	1
0390	FTX	Free text	C	5
0400		Segment group 11	C	9999
0410	PAC	Package	M	1
0420	MEA	Measurements	C	10
0430	QTY	Quantity	C	10
0440		Segment group 12	C	10
0450	HAN	Handling instructions	M	1
0460	FTX	Free text	C	10
0470		Segment group 13	C	1000
0480	PCI	Package identification	M	1
0490	RFF	Reference	C	1
0500	DTM	Date/time/period	C	5
0510	GIR	Related identification numbers	C	99
0520		Segment group 14	C	99
0530	GIN	Good identifier number	M	1
0540	DLM	Delivery limitations	C	10
0550		Segment group 15	C	9999
0560	LIN	Line item	M	1
0570	PIA	Additional product id.	C	10
0580	IMD	Item description	C	25
0590	MEA	Monetary amount	C	10
0600	QTY	Quantity	C	10
0610	ALI	Additional information	C	10
0620	GIN	Goods identity number	C	100
0630	GIR	Related identification numbers	C	100
0640	DLM	Delivery limitations	C	100
0650	DTM	Date/time/period	C	5
0660	NAD	Name and address	C	5
0670	TDT	Details of transport	C	1
0680	HAN	Handling instructions	C	20
0690	FTX	Free text	C	99
0700	MOA	Monetary amount	C	5



POS.	TAG	NAME	ST	REPEATS
0710		Segment group 16	C	99
0720	RFF	Reference	M	1
0730	NAD	Name and address	C	1
0740	CTA	Contact information	C	1
0750	DTM	Date/time/period	C	1
0760		Segment group 17	C	10
0770	DGS	Dangerous goods	M	1
0780	QTY	Quantity	C	1
0790	FTX	Free text	C	5
0800		Segment group 18	C	100
0810	LOC	Place/location identification	M	1
0820	NAD	Name and address	C	1
0830	DTM	Date/time/period	C	1
0840	QTY	Quantity	C	1
0850		Segment group 19	C	1000
0860	SGP	Split goods placement	M	1
0870	QTY	Quantity	C	10
0880		Segment group 20	C	9999
0890	PCI	Package identification	M	1
0900	DTM	Date/time/period	C	5
0910	MEA	Measurements	C	10
0920	QTY	Quantity	C	1
0930		Segment group 21	C	10
0940	GIN	Goods identifier number	M	1
0950	DLM	Delivery limitations	C	100
0960		Segment group 22	C	10
0970	HAN	Handling instructions	M	1
0980	FTX	Free text	C	5
0990	GIN	Goods identifier number	C	1000
1000		Segment group 23	C	10
1010	QVR	Quantity variances	M	1
1020	DTM	Date/time/period	C	5
1030	CNT	Control total	C	5
1040	UNT	Message trailer	M	1



3.3. MESSAGE STANDARD DESCRIPTION

This section provides the description of the UN Standard Message DESADV as defined in the 97.A Directory. These segments are used in the subset defined by Benteler.

3.3.1 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.
- 0050 MEA, Measurements**
A segment specifying the weight and volume of the consignment.



- 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.
- 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.
- 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.

3.3.2 Detail section

Information to be provided in the Detail section:

- 0370 Segment group 10: CPS-FTX-SG11-SG15**
A group of segments providing details of all package levels and of the individual despatched items contained in the consignment. This segment group provides the capability to give the hierarchical packing relationships. The group defines a logical top-down order structure. The lowest level package information of the hierarchy is followed by the detail product information.
- 0380 CPS, Consignment packing sequence**
A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.
- 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.
- 0600 QTY, Quantity**
A segment to give quantity information concerning the product.
- 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.

3.3.3 Summary section

Information to be provided in the Summary section:

- 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.



ZA. MESSAGE STRUCTURE

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

0010.UNH	Start of Despatch Advice Message
0020.BGM	Message identification
0030.DTM	Message generation date/time
0050.MEA	Number of lading units
0110-1.NAD	Ship To destination Identification
0110-2.NAD	Supplier identification
0240.TDT	Transport details
0300.EQD	Equipment details
0380-1.CPS	Detail trigger segment 1
0560.[CPS].LIN	Part number 1
0570.[CPS.LIN].PIA	Customer part Engineering Change Level
0600.[CPS.LIN].QTY	Despatched quantity for part number 1
0720.[CPS.LIN].RFF	Purchase order and Line item number for part 1
0380-2.CPS	Detail trigger segment 2
0560.[CPS].LIN	Part number 2
0570.[CPS.LIN].PIA	Customer part Engineering Change Level
0600.[CPS.LIN].QTY	Despatched quantity for part number 2
0720.[CPS.LIN].RFF	Purchase order and Line item number for part 2
0380-3.CPS	Detail trigger segment 3
1040.UNT	Details for part number 3
	End of message

NOTE:

All data elements marked "M" for Mandatory in the "ST" field of the Benteler 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 Benteler status: mandatory
 Maximum use: 1 per interchange Benteler 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.
 Benteler interchange: see remarks.

Example: **UNB+UNOA:2+003123789:01+112836044:01+051212:0735+1234'**
 A B C D E F G

REF	TAG	EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION		
		NAME	ST	FT	SP	ST	FT	REMARKS	
A	S001	<i>SYNTAX IDENTIFIER</i>	M	a4	+	M	a4	'UNOA'.	
B	0001	Syntax identifier Syntax	M	n1		M	n1	Indication of the syntax version used for this message. Benteler uses EDIFACT syntax version 2	
C	0002	version number	M			M			
D									
E	S002	<i>INTERCHANGE SENDER</i>	M		+	M		Communication Code/Mailbox number of the party originating the message. Qualifiers to be determined by trading partner relationship.	
F	0004	Sender identification	M	an..35		M	an..35		
G	0007	Identification code qualifier	C			C			
	0008	Address for Reverse Routing	C	an..4			an..4		
	S003	<i>INTERCHANGE RECIPIENT</i>	M		+	M		'112836044' Benteler Communication Code '01' Qualifier.	
	0010	Recipient identification	M	an..35		M	an..35		
	0007	Identification code qualifier	C	an..4		C			
	0014	Routing address	C	an..14					
	S004	<i>DATE / TIME OF PREPARATION</i>	M	n6	+	M	n6	YYMMDD Format. HHMM Format.	
	0017	Date of preparation Time of preparation	M	n4		M	n4		
	0019		M			M			
	0020	INTERCHANGE CONTROL REFERENCE	M	an..14	+	M	an..14	Reference number assigned by the sender of the message. This number must uniquely identify each interface and must be UNIQUE within an inventory year.	
	S005	<i>RECIPIENTS REFERENCE</i>	C	an..14	+				
	0022	PASSWORD	M	an2					
	0025	Recipient's reference / password Recipient's reference / password qualifier	C						
	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. Benteler status: mandatory.
 Maximum use: 1 per message. Benteler occurrences: 1 per message.
 Function: service segment starting and uniquely identifying a message. The message type code for the Despatch Advice message is DESADV.
 Benteler interchange: see remarks.

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

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

1040 UNT - MESSAGE TRAILER

Segment group: none Level: 0
 EDIFACT status: mandatory Benteler status: mandatory
 Maximum use: 1 per message Benteler 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.
 Benteler interchange:

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

EDIFACT STANDARD DEFINITION						BENTELER IMPLEMENTATION		
REF	TAG	NAME	ST	LT	SP	ST	LT	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
 EDIFACT status: mandatory
 Maximum use: 1
 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 interchange: see remarks
 Example: **UNZ+1+1234'**
 A B

EDIFACT STANDARD DEFINITION						BENTELER IMPLEMENTATION		
REF	TAG	NAME	S*	+	SP	S*	+	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.



3.5. DATA SEGMENTS DESCRIPTION

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

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

0020 BGM BEGINNING OF MESSAGE

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

Example:

BGM++123456789+9'
 A B

EDIFACT STANDARD DEFINITION

BENTELER IMPLEMENTATION

REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	C002	DOCUMENT/MESSAGE NAME	o	An..3				
	1001	Document/message name, coded	o	An..3				
	1131	Code list qualifier Code list	o	An..3				
	3055	responsible agency, coded	o					
	1000	Document/message name	c	An..35	+			
B	C106	DOCUMENT/MESSAGE IDENTIFICATION	c			M		
	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). Maximum length is 9 characters
	1056	Version	c	An..9				
	1060	Revision number	c	An..6	+			
	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	'			

CODE VALUES

1225 - Message function, coded

9 Original

Initial transmission related to a given transaction. The issuer's first transmission of a message for a particular SID (1004). Benteler does not support the replace or cancel function codes.

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 MATERIAL CONTACT.



0030 DTM - DATE/TIME/PERIOD

Segment group: none Level: 1
 EDIFACT status: mandatory Benteler status: mandatory
 Maximum use: 10 per message at level 1 Benteler occurrences: max. 2 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.
 Benteler interchange: there may be max. 2 occurrences of DTM in position 0030: to specify the message issue date, and to specify the despatch date. **Two occurrences are mandatory in the messages exchanged with Benteler.**

Example: **DTM+137:200503051400:203'** Document generation
DTM+11 :200503051500:203' Despatch date/time
 A B C

EDIFACT STANDARD DEFINITION				BENTELER IMPLEMENTATION			
REF	TAG	NAME	S*	SP	S*	SP	RE-MARKS

Document generation date. MANDATORY - must be transmitted.

A	C507	DATE/TIME/PERIOD	M		M			
	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.

A	C507	DATE/TIME/PERIOD	M		M			
	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.



0050 MEA - MEASUREMENTS

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

Example: **MEA+AAx+SQ+C62:99'** Number of lading units
 A B C D

EDIFACT STANDARD DEFINITION					BENTELER IMPLEMENTATION				
REF	TAG	NAME	S*	E*	SP	S*	E*	REMARKS	

Shipped Quantity MANDATORY - must be transmitted.

A	6311	MEASUREMENT PURPOSE QUALIFIER	M	an..3	+	M	an..3	"AAX" = Consignment measurements.
	C502	MEASUREMENT DETAILS		an..3	+	C	an..3	"SQ" = Total number of Lading units.
B	6313	Property measured, coded	O	an..3		M		
	6321	Measurement significance, coded	O	an..17				
C	6155	Measurement attribute identification	O	an..70				
D	6154	Measurement attribute	O					
	C174	VALUE/RANGE	C	an..3		M	an..3	For code see UN/ECE Recommendation Nr20 Quantity
	6411	Measure unit qualifier	M	an..18		M	an..18	
6314	Measurement value	C						

REST OF SEGMENT NOT USED.

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





Segment group 2: NAD-LOC-SG3-SG4

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

0110 NAD - NAME AND ADDRESS

Segment group: 02 [NAD] Level: 1
 EDIFACT status: mandatory if segment group 02 is used Benteler status: mandatory
 Maximum use: 1 per segment group 02 (max. 10) Benteler occurrences: 2 per segment group 2
 Function: segment for identifying names, addresses, and their functions relevant to the whole Despatch Advice.
 Benteler interchange: Benteler always requires the transmission of the two occurrences detailed below. This information was also included in the DELFOR and/or DELJIT previously transmitted by Benteler.

Example: **NAD+ST+0452::92'** Ship To
NAD+SU+876543210::16' Supplier
 A B C



Ship To.

MANDATORY - must always be transmitted.

A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"ST" = Ship To
B	C082	<i>PARTY IDENTIFICATION DETAILS</i>	C		:	M	an..35	Code identifying the plant where the material must be delivered. For code value, see below.
	3039	Party id. Identification	M	an..35	:			
C	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code value, see below.
	C058	<i>NAME AND ADDRESS</i>	C		:			
	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	:			
	3124	Name and address line	C	an..35	+			
	C080	<i>PARTY NAME</i>	C		:			
	3036	Party name	M	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3036	Party name	C	an..35	:			
	3045	Party name format, coded	C	an..3	+			
C059	<i>STREET</i>	C		:				
3042	Street and number/p.o. box	M	an..35	:				
3042	Street and number/p.o. box	C	an..35	:				
3042	Street and number/p.o. box	C	an..35	:				
3042	Street and number/p.o. box	C	an..35	+				
3164	CITY NAME	C	an..35	+				
3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+				
3251	POSTCODE IDENTIFICATION	C	an..9	+				
3207	COUNTRY, CODED	C	an..3					



0110 NAD - CONTINUED

Supplier

MANDATORY - must always be transmitted.

A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	"SU" = Supplier.
B	C082	<i>PARTY IDENTIFICATION DETAILS</i>	C	an..35	+	M	an..35	Code identifying the supplier.
	3039	Party id. Identification	M	an..3		M	an..35	
C	1131	Code list qualifier	C	an..3				For code value, see below.
	3055	Code list responsible agency, coded	C			M	an..3	
	C058	<i>NAME AND ADDRESS</i>	C		+			
	C080	<i>PARTY NAME</i>	C		+			
	C059	<i>STREET</i>	C		+			
	3164	CITY NAME	C	an..35	+			
	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+			
	3251	POSTCODE IDENTIFICATION	c	an..9	+			
	3207	COUNTRY, CODED	c	an..3	'			

CODE VALUES

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

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

3055 - Code list responsible agency, coded

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



Segment group 6: TDT-PCD-SG7

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

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

EDIFACT STANDARD DEFINITION						BENTELER IMPLEMENTATION		
REF	TAG	NAME	S*	+	SP	S*	+	RE-MARKS
A	8051	TRANSPORT STAGE QUALIFIER	M	an..3	+	M	an..3	For code value, see below.
	8028	CONVEYANCE REFERENCE NR	C	an..17	+			
B	C220	MODE OF TRANSPORT	C	an..3	+	M	an..3	For code value, see below.
	8067	Mode of transport, coded	C	an..17		M		
	8066	Mode of transport	C					
C	C228	TRANSPORT MEANS Type of	C	an..8	+			
	8179	means of transport id. Type of	C	an..17				
	8178	means of transport	C					
D	C040	CARRIER	C	an..17	+	M		Code identifying the carrier. The 4 character SCAC-code is mandatory. For code value, see below.
	3127	Carrier identification	C	an..3		M	an..17	
	1131	Code list qualifier	C	an..3		M		
	3055	Code list responsible agency, coded	C	an..35				
	3128	Carrier name	C				an..3	
	8101	TRANSIT DIRECTION, CODED	C	an..3	+			
	C401	EXCESS TRANSPORTATION	C	an..3	+			
	8457	INFORMATION	M	an..3				
	8459	Excess transportation reason, coded	M	an..17				
	7130	Excess transportation responsibility, coded	C					
		Customer authorization number						
	C222	TRANSPORT IDENTIFICATION	C	an..9				
	8213	Id. of means of transport identification	C	an..3				
	1131	Code list qualifier	C	an..3				
	3055	Code list responsible agency, coded	C	an..35				
	8212	Id. of the means of transport	C	an..3				
	8453	Nationality of means of transport, coded	C					
	8281	TRANSPORT OWNERSHIP, CODED	C	an..3	'			

CODE VALUES

8051 - Transport stage qualifier

12 At departure
 Transport by which goods are moved from the place of departure. Pick-up SCAC.



3055 - Code list responsible agency, coded



182 Standard Carrier Alpha Code (SCAC)

8067 - Mode of transport, coded

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



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

Segment group: 8 Level: 1
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 10 per message at level 1 Benteler 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.
 Benteler interchange: only segment EQD is used in segment group 8.

0300 EQD - EQUIPMENT DETAILS

Segment group: 8 [EQD] Level: 1
 EDIFACT status: mandatory if segment group 08 is used Benteler status: mandatory
 Maximum use: 1 per segment group 8 (max. 10) Benteler 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.
 Benteler interchange: see remarks.

Example: **EQD+TE+A123456'**
 A B

EDIFACT STANDARD DEFINITION						BENTELER IMPLEMENTATION		
REF	TAG	NAME	S*	LEN	SP*	S*	LEN	REMARKS
A	8053	EQUIPMENT QUALIFIER	M	an..3	+	M	an..3	For code value see below.
	C237	<i>EQUIPMENT IDENTIFICATION</i>	C	an..17	+	M	an..17	Used to identify equipment number, such as railcar or trailer number including initials.
B	8260	Equipment identification number	C	an..3		M		
	1131	Code list qualifier	C	an..3				
	3055	Code list responsible agency, coded	C	an..3				
	3207	Country, coded	C					
	C224	<i>EQUIPMENT SIZE AND TYPE</i>	C	an..10	+			
	8155	Equipment size and type id. Code	C	an..3				
	1131	list qualifier	C	an..3				
	3055	Code list responsible agency, coded	C	an..35				
	8154	Equipment size and type	C					
	8077	EQUIPMENT SUPPLIER, CODED	C	an..3	+			
	8249	EQUIPMENT STATUS, CODED	C	an..3	+			
	8169	FULL/EMPTY INDICATOR, CODED	C	an..3	1			

CODE VALUES

8053 - Equipment qualifier

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



Segment group 10: CPS-FTX-SG11-SG15

Segment group: 10 [CPS] Level: 1
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 9999 per message Benteler 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.
 Benteler interchange: only segment CPS is used in segment group 10.

NOTE: Benteler requires each single part number (LIN-segment) to be preceded by a new CPS segment.

0380 CPS - CONSIGNMENT PACKING SEQUENCE (7075 = 1)

Segment group: 10 [CPS] Level: 1
 EDIFACT status: mandatory if segment group 10 is used Benteler status: mandatory
 Maximum use: 1 per segment group 10 (max. 9999) Benteler occurrences: as required
 Function: segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.
 Benteler interchange: see remarks.
 Example: **CPS+1++4'**
 A B

EDIFACT STANDARD DEFINITION

BENTELER IMPLEMENTATION

REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	7164	HIERARCHICAL ID. NUMBER	M	an..12	+	M	an..12	A unique number assigned by the sender to identify a level within a hierarchical structure. Begins with the number 1 and increments by one for each occurrence within the message. Numbers are not to be repeated within the same message.
B	7166	HIERARCHICAL PARENT ID.	C	an..12	+			
	7075	PACKAGING LEVEL, CODED	C	an..3	1	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. Must be used when sending returnable packaging.
- 2 Outer
For packed merchandise, outermost level of packaging for a shipment. For Benteler this includes the cover(s) and pallet(s).
- 3 No packaging hierarchy.
There is no specifiable level of packaging: packaging is inner and outer level as well. For Benteler this includes containers used as transportation and handling unit and which are not put on a pallet.



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 Benteler status: mandatory
 Maximum use: 9999 per CPS in segment group 10 Benteler occurrences: as required
 Function: group of segments providing details of the individual despatched items.
 Benteler 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 Benteler status: mandatory
 Maximum use: 1 per segment group 15 (max. 9999 per CPS) Benteler 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.
 Benteler interchange: see remarks.
 Example: **LIN+++561296:IN'**
 A B

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



0570 PIA - ADDITIONAL PRODUCT ID

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

EDIFACT STANDARD DEFINITION				BENTELER IMPLEMENTATION			
NAME		I ST					

A	4347	PRODUCT ID. FUNCTION QUALIFIER	M	an..3	+	M	an..3	"1" = Additional identification
B	C212	ITEM NUMBER IDENTIFICATION	M	an..35	+	M	an..35	Identification of customer's part Engineering Change level EC = Engineering Change Level
	7140	Item number	C	an..3		M	an..35	
C	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					
	C212	ITEM NUMBER IDENTIFICATION	C	an..35	+	C	an..35	
	7140	Item number	C	an..3		C	an..3	
	7143	Item number type, coded	C	an..3				
	1131	Code list qualifier	C	an..3				
	3055	Code list responsible agency, coded	C					
	C212	ITEM NUMBER IDENTIFICATION	C	an..35	+			
	7140	Item number	C	an..3				
	7143	Item number type, coded	C	an..3				
	1131	Code list qualifier	C	an..3				
	3055	Code list responsible agency, coded	C					
	C212	ITEM NUMBER IDENTIFICATION	C	an..35				
	7140	Item number	C	an..3				
	7143	Item number type, coded	C	an..3				
	1131	Code list qualifier	C	an..3				
	3055	Code list responsible agency, coded	C					



0600 QTY - QUANTITY

Segment group: 15[CPS.LIN.QTY] Level:
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 10 per preceding LIN Benteler occurrences: max.1 per segment group 15
 Function: segment to give quantity information concerning the product.
 Benteler interchange: see remarks.

Example: **QTY+12:99999:C62'**
 ABC

EDIFACT STANDARD DEFINITION

BENTELER IMPLEMENTATION

Despatch quantity

Mandatory

A	C186	<i>QUANTITY DETAILS</i>	M		M		"12" = Despatch quantity Actual quantity as defined in 6063 above. For code value see UN/ECE Recommendation no. 20. (This must be the same Unit of Measure provided on the corresponding shipment authorization document.)
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	M	an..3	



Segment group 16: RFF-NAD-CTA-DTM

Segment group: 16[CPS.LIN.SG16] Level:
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 99 per LIN in segment group 15 Benteler occurrences: 2 per segment group 15
 Function: Benteler group of segments to give reference numbers and dates, only
 interchange: RFF is used in segment group 16.

0720 RFF - REFERENCE

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

Example: **RFF+ON:5500001122:00040'**

RFF+AAN:16'
 AB C

EDIFACT STANDARD DEFINITION								BENTELER IMPLEMENTATION	
REF	TAG	NAME	ST	FT	SP	öl	FT	REMARKS	
	C506	<i>REFERENCE</i>							
A	1153	Reference qualifier	M	an..3		M	an..3	"ON" = Order number.	
B	1154	Reference number	C	an..35		M	an..35	Number of the Purchase Order relevant for the article defined in the preceding LIN.	
C	1156	Line number	C	an..6	*	M	an..5	Line item Number	
	4000	Reference version number	C	an..35					

EDIFACT STANDARD DEFINITION								BENTELER IMPLEMENTATION	
REF	TAG	NAME	ST	FT	SP	öl	FT	REMARKS	
	C506	<i>REFERENCE</i>							
A	1153	Reference qualifier	M	an..3		M	an..3	"AAN" = Release number.	
B	1154	Reference number	C	an..35		M	an..35	Release number for the part described in the preceding LIN segment.	
	1156	Line number	C	an..6					
	4000	Reference version number	C	an..35					



3.6. 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+003456789+112836044+2050305:1600+1234'	
UNH+1+DESADV:D:97A:UN'	
BGM++0011836+9'	<i>Shipment Identification Number</i>
DTM+137:200503051500:203'	<i>Document issue date/time</i>
DTM+11:200503051400:203'	<i>Despatch date/time</i>
MEA+12+SQ+C62+15	<i>Number of lading units</i>
NAD+ST+0452::92'	<i>Ship to identification</i>
NAD+S U+003456789:: 16'	<i>Supplier DUNS Number</i>
TDT+12++ M++RYDD::92'	<i>Transport details</i>
EQD+TE+ABC001998'	<i>Equipment identification</i>
CPS+1++1'	<i>Detail trigger segment 1</i>
LIN+++12345678:IN'	<i>Part number 1</i>
PIA+1+B:EC	<i>Engineering change level for part number 1</i>
QTY+12:18997:C62'	<i>Despatched quantity part number 1</i>
RFF+ON:5500001122:00010'	<i>Purchase order: Line item number part 1</i>
RFF+AAN:21:C62'	<i>Release number part number 1</i>
CPS+2++1'	<i>Detail trigger segment 2</i>
LIN+++23456789:IN'	<i>Part number 2</i>
PIA+1+C:EC	<i>Engineering change level for part number 2</i>
QTY+12:18997:C62'	<i>Despatched quantity part number 2</i>
RFF+ON:5500001122:00020'	<i>Purchase order: Line item number part 2</i>
RFF+AAN:21:C62'	<i>Release number part number 2</i>
UNT+22+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.

