BENTELER

PICK UP SHEET

DELJIT PUS

EDIFACT DELJIT D.97A

Document Change Log

Version	Date	Description
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0. TABLE OF CONTENT

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1. INTRODUCTION

This document provides the specific description of a subset of the EDIFACT DELJIT D97.A message to be used between Benteler Automotive and its Trading Partners.

This description is specifically destined to cover the requirements for the Pick Up Sheet for Benteler Automotive plants operating with the system.

2. MESSAGE DEFINITION

This document provides the definition of a Pick Up Sheet Message, based on the EDIFACT DELJIT D 97.A, to be used in Electronic Data Interchange (EDI) between Benteler Automotive and its Trading Partners (suppliers and carriers).

This documentation is fully comprehensive and allows the implementation of the Pick Up Sheet Message without the necessity for any additional standard related documentation.

2.1. FUNCTIONAL DEFINITION

The Pick Up Sheet Message is a message from a Benteler Automotive Plant to its Suppliers and Carriers to give information regarding the pick up of material at the Supplier's location as well as the delivery of the material to the receiving site as specified and according to the conditions set out in the contract or order. The material flow is exactly steered via a special call-off-document, the Pick-Up-Sheet, which is transmitted to suppliers and carriers.

The Pick Up Sheet Message is part of the Lean Materials strategy and is intended to:

- specify daily material requirements and packaging conditions to the Supplier;
- specify to both the Supplier and the Carrier a specific pick up window;
- specify to the Carrier specific delivery windows for the delivery of the material to the receiving plant in line with the specified routing.

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3. MESSAGE DESCRIPTION

Following pages contain a full description of the EDIFACT DELJIT D.97A message as implemented by Benteler Automotive. All segments are included regardless whether used or not used in the interchange with Benteler. The official EDIFACT segment description is complemented with remarks pertaining to the specific requirements for an interchange with Benteler Automotive. 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 Automotive are described in the following pages. The segment description is to be read as follows:

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❶ **0020 BGM - BEGINNING OF MESSAGE**

❷	Segment group:	none.	Level:	1.
❸	EDIFACT status:	mandatory.	BAT status:	mandatory.
❹	Maximum use:	1 per message.	BAT occurrences:	1 per message.
❺	Function:	segment for the unique identification of the delivery schedule document, by means of its name and its number.		
❺	BAT interchange:	see remarks.		
❻	Example:	**BGM+241+12+5'**		
		A B C		

❼ ❽ ❾

	EDIFACT STANDARD DEFINITION						BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP		ST	FT	REMARKS
	C002	*DOCUMENT/MESSAGE NAME*	C				C		
A	1001	Document/message name, coded	C	an..3	:		C	an..3	**'242'** = Delivery just-in-time
	1131	Code list qualifier	C	an..3	:				
	3055	Code list responsible agency, coded	C	an..3	:				
	1000	Document/message name	C	an..35	+				'**PUS**'=Pick-up Sheet
	C106	*DOCUMENT/MESSAGE IDENTIFICATION*	C						
B	1004	Document/message number	C	an..35	:		C	an..35	A unique reference number assigned by BAT to identify the Pick Up Sheet
	1056	Version	C	an..9	:				
	1060	Revision number	C	an..6	+				
C	1225	MESSAGE FUNCTION, CODED	C	an..3	+		C	an..3	Function of the message. For code values see below.
	4343	RESPONSE TYPE, CODED	C	an..3	'				

❿ **COMMENTS**

❿ **CODE VALUES**

LEGEND

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

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

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

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

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

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

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

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

❾ Shaded areas in the BAT description mean that the data elements is not used by BAT.

❿ the segment description can be followed by:
- comments providing more information regarding specific data elements and how they must be used and/or understood in messages from BAT.
- 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 DELJIT D.97A Delivery Just in Time message. Shaded areas identify the segments that are not used in the subset of DELJIT used by Benteler Automotive. 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	M	10
0040	FTX	Free text	C	5
0050		**Segment group 1**	**C**	**10**
0060	RFF	Reference	M	1
0070	DTM	Date/time/period	C	1
0080		**Segment group 2**	**C**	**20**
0090	NAD	Name and address	M	1
0100	LOC	Place/location identification	C	10
0110	FTX	Free text	C	5
0120		**Segment group 3**	**C**	**5**
0130	CTA	Contact information	M	1
0140	COM	Communication contact	C	5

POS.	TAG	NAME	ST	REPEATS
0150		**Segment group 4**	**M**	**9999**
0160	SEQ	Sequence details	M	1
0170	DTM	Date/time/period	C	5
0180	GIR	Related identification numbers	C	99
0190	LOC	Place/location identification	C	5
0200		**Segment group 5**	**C**	**5**
0210	PAC	Package identification	M	5
0220		**Segment group 6**	**C**	**999**
0230	PCI	Package identification	M	1
0240	GIN	Goods identity number	C	10
0250		**Segment group 7**	**C**	**9999**
0260	LIN	Line item	M	1
0270	PIA	Additional product id	C	10
0280	IMD	Item description	C	10
0290	ALI	Additional information	C	5
0300	GIR	Related identification numbers	C	5
0310	TDT	Details of transport	C	5
0320	FTX	Free text	C	5
0330	PAC	Package identification	C	5
0340	DTM	Date/time/period	C	5
0350		**Segment group 8**	**C**	**5**
0360	RFF	Reference	M	1
0370	DTM	Date/time/period	C	1
0380		**Segment group 9**	**C**	**5**
0390	LOC	Place/location identification	M	1
0400		**Segment group 10**	**C**	**5**
0410	CTA	Contact information	M	1
0420	COM	Communication contact	C	5
0430		**Segment group 11**	**C**	**100**
0440	QTY	Quantity	M	1
0450	SCC	Scheduling conditions	C	1
0460	DTM	Date/time/period	C	2
0470		**Segment group 12**	**C**	**5**
0480	RFF	Reference	M	1
0490	DTM	Date/time/period	C	1
0500	UNT	Message trailer	M	1

3.4. MESSAGE STANDARD DESCRIPTION

This section provides the description of the UN Standard Message DELJIT as defined in the 97A Directory. Only the segments printed in bold are used in the subset defined by Benteler Automotive 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 Delivery just in time message is DELJIT.

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

0030 DTM, Date/time/period
A segment specifying the date and, when relevant, the time/period for delivery of that sequence, relating to the whole message. The DTM segment must be specified at least once to identify the Delivery Just In Time document date.

0040 FTX, Free text
Segment giving additional information relevant to the entire message.

0050 Segment group 1: RFF-DTM
A group of segments giving references relevant to the whole message, e.g. contract number.

0060 RFF, Reference
A segment for referencing documents to the whole message, e.g. contract, import/export license.

0070 DTM, Date/time/period
Date/time/period as applied the referred document.

0080 Segment group 2: NAD-LOC-FTX-SG3
A group of segments identifying names and addresses and their functions relevant for the whole Delivery Just In Time Message.

0090 NAD, Name and address
A segment for identifying names and addresses and their functions relevant for the whole Delivery Just In Time Message.

0100 LOC, Place/location identification
A segment indicating more details regarding specific place/locations related to the party specified in the NAD segment, e.g. internal site/building number.

0110 FTX, Free text
A segment with free text in coded or clear form, to give further clarification, when required, about the party.

0120 Segment group 3: CTA-COM
A group of segments to identify person, function, department and appropriate numbers to whom communication should be directed.

0130 CTA, Contact information
A segment to identify person, function, department to whom communication should be directed.

0140 COM, Communication contact
Identify communication types and numbers for person, function, department identified in CTA.

3.4.2 Detail section

Information to be provided in the Detail section:

0150 Segment group 4: SEQ-DTM-GIR-LOC-SG5-SG7
A group of segments providing details related to the delivery sequence. All other segments in this Segment Group 4 following the SEQ segment refer to that sequence.

0160 SEQ, Sequence details
A segment providing specific details related to the delivery sequence requested by the buyer or recipient of the product.

0170 DTM, Date/time/period
A segment specifying the date, and when relevant, the time/period for delivery of that sequence.

0180 GIR, Related identification numbers
A segment to be able to give related identification numbers.

0190 LOC, Place/location identification
A segment identifying a general location to which products, as specified in the Segment Group 7, should be delivered.

0200 Segment group 5: PAC-SG6
Segment group to support KANBAN operation where customers must notify a supplier packaging labels and conditions.

0210 PAC, Package
To describe the number and type of packages/physical units.

0220 Segment group 6: PCI-GIN
A segment group giving packaging identification and good identity number related to the segment PAC.

0230 PCI, Package identification
To specify markings and labels on individual packages or physical units.

0240 GIN, Goods identity number
To give specific identification numbers, either as single numbers or ranges.

0250 Segment group 7: LIN-PIA-IMD-ALI-GIR-TDT-FTX-PAC-DTM-SG8-SG9-SG11
A group of segments providing details of the individual line items to be delivered.

0260 LIN, Line item
A segment identifying the details of the product/service being delivered e.g. product identification. All other segments in the detail section following the LIN segment refer to the line item.

0270 PIA, Additional product id
A segment providing additional product identification.

0280 IMD, Item description
A segment for describing the product to be delivered.

0290 ALI, Additional information
A segment indicating that the line item is subject to special conditions owing to origin, customs preference, or commercial factors.

0300 GIR, Related identification numbers
A segment providing sets of related identification numbers for the line item.

0310 TDT, Details of transport
A segment specifying the carriage, and the mode and means of transport of the goods to be delivered.

0320 FTX, Free text
A segment with free text in coded or clear form, to give further clarification, when required, to the line group.

0330 PAC, Package
Segment giving information related to the instruction for package type which is valid for the specified deliveries of the line item.

0340 DTM, Date/time/period
A segment specifying the date, and when relevant, the time/period for delivery of line item.

0350 Segment group 8: RFF-DTM
A group of segments giving references and where necessary, their dates, relating to the line item.

0360 RFF, Reference
A segment for referencing document and other numbers related to the line item as specified in the LIN segment.

0370 DTM, Date/time/period
Date/time/period as applied to the referred document.

0380 Segment group 9: LOC-SG10
A group of segments providing delivery location information and where relevant contacts.

0390 LOC, Place/location identification
A segment indicating more details regarding specific locations related to the line item.

0400 Segment group 10: CTA-COM
A group of segments to identify person, function, department and appropriate numbers to whom communication should be directed.

0410 CTA, Contact information
A segment to identify person, function, department to whom communication should be directed.

0420 COM, Communication contact
Identify communication types and numbers for person, function, department identified in CTA.

0430 Segment group 11: QTY-SCC-DTM-SG12
A group of segments specifying quantity related information for actual delivery.

0440 QTY, Quantity
A segment to specify pertinent quantities relating to the line item.

0450 SCC, Scheduling conditions
A segment indicating the scheduling conditions.

0460 DTM, Date/time/period
A segment indicating the date/time/period details relating to the quantity and schedule details in the line item.

0470 Segment group 12: RFF-DTM
A group of segments giving references relating to the quantities.

0480 RFF, Reference
A segment for referencing the specific product release information e.g. appointment.

0490 DTM, Date/time/period
Date/time/period as applied to the referred document.

0500 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 will be repeated in the Pick Up Sheet message to accommodate the requirements identified by Benteler Automotive.

0010.UNH	Start of Delivery Schedule Message
0020.BGM	Message identification
0030-1.DTM	Message issue date/time
0030-2.DTM	Pick up window at supplier - start
0030-3.DTM	Pick up window at supplier - end
0030-3.DTM	Expected date of goods receipt
0040-FTX	Free text
0060-1.RFF	Routing number
0060-2.RFF	Routing suffix
0060-3.RFF	BAT Premium freight transportation number
0090-1.NAD	Schedule issuer (buyer)
0130.[NAD]**.CTA**	Contact person id.
0140.[NAD.CTA]**.COM**	Communication number
0090-2.NAD	Ship to identification (consignee)
0090-3.NAD	Supplier identification
0090-5.NAD	Carrier identification
0160-1.SEQ	Start of detail section 1
0210.[SEQ].**PAC**	Package details for part number 1(single)
0230.[SEQ.PAC]**.PCI**	Shipping marks (currently not used by BAT)
0210.[SEQ].**PAC**	Package details for part number 1 (master)
0230.[SEQ.PAC]**.PCI**	Shipping marks (currently not used by BAT)
0260.[SEQ]**.LIN**	Part number 1
0270.[SEQ.LIN]**.PIA**	PUS item line number for part number 1
0280.[SEQ.LIN]**.IMD**	part number 1 description
0360.[SEQ.LIN]**.RFF**	Purchase order No / PO item no for part number 1
0360.[SEQ.LIN]**.RFF**	Handling Unit number for part number 1 (single)
0360.[SEQ.LIN]**.RFF**	Handling Unit number for part number 1 (master)
0390-1.[SEQ.LIN]**.LOC**	Unloading point identification for part number 1
0390-2.[SEQ.LIN]**.LOC**	Material handling code for part number 1(not used)
0410-1.[SEQ.LIN]**.CTA**	Contact person id for part number 1
0420-2.[SEQ.LIN]**.COM**	Communication number for part number 1
0440-3.[SEQ.LIN]**.QTY**	Chargeable weight for part number 1
0160-1.SEQ	Start of detail section 2
...	Part number 2 details
0160-1.SEQ	Start of detail section3
...	Part number 3 details
0500.UNT	End of message

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3.6. SERVICE SEGMENTS DESCRIPTION

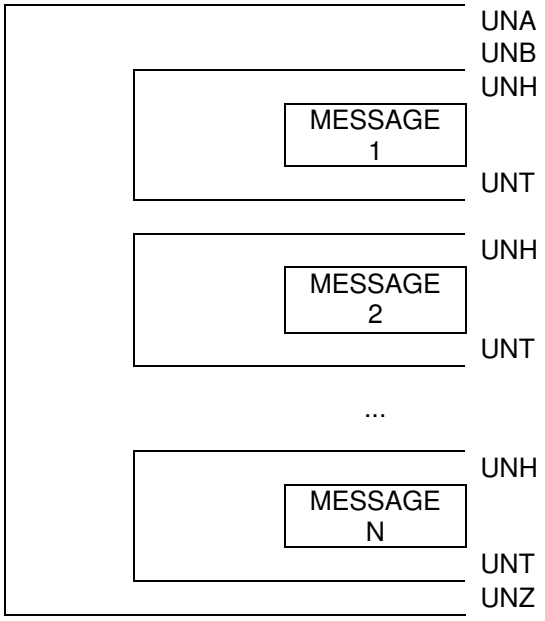
Following service segments are as defined by UN/EDIFACT and presented under ISO 9735.

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



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0000 UNA – SERVICE SEGMENT

Segment Group:	none	Level:	0
EDIFACT status:	mandatory	BAT status:	mandatory
Maximum use:	1 per interchange	BAT occurrences:	1 per interchange
Function	service segment providing the deliimiters of the message		

BAT interchange: see remarks: **UNA:+.? '**

A B C D E F G H

	EDIFACT STANDARD DEFINITION					BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	S001	*SYNTAX IDENTIFIER*	M			M		
A	0001	Syntax identifier	M	a1	:	M	a4	"**UNA**".
B	0002	Delimiter of data elments	M	a1	+	M	a1	':'
C	0003	Delimiter of data elments	M	a 1	:	M	a 1	'+'
D	0004	Delimiter of data elments	M	a..1	:	M	a.1	'.'
E	0005	Delimiter of data elments	M	a 1	:	M	a 1	'?'
F	0006	Delimiter of data elments	M	a 1	+	M	a 1	' '

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0001 UNB - INTERCHANGE HEADER

Segment Group:	none	Level:	0
EDIFACT status:	mandatory	BAT status:	mandatory
Maximum use:	1 per interchange	BAT 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.

BAT interchange: see remarks.

Example: **UNB+UNOA:2+MBXNOBENTELER+MBXNOSUPPLIER+970607:0735+ JPT00006955683++ PUS'**
A B C D E F G H

	EDIFACT STANDARD DEFINITION					BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	S001	*SYNTAX IDENTIFIER*	M			M		
A	0001	Syntax identifier	M	a4	:	M	a4	"**UNOA**".
B	0002	Syntax version number	M	n1	+	M	n1	Indication of the syntax version used for this message. BAT uses EDIFACT syntax version 2
	S002	*INTERCHANGE SENDER*	M			M		
C	0004	Sender identification	M	an..35	:	M	an..35	Communication code/mailbox number of the party originating the message.
	0007	Identification code qualifier	C	an..4	:			
	0008	Address for Reverse Routing	C	an..14	+			
	S003	*INTERCHANGE RECIPIENT*	M			M		
D	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	:			
	0014	Routing address	C	an..14	+			
	S004	*DATE / TIME OF PREPARATION*	M			M		
E	0017	Date of preparation	M	n6	:	M	n6	YYMMDD format
F	0019	Time of preparation	M	n4	+	M	n4	HHMM format
G	0020	INTERCHANGE CONTROL REFERENCE	M	an..14	+	M	an..14	For structure of the ICR number used by BAT see COMMENTS below. The ICR number is **UNIQUE** message no of Benteler ERP system (IDoc No).
	S005	*RECIPIENTS REFERENCE PASSWORD*	C					
	0022	Recipient's reference / password	M	an..14	:			
	0025	Recipient's reference / password qualifier	C	an2	+			
H	0026	APPLICATION REFERENCE	C	an..14	+	C	an..14	**"PUS"**
	0029	PROCESSING PRIORITY CODE	C	a1	+			
	0031	ACKNOWLEDGEMENT REQUEST	C	n1	+			
	0032	COMMUNICATIONS AGREEMENT ID	C	an..35	+			
	0035	TEST INDICATOR	C	n1	'			

BAT-PUS COMMENTS

0020 – Interchange Control Reference

The interchange Control Reference number used by Benteler Automotive for the identification of the Pick Up Sheet in our ERP systems is structured as follows: 3 digits SAP System Identification and 11 digits numerical unique message no within the BAT ERP system (IDoc No).

BENTELER

0010 UNH - MESSAGE HEADER

Segment group: none
Level: 0
EDIFACT status: mandatory.
BAT status: mandatory.
Maximum use: 1 per message.
BAT occurrences: 1 per message.
Function: service segment starting and uniquely identifying a message. The message type code for the Delivery Just in Time message is DELJIT.
BAT interchange: see remarks.

Example: **UNH+1+DELJIT:D:97A:UN+PUS'**
A B C D E F

EDIFACT STANDARD DEFINITION						BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	0062	MESSAGE REFERENCE NUMBER	M	an..14	+	M	an..14	Message Control number assigned by the sender to the message.
	S009	*MESSAGE IDENTIFIER*	M			M		
B	0065	Message type	M	an..6	:	M	an..6	"**DELJIT**"
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	+			
F	0068	COMMON ACCESS REFERENCE	C	an..35	+	C	an..35	"**PUS**" = Pick-up Sheet
	S010	*STATUS OF TRANSFER*	C					
	0070	Sequence of transfer	M	n..2	:			
	0073	First and last transfer	C	a1	'			

BENTELER

0500 UNT - MESSAGE TRAILER

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

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

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

BENTELER

0510 UNZ - INTERCHANGE TRAILER

Segment Group: none
Level: 0
EDIFACT status: mandatory
BAT status: mandatory
Maximum use: 1
BAT 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.
BAT interchange: see remarks.

Example: **UNZ+1+ JPT00006955683'**
A B

	EDIFACT STANDARD DEFINITION					BAT 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.

BENTELER

3.7. DATA SEGMENTS DESCRIPTION

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

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

0020 BGM - BEGINNING OF MESSAGE

Segment group: none
EDIFACT status: mandatory
Maximum use: 1 per message
Function: segment for unique identification of the Delivery Just in Time document, by means of its name and its number.
BAT interchange: used to transmit the MAIS Pick Up Sheet number

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

Example: **BGM+242::PUS+0075049468+9'**
A B C

	EDIFACT STANDARD DEFINITION					BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C002	*DOCUMENT/MESSAGE NAME*	C					
A	1001	Document/message name, coded	C	an..3	:	C	an..3	"**242**" = Delivery just-in-time
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	1000	Document/message name	C	an..35	+	M	an..35	"**PUS**" = Pick-up Sheet
	C106	*DOCUMENT/MESSAGE IDENTIFICATION*	C			C		
B	1004	Document/message number	C	an..35	:	M	an..35	A unique reference number assigned by Benteler Automotive to identify the Pick Up Sheet.
	1056	Version	C	an..9	:			
	1060	Revision number	C	an.6	+			
C	1225	MESSAGE FUNCTION, CODED	C	an..3	+	M	an..3	"**9**" = Original
	4343	RESPONSE TYPE, CODED	C	an..3	'			

BENTELER

0030 DTM - DATE/TIME/PERIOD

Segment group: none
Level: 1
EDIFACT status: mandatory
BAT status: mandatory
Maximum use: 10 per message at level 1
BAT occurrences: max.7 per message
Function: segment specifying the date and, when relevant, the time/period for delivery of that sequence, relating to the whole message.
BAT interchange: there may be up to 3 occurrences of DTM in position 0030: one to specify the message issue date, two to specify the pick up window at the supplier's site.

Example: **DTM+137:200604241330:203'**
DTM+234:200604270900:203'
DTM+235:200604271000:203'
DTM+50:20060428:102'
A B C

EDIFACT STANDARD DEFINITION						BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
Document generation date.								
	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 a message is issued.
C	2379	Date/time/period format qualifier	C	an..3	"	M	an..3	"**203**" = CCYYMMDDHHMM.
Pick up window at supplier site/start.								
	C507	*DATE/TIME/PERIOD*	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"**234**" = Collection date/time earliest.
B	2380	Date/time/period	C	an..35	:	M	an..35	Start date/time of the pick up window at the supplier site.
C	2379	Date/time/period format qualifier	C	an..3	'	M	an..3	"**203**" = CCYYMMDDHHMM.
Pick up window at supplier site/end.								
	C507	*DATE/TIME/PERIOD*	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"**235**" = Collection date/time latest.
B	2380	Date/time/period	C	an..35	:	M	an..35	End date/time of the pick up window at the supplier site.
C	2379	Date/time/period format qualifier	C	an..3	'	M	an..3	"**203**" = CCYYMMDDHHMM.
Expected date of goods receipt.								
	C507	*DATE/TIME/PERIOD*	M			M		
A	2005	Date/time/period qualifier	M	an..3	:	M	an..3	"**50**" = Collection date latest.
B	2380	Date/time/period	C	an..35	:	M	an..35	End date of the expected goods receipt at the BAT site.
C	2379	Date/time/period format qualifier	C	an..3	'	M	an..3	"**102**" = CCYYMMDDHHMM.

BENTELER

0040 FTX - FREE TEXT

Segment group: none
EDIFACT status: conditional
Maximum use: 5 per message at level 1
Function: segment with free text in coded or clear form, to give further clarification, when required, about the party.
BAT interchange: see remarks.

Level: 1
BAT status: conditional
BAT occurrences: as required

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

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

BENTELER

Segment group 1: RFF-DTM

Segment group:	1 [SG1]	Level:	1
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	10 per message at level 1	BAT occurrences:	max. 3 per message
Function:	group of segments giving references relevant to the whole message, e.g. contract number.		
BAT interchange:	only RFF is used in segment group 01.		

0060 RFF - REFERENCE

Segment group:	1 [RFF]	Level:	1
EDIFACT status:	mandatory if segment group 1 is used	BAT status:	mandatory
Maximum use:	1 per segment group 1 (max. 10)	BAT occurrences:	1 per segment group 1
Function:	segment for referencing documents to the whole message, e.g. contract, import/export license.		
BAT interchange:	see remarks.		

Example: **RFF+AEM:Z001'**
RFF+AJZ:FNFR'
RFF+AAO: 0075049468'
A B

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

Routing number

	C506	*REFERENCE*	M			M		
A	1153	Reference qualifier	M	an..3	:	M	an..3	"**AEM**" = Transportation group.
B	1154	Reference number	C	an..35	:	C	an..35	BAT defined a transportation group identification.
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

Routing Suffix

	C506	*REFERENCE*	M			M		
A	1153	Reference qualifier	M	an..3	:	M	an..3	"**AJZ**" = Transportation account number
B	1154	Reference number	C	an..35	:	C	an..35	BATdefined a special processing indicator to calculate freight costs FNFR = normal freight FRLF = rotation freight FSFL = extra tour LDM FSFR = extra tour KM
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

Premium transportation number (PUS No)

	C506	*REFERENCE*	M			M		
A	1153	Reference qualifier	M	an..3	:	M	an..3	"**AAO**" = Consignee's shipment reference nr.
B	1154	Reference number	C	an..35	:	C	an..35	BAT PUS No.: Value must be the same as 1004 document number in BGM
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

BENTELER

Segment group 2: NAD-LOC-FTX-SG3

Segment group:	2 [SG2]	Level:	1
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	20 per message at level 1	BAT occurrences:	max. 4 per message
Function:	group of segments identifying names and addresses and their functions relevant for the whole Delivery Just In Time Message.		
BAT interchange:	only segments NAD and FTX are used in segment group 02.		

0090 NAD - NAME AND ADDRESS

Segment group:	2 [NAD]	Level:	1
EDIFACT status:	mandatory if segment group 2 is used	BAT status:	mandatory
Maximum use:	1 per segment group 2 (max. 20)	BAT occurrences:	1 per segment group 2
Function:	segment for identifying names and addresses and their functions relevant for the whole Delivery Just In Time Message.		
BAT interchange:	the message may contain up to 5 NAD segments (i.e. 5 segment groups 2) to identify the buyer, the consignee, the supplier, the RDC and the carrier.		

Example:

NAD+SU+0000405070::16++SUPPLIER+STREET+CITY ++ZIPCODE' supplier
NAD+ST+0000449418::16++Consignee+STREET+CITY ++ZIPCODE' consignee
NAD+BY+0018 ::16++Benteler plant+STREET+CITY++ZIPCODE' buyer
NAD+CA+449418 ::16++PUSCarrier+STREET+CITY ++ZIPCODE' carrier

A B C D E F H J

	EDIFACT STANDARD DEFINITION					BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3035	PARTY QUALIFIER	M	an..3	+	M	an..3	For code values see below.
	C082	*PARTY IDENTIFICATION DETAILS*	C			C		
B	3039	Party id. Identification	M	an..35	:	M	an..35	Code identifying the party qualified in 3035 above. For code values see below.
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	+	M	an..3	For code values 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			C		
D	3036	Party name	M	an..35	:	M	an..35	Name of the party.
	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			C		
E	3042	Street and number/p.o. box	M	an..35	:	M	an..35	Street name of the party.
	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	+			
F	3164	CITY NAME	C	an..35	+	C	an..35	City name of the party.
G	3229	COUNTRY SUB-ENTITY IDENTIFICATION	C	an..9	+	C	an..9	National State code
H	3251	POSTCODE IDENTIFICATION	C	an..9	+	C	an..9	Postal or ZIP code.
J	3207	COUNTRY, CODED	C	an..3	'	C	an..3	Country code.

BENTELER

0090 NAD - CONTINUED

CODE VALUES

3035 - Party qualifier

SU	Supplier
ST	Ship to location (consignee)
BY	planning schedule/Material release issuer (buyer).
CA	Carrier

3039 - Party id. identification

Individual Notification by the Implementation Plant of BAT (unique identification of the business partner)

3055 - Code list responsible agency, coded

16	Assigned by buyer or buyer's agent

3207 - Country, coded

EUROPEAN UNION

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

OTHERS

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

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

BENTELER

Segment group 3: CTA-COM

Segment group:	3 [NAD.SG3]	Level:	2
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	5 per NAD in segment group 2	BAT occurrences:	1 per segment group 2
Function:	group of segments to identify person, function, department and appropriate numbers to whom communication should be directed.		
BAT interchange:	2 occurrences of segment group 3 are foreseen, i.e. one after the NAD defining the ship-to (NAD/3035 = ST) and one after the NAD defining the Lead Logistics Provider (NAD/3035 = AF).		

0130 CTA - CONTACT INFORMATION

Segment group:	3 [NAD.CTA]	Level:	2
EDIFACT status:	mandatory	BAT status:	mandatory
Maximum use:	1 per segment group 3 (max. 5 per NAD)	BAT occurrences:	1 per segment group 3
Function:	segment to identify person, function, department to whom communication should be directed.		
BAT interchange:	see remarks.		

Example: **CTA+IC+:ANTON MEYER'**
A B

EDIFACT STANDARD DEFINITION						BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3139	CONTACT FUNCTION, CODED	C	an..3	+	C	an..3	"**IC**" = Information contact.
	C056	*DEPT OR EMPLOYEE DETAILS*	C			C		
	3413	Department or employee identification	C	an..17	:			
B	3412	Department or employee	C	an..35	'	C	an..35	Name of the purchasing employee to be contacted.

BENTELER

0140 COM - COMMUNICATION CONTACT

Segment group:	3 [NAD.CTA.COM]	Level:	3
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	5 per CTA in segment group 3	BAT occurrences:	1 per segment group 3
Function:	segment to identify communication types and numbers for person, function, department identified in CTA		
BAT interchange:	see remarks.		

Example: **COM+495452812999:TE'**
A B

EDIFACT STANDARD DEFINITION						BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C076	*COMMUNICATION CONTACT*	M			M		
A	3148	Communication number	M	an..512	:	M	an..512	Complete phone number of the contact person identified in the preceding CTA.
B	3155	Communication number qualifier	C	an..3	'	M	an..3	"**TE**" = Telephone.

BENTELER

Segment group 4: SEQ-DTM-GIR-LOC-SG5-SG7

Segment group:	4 [SG4]	Level:	1
EDIFACT status:	mandatory	BAT status:	mandatory
Maximum use:	9999 per message	BAT occurrences:	as required
Function:	group of segments providing details related to the delivery sequence. All other segments in this Segment Group 4 following the SEQ segment refer to that sequence.		
BAT interchange:	only segment SEQ is used in segment group 4.		

0160 SEQ - SEQUENCE DETAILS

Segment group:	4 [SEQ]	Level:	1
EDIFACT status:	mandatory	BAT status:	mandatory
Maximum use:	1 per segment group 4 (max. 9999)	BAT occurrences:	1 per segment group 4
Function:	segment providing specific details related to the delivery sequence requested by the buyer or recipient of the product.		
BAT interchange:	in this message the SEQ segment will contain a value which has no further meaning for the handling of the part numbers defined in the following LIN segment. There will be as many occurrences of the SEQ segment as there are part numbers to be picked-up at the Supplier.		

Example: **SEQ+6'**
A

	EDIFACT STANDARD DEFINITION					BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	1245	STATUS INDICATOR, CODED	C	an..3	+	C	an..3	"**6**" = Agreement.
	C286	*SEQUENCE INFORMATION*	C					
	1050	Sequence number	M	an..6	:			
	1159	Sequence number source, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency	C	an..3	'			

Segment group 5: PAC-SG5

Segment group:	5 [SEQ.SG5]	Level:	2
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	5 per SEQ in segment group 4	BAT occurrences:	1 per segment group 4
Function:	group of segments to support KANBAN operation where customers must notify a supplier packaging labels and conditions.		
BAT interchange:			

0210 PAC - PACKAGE

Segment group:	5 [SEQ.PAC]	Level:	2
EDIFACT status:	mandatory if segment group 5 is used	BAT status:	mandatory
Maximum use:	1 per segment group 11 (max. 5 per SEQ)	BAT occurrences:	max. 5 per segment group 5
Function:	segment to describe the number and type of packages/physical units.		
BAT interchange:	see remarks.		

Example: **PAC+2+1+L HESSON 2+F:3::2.320:MTQ'**

PAC+1+3+L Europallet+F:3::2.320:MTQ'

PAC+1+4+L DECKEL'
A B C D E F

EDIFACT STANDARD DEFINITION	BAT IMPLEMENTATION

REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	7224	NUMBER OF PACKAGES	C	n..8	+	M	n..8	Number of packages, as identified in tag 7065 below, used for the delivery of the quantity, specified in the following QTY segment, of the article defined in the following LIN segment.
	C531	*PACKAGING DETAILS*	C					
B	7075	Packaging level, coded	C	an..3	:	M	an 1	1 = single package 3 = Master package 4 = sub package
	7233	Packaging related information, coded	C	an..3	:			
	7073	Packaging terms and conditions, coded	C	an..3	+			
	C202	*PACKAGE TYPE*	C			M		
C	7065	Type of packages identification	C	an..17	:	M	an..17	Identification of the type of package to be used for the delivery of the article defined in the following LIN segment.
	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					
D	7077	Item description type, coded	M	an..3	:	M	an 1	"**F**"=free form stack factor,
E	7064	Type of packages	C	an..35	:	C	an 5	Stack factor of the device group (defined in the packaging rule of BAT) This information is only transfered for packaging level 1 and 3
	7143	Item number type, coded	C	an..3	:			
F	7064	Type of packages	C	an..35	:	C	an 15	Volume of package as defined in tag 7065 measure is mostly cubic mete (with 3 Decimals) This information is only transfered for packaging level 1 and 3
	7143	Item number type, coded	C	an..3	+	C	An 3	Measure volume of package: MTQ = cubic meter CQM = cubic centimeter (this two ISO-Codes are mostly used)
	C532	*RETURNABLE PACKAGE DETAILS*	C					
	8395	Returnable package freight payment responsibility, coded	C	an..3	:			
	8393	Returnable package load contents, coded	C	an..3	'			

BENTELER

Segment group 6: PCI-GIN

Segment group:	6 [SEQ.PAC.SG6]	Level:	3
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	999 per PAC in segment group 5	BAT occurrences:	7 per segment group 5
Function:	group of segments giving packaging identification and good identity number related to the segment PAC.		
BAT interchange:	only segment PCI is used in segment group 6.		

0230 PCI - PACKAGE IDENTIFICATION

Segment group:	6 [SEQ.PAC.PCI]	Level:	3
EDIFACT status:	mandatory if segment group 6 is used	BAT status:	mandatory
Maximum use:	1 per segment group 6 (max.9999 per PAC)	BAT occurrences:	1 per segment group 6
Function:	segment specifying markings and labels on individual packages or physical units.		
BAT interchange:	see remarks.		
Example:	currently not used by BAT		

A B C

EDIFACT STANDARD DEFINITION						BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	4233	MARKING INSTRUCTIONS, CODED	C	an..3	+			
	C210	*MARKS & LABELS*	C			C		
A	7102	Shipping marks	M	an..35	:	M	an..35	Shipping marks as instructed by BAT.
	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			C		
B	7511	Type of marking, coded	M	an..3	:	M	an..3	
	1131	Code list qualifier	C	an..3	:			
C	3055	Code list responsible agency, coded	C	an..3	‘	C	an..3	”**167**” = US, AIAG (Automotive Industry Action Group)

BENTELER

Segment group 7: LIN-PIA-IMD-ALI-GIR-TDT-FTX-PAC-DTM-SG8-SG9-SG11

Segment group:	7 [SEQ.SG7]	Level:	2
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	9999 per SEQ in segment group 4	BAT occurrences:	as required
Function:	group of segments providing details of the individual line items to be delivered.		
BAT interchange:	only LIN, PIA and IMD are used in segment group 7.		

0260 LIN - LINE ITEM

Segment group:	7 [SEQ.LIN]	Level:	2
EDIFACT status:	mandatory if segment group 7 is used	BAT status:	mandatory
Maximum use:	1 per segment group 7 (max. 9999 per SEQ)	BAT occurrences:	1 per segment group 7
Function:	segment identifying the details of the product/service being delivered e.g. product identification. All other segments in the detail section following the LIN segment refer to the line item		
BAT interchange:	see remarks.		

Example: **LIN+++33396732:IN'**
A B

EDIFACT STANDARD DEFINITION						BAT 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	+			
	C212	*ITEM NUMBER IDENTIFICATION*	C			M		
A	7140	Item number	C	an..35	:	M	an..35	BATassigned part number.
B	7143	Item number type, coded	C	an..3	:	M	an..3	"**IN**" = Buyer's item number.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C829	*SUB-LINE INFORMATION*	C					
	5495	Sub-line indicator, coded	C	an..3	:			
	1082	Line item number	C	n..6	+			
	1222	CONFIGURATION LEVEL	C	n..2	+			
	7083	CONFIGURATION, CODED	C	an..3	'			

BENTELER

0270 PIA - ADDITIONAL PRODUCT ID

Segment group:	7 [SEQ.LIN.PIA]	Level:	3
EDIFACT status:	conditional	BATstatus:	conditional
Maximum use:	10 per LIN in segment group 7	BAToccurrences:	1 per segment group 7
Function:	segment providing additional product identification.		
BAT interchange:	see remarks.		

Example: **PIA+1+00001:PL’**
A B C

	EDIFACT STANDARD DEFINITION					BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	4347	PRODUCT ID. FUNCTION QUALIFIER	M	an..3	+	M	an..3	”**1**” = Additional identification
	C212	*ITEM NUMBER IDENTIFICATION*	M			M		
B	7140	Item number	C	an..35	:	M	an..35	Entry is GME Kanban number. (add. part no).
C	7143	Item number type, coded	C	an..3	:	M	an..3	”**PL**” = line item number of the Pick up Sheet.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C212	*ITEM NUMBER IDENTIFICATION*	C					
	7140	Item number	C	an..35	:			
	7143	Item number type, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C212	*ITEM NUMBER IDENTIFICATION*	C					
	7140	Item number	C	an..35	:			
	7143	Item number type, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C212	*ITEM NUMBER IDENTIFICATION*	C					
	7140	Item number	C	an..35	:			
	7143	Item number type, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	+			
	C212	*ITEM NUMBER IDENTIFICATION*	C					
	7140	Item number	C	an..35	:			
	7143	Item number type, coded	C	an..3	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	‘			

BENTELER

0280 IMD – ITEM DESCRIPTION

Segment group:	7 [SEQ.LIN.IMD]	Level:	3
EDIFACT status:	conditional	BATstatus:	conditional
Maximum use:	10 per LIN in segment group 7	BATоccurrences:	1 per segment group 7
Function:	segment providing a description of the product to be delivered		
BAT interchange:	see remarks.		

Example: **IMD+A+:::Lagerbock Teil 2 vorne links'**
A B

	EDIFACT STANDARD DEFINITION					BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	7077	ITEM DESCRIPTION TYPE	M	an..3	+	M	an..3	"**A** = long text product description
	7078	*ITEM CHARACTERISTICS*	C	An 3	:			
	C273	*ITEM DESCRIPTION*	M					
	7009	Item description identification	C	an..35	:			
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
B	7008	Item description	C	an..35	:	M	an 35	Description of the product to be delivered as defined in seg. LIN tag 7140
	7008	Item description	C	an..35	:			
	3453	Language Code	C	an..3	+			
	7383	Code list responsible agency, coded	C	an..3	'			

BENTELER

Segment group 8: RFF-DTM

Segment group:	8 [SEQ.LIN.SG8]	Level:	3
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	5 per segment group 7	BAT occurrences:	1 per segment group 7
Function:	group of segments giving references and where necessary, their dates, relating to the line item.		
BAT interchange:	see remarks.		

0360 RFF - REFERENCE

Segment group:	8 [SEQ.LIN.RFF]	Level:	3
EDIFACT status:	mandatory if segment group 8 is used	BAT status:	mandatory
Maximum use:	1 per segment group 8 (max.5)	BAT occurrences:	1 per segment group 8 max.99)
Function:	segment for referencing document and other numbers related to the line item as specified in the LIN segment.		
BAT interchange:	used to transmit the purchase order and the package number.		

Example: **RFF+ON:0065005177:000010'**

RFF+CW:0015005177'

RFF+ACI:0015005170'
A B C

Purchase Order information

EDIFACT STANDARD DEFINITION						BAT 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**" = purchase order number.
B	1154	Reference number	C	an..35	:	C	an..35	Reference number assigned by BAT to purchase order.
C	1156	Line number	C	an..6	:	C	an.6	Item line number of purchase order
	4000	Reference version number	C	an..35	'			

Package number (Handling Unit number) of the single package

EDIFACT STANDARD DEFINITION						BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C506	*REFERENCE*	M			M		
A	1153	Reference qualifier	M	an..3	:	M	an..3	"**CW**" = Package number of single package.
B	1154	Reference number	C	an..35	:	C	an..35	Reference number assigned by BAT to identify the single package (Handling Unit number)
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

Package number (Handling Unit number) of the master package

EDIFACT STANDARD DEFINITION						BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C506	*REFERENCE*	M			M		
A	1153	Reference qualifier	M	an..3	:	M	an..3	"**ACI**" = Package number of master.
B	1154	Reference number	C	an..35	:	C	an..35	Reference number assigned by BAT to identify the master package (Handling Unit number)
	1156	Line number	C	an..6	:			
	4000	Reference version number	C	an..35	'			

Remarks:
The package numbers of the single and master packaging (Segment RFF+CW and RFF+ACI) are only transfered to the business partners after the supplier has confirmed the Benteler PUS and Benteler has packed the Pick Up Sheet in the ERP system.

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Segment group 9: LOC-SG10

Segment group:	9 [SEQ.LIN.SG9]	Level:	3
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	5 per LIN in segment group 7	BAT occurrences:	max. 2 per segment group 7
Function:	group of segments providing delivery location information and where relevant contacts.		
BAT interchange:	there will be two occurrences of segment group 9: one providing the dock code at destination and one to provide the material handling code.		

0390 LOC - PLACE/LOCATION IDENTIFICATION

Segment group:	9 [SEQ.LIN.LOC]	Level:	3
EDIFACT status:	mandatory if segment group 9 is used	BAT status:	mandatory
Maximum use:	1 per segment group 9 (max. 5 per LIN)	BAT occurrences:	1 per segment group 9
Function:	segment indicating more details regarding specific places/locations related to the line item.		
BAT interchange:	see remarks.		

Example: **LOC+11 +0018'**
LOC+159+currently not used'
A B

	EDIFACT STANDARD DEFINITION					BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
		Plant code / Dock code.						
A	3227	PLACE/LOCATION QUALIFIER	M	an..3	+	M	an..3	"**11**" = Place/port of discharge.
	C517	*LOCATION IDENTIFICATION*	C			C		
B	3225	Place/location identification	C	an..25	:	M	an..25	Code identifying the receiving BAT plant or dock code where the goods will be delivered.
	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	'			
		Material handling code.						
A	3227	PLACE/LOCATION QUALIFIER	M	an..3	+	M	an..3	"**159**" = Additional internal destination.
	C517	*LOCATION IDENTIFICATION*	C			C		
B	3225	Place/location identification	C	an..25	:	M	an..25	Currently not used by BAT.
	1131	Code list qualifier	C	an..3	:			
	3055	Code list responsible agency, coded	C	an..3	:			
	3224	Place/location	C	an..70	+			
		REST OF SEGMENT NOT USED.						

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Segment group 10: CTA-SG10

Segment group:	10 [SEQ.LIN.SG10]	Level:	3
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	5 per LIN in segment group 7	BAT occurrences:	max. 2 per segment group 7
Function:	group of segments providing delivery location information and where relevant contacts.		
BAT interchange:	there will be two occurrences of segment group 9: one providing the dock code at destination and one to provide the material handling code.		

0410 CTA - CONTACT INFORMATION

Segment group:	10 [LIN.CTA]	Level:	2
EDIFACT status:	conditional	BAT status:	mandatory
Maximum use:	1 per segment group 10 (max. 5 per LIN)	BAT occurrences:	1 per segment group 10
Function:	segment to identify the responsible mrp controller to whom communication should be directed.		
BAT interchange:	see remarks.		

Example: **CTA+IC+:FRITZ MUELLER'**
A B

EDIFACT STANDARD DEFINITION						BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
A	3139	CONTACT FUNCTION, CODED	C	an..3	+	C	an..3	"**IC**" = Information contact.
	C056	*DEPT OR EMPLOYEE DETAILS*	C			C		
	3413	Department or employee identification	C	an..17	:			
B	3412	Department or employee	C	an..35	'	C	an..35	Name of the responsible mrp controller to be contacted.

0420 COM - COMMUNICATION CONTACT

Segment group:	3 [NAD.CTA.COM]	Level:	3
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	1 per CTA in segment group 10	BAT occurrences:	1 per segment group 10
Function:	segment to identify the responsible mrp controller to whom communication should be directed		
BAT interchange:	see remarks.		

Example: **COM+495452816510:TE'**
A B

EDIFACT STANDARD DEFINITION						BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C076	*COMMUNICATION CONTACT*	M			M		
A	3148	Communication number	M	an..512	:	M	an..512	Complete phone number of the contact person identified in the preceding CTA.
B	3155	Communication number qualifier	C	an..3	'	M	an..3	"**TE**" = Telephone.

BENTELER

Segment group 11: QTY-SCC-DTM-SG12

Segment group:	11 [SEQ.LIN.SG11]	Level:	3
EDIFACT status:	conditional	BAT status:	conditional
Maximum use:	100 per LIN in segment group 7	BAT occurrences:	max. 3 per segment group 7
Function:	group of segments specifying quantity related information for actual delivery.		
BAT interchange:	there may be up to three occurrences of segment group 11: one providing the actual quantity to be delivered, one to indicate the quantity per pack and one specifying the chargeable gross weight.		

0440 QTY - QUANTITY

Segment group:	11 [SEQ.LIN.QTY]	Level:	3
EDIFACT status:	mandatory if segment group 11 is used	BAT status:	mandatory
Maximum use:	1 per segment group 11 (max. 100 per LIN)	BAT occurrences:	1 per segment group 11
Function:	segment to specify pertinent quantities relating to the line item.		
BAT interchange:	see remarks.		

Example: **QTY+1 :2000'**
QTY+52 :1200'
QTY+101:600'
A B

EDIFACT STANDARD DEFINITION						BAT IMPLEMENTATION		
REF	TAG	NAME	ST	FT	SP	ST	FT	REMARKS
	C186	*QUANTITY DETAILS*	M			M		
A	6063	Quantity qualifier	M	an..3	:	M	an..3	"**1**" = Discrete quantity.
B	6060	Quantity	M	n..15	:	M	n..12	Actual quantity of the part number defined in the preceding LIN that must be delivered.
	6411	Measure unit qualifier	C	an..3	'			

Quantity to be delivered.

	C186	*QUANTITY DETAILS*	M			M		
A	6063	Quantity qualifier	M	an..3	:	M	an..3	"**52**" = Quantity per pack.
B	6060	Quantity	M	n..15	:	M	n..12	Actual quantity of the part number defined in the preceding LIN that is contained in the package identified in the preceding PAC.
	6411	Measure unit qualifier	C	an..3	'			

Quantity in package.

	C186	*QUANTITY DETAILS*	M			M		
A	6063	Quantity qualifier	M	an..3	:	M	an..3	"**101**" = Chargeable gross weight.
B	6060	Quantity	M	n..15	:	M	n..12	Actual gross weight of the total quantity to be delivered and the packaging identified in the preceding PAC..
	6411	Measure unit qualifier	C	an..3	'			

Chargeable gross weight.

BENTELER

3.8. EXAMPLE OF MESSAGE WITH SINGLE PACKAGING LEVEL

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+MBXNOBENTELER+MBXNOSUPPLIER+970607:0735+ JPT00006955683++ PUS’	
UNH+1+DELJIT:D:97A:UN+PUS’	
BGM+242::PUS+0075049468+9’	BAT Pick Up Sheet identification
DTM+137:200604251330:203’	Document issue date/time
DTM+234:200604271000:203’	Pick up window at supplier - start
DTM+235:200604271000:203’	Pick up window at supplier - end
DTM+50:20060428:102’	goods receipt date at BAT
FTX+AAI+++TEXT’	Free text
RFF+AEM:Z001’	Routing number/Transport group
RFF+AJZ:FNFR’	Routing suffix/charging indicator
RFF+AAO: 0075049468’	Transportation number/PUS No
NAD+SU+0000405070::16++ MEFRO-METALLWARENFABRIK+ LUDWIG-THOMA-STR. 29+ ROHRDORF++83101’	Supplier
NAD+ST+0000449418::16++ TLS+ BELLSTRASSE 12+ SCHWANDORF++92421’	Consignee
NAD+BY+0018::16++BENTELERAutomobiletechnik GmbH+Bellstraße 12+SCHWARNDORF++92421’	Buyer
NAD+CA+0000449446::16++Fichtl Logistik OHG+Eichelberg 37+ Lappersdorf-Pielmuehle++ 93138’	
CTA+IC+:Herr Dreblow’	Consignee’s contact person purchasing
COM+05254815675:TE’	Telephone number purchasing
SEQ+6’	Detail trigger segment 1
PAC+1+1+L 015155+F:3::2.320:MTQ’	Packing details part number 1
PCI++currently not used by BAT+++::167’	Label Shipping Marks
LIN+++ 33396732:IN’	Part number 1
PIA+1+00001:PL’	line item number of the Pickup Sheet
IMD+A+:::Lagerbock Teil 2 vorne links’	item description
RFF+ON:0065005177:000010’	purchase order number / PO item no
RFF+CW:10441173’	BAT Handling Unit No 1for part 1
LOC+11+0018’	port of discharge for part 1
CTA+IC+:Herr IRLBECK’	MRP controller (consignee)
COM+09431638121:TE’	Telephone number MRP controller
QTY+1:2000’	Quantity to be delivered for part 1
QTY+52:5000’	Quantity per pack for part 1
QTY+101:212’	Chargeable weight for part 1
SEQ+6’	Detail trigger segment 1
PAC+2+1+L HESSON 2+F:2::1.420:MTQ’	Packing details part number 1
PCI++currently not used by BAT+++::167’	Label Shipping Marks
LIN+++ 35397991:IN’	Part number 2
PIA+1+00003:PL’	line item number of the Pickup Sheet
IMD+A+:::Diff.-Konsole vorne, AUC6 C E9020’	item description
RFF+ON:0065005177:000060’	purchase order number / PO item no
RFF+CW: 10441175’	BAT Handling Unit No 1for part 2
RFF+CW: 10441176’	BAT Handling Unit No 2 for part 2
LOC+11+0018’	port of discharge for part 2
CTA+IC+:Herr KOEHLER’	MRP controller (consignee) for part 2
COM+09431638122:TE’	Telephone number MRP controller
QTY+1:2000’	Quantity to be delivered for part 2
QTY+52:1200’	Quantity per pack for part 2
QTY+101:600’	Chargeable weight for part 2
SEQ+6’	Detail trigger segment 3
...	Details for part 3
SEQ+6’	Detail trigger segment n
...	Details for part *n*
UNT+47+1’	
UNZ+1+ JPT00006955683’	

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. On the next page is an example of how the same message will look when transmitted.

BENTELER

```
UNB+UNOA:2+MBXNOBENTELER+MBXNOSUPPLIER+970607:0735+JPT00006955683++ PUS'UNH+1+DELJIT:D:97A:UN+PU
S'BGM+242::PUS+0075049468+9'DTM+137:200604251330:203'DTM+234:200604271000:203'DTM+235:200604271000:203'DTM
+50:20060428:102'FTX+AAI+++TEXT'RFF+AEM:Z001'RFF+AJZ:FNFR'RFF+AAO:0075049468'NAD+SU+0000405070::16++MEF
RO_METALLWARENFABRIK+LUDWIG_THOMA_STR29+ROHRDORF++83101'NAD+ST+0000449418::16++TLS+BELLSTRASS
E_12+SCHWANDORF++92421'NAD+BY+0018::16++BENTELERAutomobiletechnik_GmbH+Bellstraße_12+SCHWARNDORF++9
2421'NAD+CA+0000449446::16++FichtlLogistikOHG+Eichelberg37+Lappersdorfielmuehle++93138'CTA+IC+:Herr_Dreblow'COM+
05254815675:TE'SEQ+6'PAC+1+1+L.015155+F:3::2.320:MTQ'PCI++currently_not_used_by_BAT+++::167'LIN+++33396732:IN'PI
A+1+00001:PL'IMD+A+:::LagerbockTeil2vornelinks'RFF+ON:0065005177:000010'RFF+CW:10441173'LOC+11+0018'CTA+IC+:He
rr_IRLBECK'COM+09431638121:TE'QTY+1:2000'QTY+52:5000'QTY+101:212'SEQ+6'PAC+2+1+L_HESSON2+F:3::1.450:MTQ'P
CI++not_used_by_BAT+++::167'LIN+++35397991:IN'PIA+1+00003:PL'IMD+A+:::Diff.Konsolevorne,AUC6CE9020'RFF+ON:00650
05177:000060'RFF+CW:10441175'RFF+CW:10441176'LOC+11+0018'CTA+IC+:Herr_KOEHLER'COM+09431638122:TE'QTY+1:
2000'QTY+52:1200'QTY+101:600'SEQ+6....'SEQ+6...'UNT+47+1'UNZ+1+ JPT00006955683
```

3.9. EXAMPLE OF MESSAGE WITH MULTI PACKAGING LEVEL

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+MBXNOBENTELER+MBXNOSUPPLIER+970607:0735+ JPT00006955683++ PUS'	
UNH+1+DELJIT:D:97A:UN+PUS'	
BGM+242::PUS+0075049468+9**'**	BAT Pick Up Sheet identification
DTM+137:200604251330:203'	Document issue date/time
DTM+234:200604271000:203'	Pick up window at supplier - start
DTM+235:200604271000:203'	Pick up window at supplier - end
DTM+50:20060428:102'	goods receipt date at BAT
FTX+AAI+++TEXT'	Free text
RFF+AEM:Z001'	Routing number/Transport group
RFF+AJZ:FNFR'	Routing suffix/charging indicator
RFF+AAO: 0075049468'	Transportation number/PUS No
NAD+SU+0000405070::16++ MEFRO-METALLWARENFABRIK+ LUDWIG-THOMA-STR. 29+ ROHRDORF++83101'	
	Supplier
NAD+ST+0000449418::16++ TLS+ BELLSTRASSE 12+ SCHWANDORF++92421'	
	Consignee
NAD+BY+0018::16++BENTELERAutomobiletechnik GmbH+Bellstraße 12+SCHWARNDORF++92421'	
	Buyer
NAD+CA+0000449446::16++Fichtl Logistik OHG+Eichelberg 37+ Lappersdorf-Pielmuehle++ 93138'	
CTA+IC+:Herr Dreblow'	Consignee's contact person purchasing
COM+05254815675:TE'	Telephone number purchasing
SEQ+6'	Detail trigger segment 1
PAC+1+1+L 015155+F:3::2.320:MTQ'	Packing details part number 1 single
PAC+1+3+L EUROPALETTE+F:3::2.320:MTQ'	Packing details part number 1 master
PAC+1+4+L CAP'	sub Packing details
PCI++currently not used by BAT+++::167'	Label Shipping Marks
LIN+++ 33396732:IN'	Part number 1
PIA+1+00001:PL'	line item number of the Pickup Sheet
IMD+A+:::Lagerbock Teil 2 vorne links'	item description
RFF+ON:0065005177:000010'	purchase order number / PO item no
RFF+CW:10441173'	BAT Handling Unit No 1for part 1(single)
RFF+ACI:10441170'	BAT Handling Unit No for part 1(master)
LOC+11+0018'	port of discharge for part 1
CTA+IC+:Herr IRLBECK'	MRP controller (consignee)
COM+09431638121:TE'	Telephone number MRP controller
QTY+1:2000'	Quantity to be delivered for part 1
QTY+52:5000'	Quantity per pack for part 1
QTY+101:212'	Chargeable weight for part 1
SEQ+6'	Detail trigger segment 1
PAC+2+1+L HESSON 2+F:2:1.320:MTQ'	Packing details part number 2 (single)
PAC+1+3+L EUROPALETTE+F:2::1.320:MTQ'	Packing details part number 2 (master)
PAC+1+4+L CAP'	sub Packing details
PCI++currently not used by BAT+++::167'	Label Shipping Marks
LIN+++ 35397991:IN'	Part number 2
PIA+1+00003:PL'	line item number of the Pickup Sheet
IMD+A+:::Diff.-Konsole vorne, AUC6 C E9020'	item description
RFF+ON:0065005177:000060'	purchase order number / PO item no
RFF+CW: 10441175'	BAT Handling Unit No 1for part 2
RFF+CW: 10441176'	BAT Handling Unit No 2 for part 2

RFF+ACI:10441174’	BAT Handling Unit No for part 2(master)
LOC+11+0018’	port of discharge for part 2
CTA+IC+:Herr KOEHLER’	MRP controller (consignee) for part 2
COM+09431638122:TE’	Telephone number MRP controller
QTY+1:2000’	Quantity to be delivered for part 2
QTY+52:1200’	Quantity per pack for part 2
QTY+101:600’	Chargeable weight for part 2
SEQ+6’	Detail trigger segment 3
...	Details for part 3
SEQ+6’	Detail trigger segment n
...	Details for part *n*
UNT+47+1’	
UNZ+1+ JPT00006955683’	

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. On the next page is an example of how the same message will look when transmitted.

BENTELER

UNB+UNOA:2+MBXNOBENTELER+MBXNOSUPPLIER+970607:0735+JPT00006955683++ PUS'UNH+1+DELJIT:D:97A:UN+PU
S'BGM+242::PUS+0075049468+9'DTM+137:200604251330:203'DTM+234:200604271000:203'DTM+235:200604271000:203'DTM
+50:20060428:102''FTX+AAI+++TEXT'RFF+AEM:Z001'RFF+AJZ:FNFR'RFF+AAO:0075049468'NAD+SU+0000405070::16++MEF
RO_METALLWARENFABRIK+LUDWIG_THOMA_STR29+ROHRDORF++83101'NAD+ST+0000449418::16++TLS+BELLSTRASS
E_12+SCHWANDORF++92421'NAD+BY+0018::16++BENTELERAutomobiletechnik_GmbH+Bellstraße_12+SCHWARNDORF++9
2421'NAD+CA+0000449446::16++FichtlLogistikOHG+Eichelberg37+Lappersdorfielmuehle++93138'CTA+IC+:Herr_Dreblow'COM+
05254815675:TE'SEQ+6'PAC+1+1+L.015155+F:3::2.320:MTQ'PAC+1+3+LEUROPALETTE+F:3::2.320:MTQ'PAC+1+4+LCAP'PC
I++currently_not_used_by_BAT+++::167'LIN+++33396732:IN'PIA+1+00001:PL'IMD+A+:::LagerbockTeil2vornelinks'RFF+ON:0065
005177:000010'RFF+CW:10441173'RFF+ACI:10441170'LOC+11+0018'CTA+IC+:Herr_IRLBECK'COM+09431638121:TE'QTY+1:
2000'QTY+52:5000'QTY+101:212'SEQ+6'PAC+2+1+L_HESSON2+F:2::1.320:MTQ'PAC+1+3+LEUROPALETTE+F:2::1.320:MTQ'
PAC+1+4+LCAP'PCI++not_used_by_BAT+++::167'LIN+++35397991:IN'PIA+1+00003:PL'IMD+A+:::Diff.Konsolevorne,AUC6CE90
20'RFF+ON:0065005177:000060'RFF+CW:10441175'RFF+CW:10441176'RFF+ACI:10441174'LOC+11+0018'CTA+IC+:Herr_KOE
HLER'COM+09431638122:TE'QTY+1:2000'QTY+52:1200'QTY+101:600'SEQ+6....'SEQ+6...'UNT+47+1'UNZ+1+
JPT00006955683