



Delivery Forecast

EDIFACT DELFOR D97.A

Version 1.1

Document Change Log

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| 1.1 | 19-MAR-2009 | Add additional elements to the PIA segment - PD |
| | | Add Benteler Mexico Plant codes |
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1. INTRODUCTION

This specification provides the definition of the EDIFACT DELFOR D97.A Delivery schedule message (DELFOR). This guideline is specifically designed to outline the requirements for the Delivery Schedule used by Benteler Automotive NAO

2. MESSAGE DEFINITION

This document provides the definition of a Delivery Instruction Message, based on the EDIFACT DELFOR D97.A, to be used in Electronic Data Interchange (EDI) between a Benteler NAO Operating Company and its Trading Partners.

2.1. FUNCTIONAL DEFINITION

The Delivery Instruction message is a message from Benteler NAO to a Benteler Supplier giving details for both short and long term material requirements in line with the conditions set out in the purchase contract.

This message may only be used as planning forecast; shipping instruction will be provided in an additional call-off message.

2.2. PRINCIPLES

The Delivery Instruction message is intended to:

- Specify requirements based on the delivery conditions.
- Define the aspects that guarantee synchronization between Benteler and the Supplier.
- Provide information allowing the Supplier to plan for future requirements, to purchase raw materials.

2.3. REFERENCES

The content of this message is based on:

- the message structure as defined by EDIFACT for the Delivery Schedule Message DELFOR 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.
- although the DELINS subset defined by ODETTE has been based on the EDIFACT D96.A Directory which is not upward compatible with the D97.A Directory, the subset defined by Benteler Automotive 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 a Delivery Instruction Message in EDIFACT format is applicable for the interchange of delivery instructions issued by Benteler NAO for material deliveries to one or more Benteler NAO Operations.

3. MESSAGE DESCRIPTION

The following pages contain a full description of the EDIFACT DELFOR D97.A message as implemented by Benteler Automotive, NAO. The official EDIFACT segment description is complemented with remarks pertaining to the specific requirements for an interchange with Benteler Automotive, NAO. Those remarks contain specific code values used, additional information on the values shown in a specific field, etc. The aim of those remarks is to simplify the implementation of the message.

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:

- ❶ **0020 BGM - BEGINNING OF MESSAGE**
- ❷ Segment group: none. Level: 1.
- ❸ EDIFACT status: mandatory. Benteler status: mandatory.
- ❹ Maximum use: 1 per message. Benteler occurrences: 1 per message.
- ❺ Function: segment for the unique identification of the delivery schedule document, by means of its name and its number.
- ❻ Benteler interchange: see remarks.
- ❼ Example: **BGM+241+12+5'**
 A B C

| EDIFACT STANDARD DEFINITION | | | | | | Benteler IMPLEMENTATION | | |
|-----------------------------|------|-------------------------------------|----|--------|----|-------------------------|--------|---|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | C002 | DOCUMENT/MESSAGE NAME | C | | | C | | |
| | 1001 | Document/message name, coded | C | an..3 | : | M | an..3 | '241' = Delivery Schedule |
| | 1131 | Code list qualifier | C | an..3 | : | | | |
| | 3055 | Code list responsible agency, coded | C | an..3 | : | | | |
| | 1000 | Document/message name | C | an..35 | + | | | |
| B | C106 | DOCUMENT/MESSAGE IDENTIFICATION | C | | | | | |
| | 1004 | Document/message number | C | an..35 | : | M | an..35 | Benteler assigned release number |
| | 1056 | Version | C | an..9 | : | | | |
| | 1060 | Revision number | C | an..6 | + | | | |
| C | 1225 | MESSAGE FUNCTION, CODED | C | an..3 | + | C | an..3 | Function of the message. For code values see below. |
| | 4343 | RESPONSE TYPE, CODED | C | an..3 | ' | | | |

❷ **COMMENTS**

❷ **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 Benteler.
- ❹ number of occurrences of the segment: as defined by EDIFACT and as used by Benteler.
- ❺ 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 element 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 DELFOR D97.A Delivery Forecast message. Shaded areas identify the segments that are not used in the subset of DELFOR 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 | 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 | M | 99 |
| 0090 | NAD | Name and address | M | 1 |
| 0100 | | Segment group 3 | C | 10 |
| 0110 | RFF | Reference | M | 1 |
| 0120 | DTM | Date/time/period | C | 1 |

| POS. | TAG | NAME | ST | REPEATS |
|------|-----|--------------------------------|----------|-------------|
| 0130 | | Segment group 4 | C | 5 |
| 0140 | CTA | Contact information | M | 1 |
| 0150 | COM | Communication contact | C | 5 |
| 0160 | | Segment group 5 | C | 10 |
| 0170 | TDT | Details of transport | M | 1 |
| 0180 | DTM | Date/time/period | C | 5 |
| 0190 | | Segment group 6 | M | 9999 |
| 0200 | GIS | General Indicator | M | 1 |
| 0210 | | Segment group 7 | M | 1 |
| 0220 | NAD | Name and Address | M | 1 |
| 0230 | LOC | Place/location identification | C | 10 |
| 0240 | FTX | Free text | C | 5 |
| 0250 | | Segment group 8 | C | 10 |
| 0260 | RFF | Reference | M | 1 |
| 0270 | DTM | Date/time/period | C | 1 |
| 0280 | | Segment group 9 | C | 10 |
| 0290 | DOC | Document/message details | M | 1 |
| 0300 | DTM | Date/time/period | C | 10 |
| 0310 | | Segment group 10 | C | 5 |
| 0320 | CTA | Contact information | M | 1 |
| 0330 | COM | Communication contact | C | 5 |
| 0340 | | Segment group 11 | C | 10 |
| 0350 | TDT | Details of transport | M | 1 |
| 0360 | DTM | Date/time/period | C | 5 |
| 0370 | | Segment group 12 | M | 9999 |
| 0380 | LIN | Line item | M | 1 |
| 0390 | PIA | Additional product id | M | 10 |
| 0400 | IMD | Item description | C | 10 |
| 0410 | MEA | Measurements | C | 5 |
| 0420 | ALI | Additional information | C | 5 |
| 0430 | GIN | Goods identity number | C | 999 |
| 0440 | GIR | Related identification numbers | C | 999 |
| 0450 | LOC | Place/location identification | C | 999 |
| 0460 | DTM | Date/time/period | C | 5 |
| 0470 | FTX | Free text | C | 5 |
| 0480 | | Segment group 13 | M | 10 |
| 0490 | RFF | Reference | M | 1 |
| 0500 | DTM | Date/time/period | C | 1 |
| 0510 | | Segment group 14 | C | 10 |
| 0520 | TDT | Details of transport | M | 1 |
| 0530 | DTM | Date/time/period | C | 2 |
| 0540 | | Segment group 15 | C | 10 |
| 0550 | QTY | Quantity | M | 1 |
| 0560 | DTM | Date/time/period | C | 2 |
| 0570 | | Segment group 16 | C | 10 |
| 0580 | RFF | Reference | C | 1 |
| 0590 | DTM | Date/time/period | C | 1 |
| 0600 | | Segment group 17 | C | 999 |
| 0610 | SCC | Scheduling conditions | M | 1 |
| 0620 | | Segment group 18 | C | 999 |
| 0630 | QTY | Quantity | M | 1 |
| 0640 | DTM | Date/time/period | C | 2 |
| 0650 | | Segment group 19 | C | 10 |
| 0660 | RFF | Reference | M | 1 |
| 0670 | DTM | Date/time/period | C | 1 |

| POS. | TAG | NAME | ST | REPEATS |
|------|-----|-------------------------------|----------|------------|
| 0680 | | Segment group 20 | C | 99 |
| 0690 | PAC | Package | M | 1 |
| 0700 | MEA | Measurements | C | 10 |
| 0710 | QTY | Quantity | C | 5 |
| 0720 | DTM | Date/time/period | C | 5 |
| 0730 | | Segment group 21 | C | 10 |
| 0740 | PCI | Package identification | M | 1 |
| 0750 | GIN | Goods identity number | C | 10 |
| 0760 | | Segment group 22 | C | 999 |
| 0770 | NAD | Name and address | M | 1 |
| 0780 | LOC | Place/location identification | C | 10 |
| 0790 | FTX | Free text | C | 5 |
| 0800 | | Segment group 23 | C | 10 |
| 0810 | DOC | Document/message details | M | 1 |
| 0820 | DTM | Date/time/period | C | 1 |
| 0830 | | Segment group 24 | C | 5 |
| 0840 | CTA | Contact information | M | 1 |
| 0850 | COM | Communication contact | C | 5 |
| 0860 | | Segment group 25 | C | 10 |
| 0870 | QTY | Quantity | M | 1 |
| 0880 | DTM | Date/time/period | C | 2 |
| 0890 | | Segment group 26 | C | 10 |
| 0900 | RFF | Reference | M | 1 |
| 0910 | DTM | Date/time/period | C | 1 |
| 0920 | | Segment group 27 | M | 999 |
| 0930 | SCC | Scheduling conditions | M | 1 |
| 0940 | | Segment group 28 | M | 999 |
| 0950 | QTY | Quantity | M | 1 |
| 0960 | DTM | Date/time/period | C | 2 |
| 0970 | | Segment group 29 | C | 10 |
| 0980 | RFF | Reference | M | 1 |
| 0990 | DTM | Date/time/period | C | 1 |
| 1000 | | Segment group 30 | C | 10 |
| 1010 | TDT | Details of transport | M | 1 |
| 1020 | DTM | Date/time/period | C | 5 |
| 1030 | UNT | Message trailer | M | 1 |

3.3. MESSAGE STANDARD DESCRIPTION

This section provides the description of the UN Standard Message DELFOR as defined in the 97.A Directory. These segments are used in the subset defined by Benteler and will be further explained in section 3.6.

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 Delivery schedule message is DELFOR.
- 0020 BGM, Beginning of message**
A segment for unique identification of the Delivery schedule message by means of its name and its number and its function (original, replacement, change).
- 0030 DTM, Date/time/period**
The DTM segment shall be specified at least once to identify the Delivery schedule message date. This segment can be included to indicate the beginning and the end date of the schedule.
- 0080 Segment group 2: NAD-SG3-SG4**
A group of segments identifying parties by their names, addresses, locations, references and contacts relevant to the whole delivery schedule.
- 0090 NAD, Name and address**
A segment for identifying names and addresses and their functions relevant for the whole Delivery schedule. The principal parties for the Delivery schedule message shall be identified. The identification of the recipient of the goods must be given in the NAD segment in the detail section.

3.3.2 Detail section

Information to be provided in the Detail section:

- 0190 Segment group 6: GIS-SG7-SG12**
A group of segments providing details on delivery points and products and related information using one of both scheduling methods.
- 0200 GIS, General indicator**
A segment to indicate which method is used by the relevant processing indicator code.
- 0210 Segment group 7: NAD-LOC-FTX-SG8-SG9-SG10-SG11**
A group of segments needed to identify a delivery point and its attached information when the delivery point method is used.
- 0220 NAD, Name and address**
A segment for identifying the consignee.
- 0370 Segment group 12: LIN-PIA-IMD-MEA-ALI-GIN-GIR-LOC-DTM-FTX-SG13-SG14-SG15-SG17-SG20-SG22**
A group of segments providing details of the individual line items for both methods.
- 0380 LIN, Line item**
A segment identifying the details of the product or service to be delivered, e.g. product identification. All other segments in the detail section following the LIN segment refer to the line item.
- 0390 PIA, Additional product id**
A segment providing additional product identification.
- 0480 Segment group 13: RFF-DTM**
A group of segments giving references related to the line item and where necessary, their dates.
- 0490 RFF, Reference**
A segment for identifying references to the line item, e.g. a contract and its appropriate line item, original message number, previous message number if different per line item.
- 0540 Segment group 15: QTY-DTM-SG16**
A group of segments specifying product quantities and associated dates not related to schedules and where relevant, references.

- 0550 QTY, Quantity**
A segment to specify pertinent quantities not related to schedule(s) e.g. cumulative quantity, last quantity considered.
- 0560 DTM, Date/time/period**
A segment indicating the date/time/period details relating to the quantity.
- 0570 Segment group 16: RFF-DTM**
A group of segments giving references related to the quantity and where necessary, their dates.
- 0580 RFF, Reference**
A segment for identifying references to the quantity, e.g. dispatch advice number.
- 0590 DTM, Date/time/period**
Date/time/period of the reference.
- 0600 Segment group 17: SCC-SG18**
A group of segments specifying the schedule information for the product identified in the LIN segment. With the delivery point driven method this segment group provides the schedule for the identified delivery point and product.
- 0610 SCC, Scheduling conditions**
A segment specifying the status of the schedule. Optionally a delivery pattern can be established, e.g. firm or proposed delivery pattern.
- 0620 Segment group 18: QTY-DTM-SG19**
A group of segments specifying product quantities and associated dates.
- 0630 QTY, Quantity**
A segment to specify scheduled quantities which may be related to schedule(s) and, or pattern established in the following DTM segment, e.g. delivery quantity for a specified date.
- 0640 DTM, Date/time/period**
A segment indicating date/time/period details relating to the given quantity.
- 1030 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.

3.4. MESSAGE STRUCTURE

The message structure illustrates how the segments will be repeated in the Delivery Forecast message to accommodate the requirements identified by Benteler Automotive.

| | |
|--------------------------------|--|
| 0010.UNH | Start of Delivery Schedule Message |
| 0020.BGM | Message identification |
| 0030.DTM | Message generation date |
| 0090.NAD | Supplier Identification |
| 0200.GIS | Start of detail section |
| 0220.[GIS].NAD | Ship To destination identification |
| 0380.[GIS.NAD].LIN | Part number identification |
| 0390.[GIS.NAD.LIN].PIA | Customer part Engineering Change Level, Part Desc. |
| 0490-1.[GIS.NAD.LIN].RFF | Purchase Order number : Line Item Number |
| 0490-2.[GIS.NAD.LIN].RFF | Release number |
| 0550.[GIS.NAD.LIN].QTY | Cumulative quantity received |
| 0560.[GIS.NAD.LIN.QTY].DTM | Cumulative quantity date |
| 0550.[GIS.NAD.LIN].QTY | Quantity received as of the last ASN |
| 0580.[GIS.NAD.LIN.QTY].RFF | SID number of last ASN received |
| 0590.[GIS.NAD.LIN.QTY.RFF].DTM | Date material on last ASN received |
| 0610-1.[GIS.NAD.LIN].SCC | Schedule status |
| 0630.[GIS.NAD.LIN.SCC].QTY | Quantity to be delivered week 1 |
| 0640.[GIS.NAD.LIN.SCC.QTY].DTM | Date of planned delivery week 1 |
| 0630.[GIS.NAD.LIN.SCC].QTY | Quantity to be delivered week 2 |
| 0640.[GIS.NAD.LIN.SCC.QTY].DTM | Date of planned delivery week 2 |
| 0630.[GIS.NAD.LIN.SCC].QTY | Quantity to be delivered week n |
| 0640.[GIS.NAD.LIN.SCC.QTY].DTM | Date of planned delivery week n |
| 0610-2.[GIS.NAD.LIN].SCC | Authorization code |
| 0630.[GIS.NAD.LIN.SCC].QTY | Cumulative fabrication authorization |
| 0640-1.[NAD.LIN.SCC.QTY].DTM | Fabrication date |
| 0610-3.[GIS.NAD.LIN].SCC | Authorization code |
| 0630.[GIS.NAD.LIN.SCC].QTY | Cumulative material authorization |
| 0640-1.[NAD.LIN.SCC.QTY].DTM | Material date |
| 1030.UNT | End of 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+BENTUSA:ZZ+9876652901+051206:1011+101++BENTELERNAO'**
 A B C D E F G H

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|--|----|--------|----|-------------------------|--------|---|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | S001 | <i>SYNTAX IDENTIFIER</i> | M | | | M | | |
| | 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. Benteler uses EDIFACT syntax version 2. |
| | | | | | | | | |
| C | S002 | <i>INTERCHANGE SENDER</i> | M | | | M | | |
| | 0004 | Sender identification | M | an..35 | : | M | an..35 | 'BENTUSA' Benteler ID |
| | 0007 | Identification code qualifier | C | an..4 | : | M | An..4 | 'ZZ' |
| | 0008 | Address for Reverse Routing | C | an..14 | + | | | |
| D | S003 | <i>INTERCHANGE RECIPIENT</i> | M | | | M | | |
| | 0010 | Recipient identification | M | an..35 | : | M | an..35 | Communication code/of the party receiving the message. |
| | 0007 | Identification code qualifier | C | an..4 | : | M | An..4 | Qualifiers to be determined by trading partner relationship. |
| | 0014 | Routing address | C | an..14 | + | | | |
| E | S004 | <i>DATE / TIME OF PREPARATION</i> | M | | | M | | |
| | 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 | This number is UNIQUE |
| | S005 | <i>RECIPIENTS REFERENCE PASSWORD</i> | 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 | "BENTELERNAO". |
| | 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
 EDIFACT status: mandatory
 Maximum use: 1 per message
 Function: service segment starting and uniquely identifying a message. The message type code for the Delivery schedule message is DELFOR.

Level: 0
 Benteler status: mandatory.
 Benteler occurrences: 1 per message.

Benteler interchange: see remarks.

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

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER 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. |
| B | S009 | MESSAGE IDENTIFIER | M | | | M | | |
| C | 0065 | Message type | M | an..6 | : | M | an..6 | "DELFOR". |
| D | 0052 | Message version number | M | an..3 | : | M | an..3 | "D". |
| E | 0054 | Message release number | M | an..3 | : | M | an..3 | "97A". |
| | 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 | ' | | | |

1030 UNT - MESSAGE TRAILER

Segment group: none
 EDIFACT status: mandatory
 Maximum use: 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.

Level: 0
 Benteler status: mandatory
 Benteler occurrences: 1 per message

Benteler interchange: see remarks.

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

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER 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 |

1040 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.

Level: 0
 Benteler status: mandatory
 Benteler occurrences: 1 per interchange

Benteler interchange: see remarks.

Example: **UNZ+1+12'**
 A B

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

3.5. DATA SEGMENTS DESCRIPTION

This part includes only the segments defined in the standard and used in the subset exchanged between Benteler NAO and its Trading Partners. The segments are described in the same sequence as they appear in 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 the unique identification of the delivery schedule document, by means of its name and its number.

Benteler interchange: see remarks.

Example: **BGM+241::PS+00203520+9'**
 A B C D

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|--|----|--------|----|-------------------------|--------|---|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | C002 | <i>DOCUMENT/MESSAGE NAME</i> | C | | | C | | "241" = Delivery Schedule. This means that the quantities must be planned for shipment during the week indicated. Actual shipping authorization will be provided by a DELJIT message. |
| | 1001 | Document/message name, coded | C | an..3 | : | M | an..3 | |
| B | 1131 | Code list qualifier | C | an..3 | : | | | "PS" = Planned Shipment Based - no authorization to ship. |
| | 3055 | Code list responsible agency, coded | C | an..3 | : | | | |
| | 1000 | Document/message name | C | an..35 | + | C | an..35 | |
| C | C106 | <i>DOCUMENT/MESSAGE IDENTIFICATION</i> | C | | | | | Benteler assigned number. |
| | 1004 | Document/message number | C | an..35 | : | M | an..35 | |
| | 1056 | Version | C | an..9 | : | | | |
| D | 1060 | Revision number | C | an..6 | + | | | Function of the message. For code value, see below. |
| | 1225 | MESSAGE FUNCTION, CODED | C | an..3 | + | M | an..3 | |
| | 4343 | RESPONSE TYPE, CODED | C | an..3 | ' | | | |

CODE VALUES

1225 - Message Function, coded

- 9 Original only
 Benteler NAO does not support change or replace

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. 1 per message
 Function: segment specifying the date when the document was generated. The DTM must be specified at least once to identify the Delivery Schedule document date.

Benteler interchange: there will be only one occurrence of the DTM in position 0030: to specify the message issue date.

Example: **DTM+137:200512060611:203'** document generation

A B C

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|-----------------------------------|----|--------|----|-------------------------|--------|-------------------------------------|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| | 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 | Actual issue date of the document. |
| C | 2379 | Date/time/period format qualifier | C | an..3 | " | M | an..3 | "203" = CCYYMMDDHHMM |

Segment group 2: NAD-SG3-SG4

Segment group: 2 [SG2] Level: 1
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 99 per message at level 1 Benteler occurrences: max. 1 per message
 Function: group of segments identifying names, addresses, locations, and contacts relevant to the whole Delivery Schedule.
 Benteler interchange: see segment description.

0090 NAD - NAME AND ADDRESS

Segment group: 2 [NAD] Level: 1
 EDIFACT status: mandatory if segment group 2 is used Benteler status: mandatory
 Maximum use: 1 per segment group 2 (max. 99) Benteler occurrences: 1 per segment group 2
 Function: segment for identifying names and addresses and their functions relevant for the whole Delivery Schedule.
 Benteler interchange: Benteler will always transmit one occurrence in position 0090 as detailed below.

Example: **NAD+SU+084559798::16'** Supplier
 A B C

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

CODE VALUES

3039 - Party Id. Identification

The Supplier DUNS number unless otherwise specified

3055 - Code List Responsible Agency, coded

16 DUN & Bradstreet (DUNS) - (currently used by Benteler, 9 digits)
 92 Assigned by buyer

Segment group 6: GIS-SG7-SG12

Segment group: 6 [SG6] Level: 1
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 9999 per message Benteler occurrences: max. 9999 per message
 Function: group of segments providing details on delivery points and products and related information using one of both scheduling methods.
 Benteler interchange: see segment description.

0200 GIS - GENERAL INDICATOR

Segment group: 6 [GIS] Level: 1
 EDIFACT status: mandatory if segment group 6 is used Benteler status: mandatory
 Maximum use: 1 per segment group 6 Benteler occurrences: 1 per segment group 6
 Function: segment to indicate which method is used by the relevant processing indicator code.
 Benteler interchange: see remarks.
 Example: **GIS+37'**
 A

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|-------------------------------------|----|--------|----|-------------------------|-------|----------------------------|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | C529 | PROCESSING INDICATOR | M | | | M | | For code value, see below. |
| | 7365 | Processing indicator, coded | M | an..3 | : | M | an..3 | |
| | 1131 | Code list qualifier | C | an..3 | : | | | |
| | 3055 | Code list responsible agency, coded | C | an..3 | : | | | |
| | 7187 | Process type identification | C | an..17 | ' | | | |

CODE VALUES

7365 - Processing indicator, coded

37 Complete information

Segment group 7: NAD-LOC-FTX-SG8-SG9-SG10-SG11

Segment group: 7 [GIS.SG7] Level: 2
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 1 per segment group 6 Benteler occurrences: 1 per segment group 6
 Function: group of segments needed to identify a delivery point and its attached information when the delivery point method is used
 Benteler interchange: see segment description.

0220 NAD - NAME AND ADDRESS

Segment group: 7 [GIS.NAD] Level: 2
 EDIFACT status: mandatory if segment group 7 is used Benteler status: mandatory
 Maximum use: 1 per segment group 7 Benteler occurrences: 1 per segment group 7
 Function: segment for identifying names and addresses and their functions relevant to the delivery point. All other segments in this segment group 7 following the NAD segment refer to that delivery point.
 Benteler interchange: see remarks.

Example: **NAD+ST+0449::92++Opelika, Alabama Plant+4401 North Park Drive+Opelika+AL+26801+US'**
 A B C D E F G H I

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|-------------------------------------|----|--------|----|-------------------------|--------|---|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | 3035 | PARTY QUALIFIER | M | an..3 | + | M | an..3 | "ST" = Ship To. |
| B | C082 | PARTY IDENTIFICATION DETAILS | C | | | M | | |
| | 3039 | Party id. Identification | M | an..35 | : | M | an..35 | Code identifying the plant where the material must be delivered. For code values see below. |
| C | 1131 | Code list qualifier | C | an..3 | : | | | |
| | 3055 | Code list responsible agency, coded | C | an..3 | + | M | an..3 | For code values see below. |
| D | 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 | + | | | |
| E | C080 | PARTY NAME | C | | | M | | |
| | 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 | + | | | |
| F | C059 | STREET | C | | | M | | |
| | 3042 | Street and number/p.o. box | M | an..35 | : | M | an..25 | Address |
| | 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 | + | | | |
| G | 3164 | CITY NAME | C | an..35 | + | M | an..35 | City Name |
| H | 3229 | COUNTRY SUB-ENTITY IDENTIFICATION | C | an..9 | + | M | an..9 | |
| I | 3251 | POSTCODE IDENTIFICATION | C | an..9 | + | M | an..9 | Postal Code, Zip code... |
| | 3207 | COUNTRY, CODED | C | an..3 | " | M | an..3 | Country Code |

CODE VALUES

3039 - Party Id. Identification

- 0442 - Hall Street
- 0443 - Hagen Drive
- 0444 - Opelika
- 0445 - Kalamazoo
- 0446 - Goshen
- 0449 - Opelika
- 0452 - Spartanburg
- 0470 - Windsor
- 0471 - Brampton
- 0585 - Hermosillo
- 0586 - Puebla
- 0587 - Saltillo

3055 - Code List Responsible Agency, coded

92 Assigned by buyer

Segment group 12: LIN-PIA-IMD-MEA-ALI-GIN-GIR-LOC-DTM-FTX-SG13-SG14-SG15-SG17-SG20-SG22

Segment group: 12 [GIS.SG12] Level: 2
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 9999 per GIS in segment group 06 Benteler occurrences: max. 9999 per SG6
 Function: group of segments providing details of the individual line items for the specified delivery point.
 Benteler interchange: see segment description.

0380 LIN - LINE ITEM

Segment group: 12 [GIS.LIN] Level: 2
 EDIFACT status: mandatory if segment group 12 is used Benteler status: mandatory
 Maximum use: 1 per segment group 12 (max. 9999 per GIS) Benteler occurrences: 1 per segment group 12
 Function: segment identifying the details of the product or service to be delivered, e.g. product identification. All other segments in the detail section following the LIN segment refer to the line item.
 Benteler interchange: see remarks.

Example: **LIN+++123456B-01:IN'**
 A B

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|--|----|--------|----|-------------------------|--------|--------------------------------|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| | 1082 | LINE ITEM NUMBER | C | n..6 | + | | | |
| | 1229 | ACTION REQUEST/ NOTIFICATION, CODED | C | an..3 | + | | | |
| A | C212 | ITEM NUMBER IDENTIFICATION | C | | | M | | |
| | 7140 | Item number | C | an..35 | : | M | an..35 | Benteler assigned 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 | an..6 | + | | | |
| | 1222 | CONFIGURATION LEVEL | C | n..2 | + | | | |
| | 7083 | CONFIGURATION, CODED | C | an..3 | ' | | | |

0390 PIA - ADDITIONAL PRODUCT ID

Segment group: 12 [GIS.LIN.PIA] Level: 3
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 10 per LIN in segment group 12 Benteler occurrences: 1 per segment group 12
 Function: segment providing additional product identification.
 Benteler interchange: see remarks.

Example: **PIA+1+A:EC+60758-AD GM-15874928:PD'** Change Level
PIA+1+--:EC +60758-AD GM-15874928:PD' No Change Level
PIA+1+A:EC` Change Level, No additional description
 A B C D E

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER 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 | Change Level. Identification |
| C | 7143 | Item number type, coded | C | an..3 | : | M | an..3 | 'EC'= Engineering Change Level. |
| | 1131 | Code list qualifier | C | an..3 | : | | | |
| | 3055 | Code list responsible agency, coded | C | an..3 | + | | | |
| | C212 | ITEM NUMBER IDENTIFICATION | C | | | | | |
| D | 7140 | Item number | C | an..35 | : | O | an..22 | Part number Description |
| E | 7143 | Item number type, coded | C | an..3 | : | O | an..3 | 'PD' = Additionl part description |
| | 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 | + | | | |

Comments

7140 – Item Number – ‘EC’

Benteler will send a – if a change level has not yet been assigned for a part

Segment group 13: RFF-DTM

Segment group: 13 [GIS.LIN.SG13] Level: 3
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 10 per LIN in segment group 12 Benteler occurrences: 2 per segment group 12
 Function: group of segments giving references related to the line item and where necessary, their dates.
 Benteler interchange: see segment description.

0490 RFF - REFERENCE

Segment group: 13 [GIS.LIN.RFF] Level: 3
 EDIFACT status: mandatory if segment group 13 is used Benteler status: mandatory
 Maximum use: 1 per segment group 13 (max. 10) Benteler occurrences: 1 per segment group 13
 Function: segment for identifying documents relating to the line item, e.g. a contract and its appropriate line item.
 Benteler interchange: see remarks.

Example: **RFF+ON:5500001950:20'**
 A B C

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|--------------------------|----|--------|----|-------------------------|--------|--|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| | C506 | REFERENCE | M | | | M | | |
| A | 1153 | Reference qualifier | M | an..3 | : | M | an..3 | "ON" = Order number. |
| B | 1154 | Reference number | C | an..35 | : | M | an..35 | The Purchase Order number relevant for the article defined in the preceding LIN. |
| C | 1156 | Line number | C | an..6 | : | M | An..5 | Purchase Order line item Number |
| | 4000 | Reference version number | C | an..35 | ' | | | |

0490 RFF - REFERENCE

Segment group: 13 [GIS.LIN.RFF] Level: 3
 EDIFACT status: mandatory if segment group 13 is used Benteler status: mandatory
 Maximum use: 1 per segment group 13 (max. 10) Benteler occurrences: 1 per segment group 13
 Function: segment for identifying documents relating to the line item, e.g. a contract and its appropriate line item.
 Benteler interchange: see remarks.

Example: **RFF+AAN:23'**
 A B

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|---------------------|----|--------|----|-------------------------|--------|--|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| | C506 | REFERENCE | M | | | M | | |
| 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 relevant to the article defined in the preceding LIN. |

Use of segment groups 15 and 17 in message from Benteler

Segment groups 15 and 17 are used to provide 4 different kinds of quantity information, i.e.:

CALCULATION INFORMATION

| | | |
|-----------------------------------|-----------------------|------|
| Cumulative quantity received | [qualifier 6063 = 70] | SG15 |
| Quantity received on the last ASN | [qualifier 6063 = 48] | SG15 |

REQUIREMENTS INFORMATION

| | | |
|--------------------------|----------------------|------|
| Quantity to be delivered | [qualifier 6063 = 1] | SG17 |
|--------------------------|----------------------|------|

AUTHORIZATION INFORMATION

| | | |
|--------------------------------------|----------------------|------|
| Cumulative fabrication authorization | [qualifier 6063 = 2] | SG17 |
| Cumulative material authorization | [qualifier 6063 = 3] | SG17 |

Each use of segment group 15 and 17 is described separately in the following pages.

CALCULATION INFORMATION

Segment group 15: QTY-DTM-SG16

Segment group: 15 [GIS.LIN.SG15] Level: 3
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 10 per LIN in segment group 12 Benteler occurrences: max.10 per segment group 12
 Function: group of segments specifying product quantities and associated dates not related to schedules and where relevant references.
 Benteler interchange: see description of different occurrences of segment group 15.

SEGMENT GROUP 15 CUMULATIVE QUANTITY RECEIVED

| | |
|---|---|
| 0550 [GIS.LIN].QTY 0560 [GIS.LIN.QTY].DTM | Cumulative quantity received Cumulative calculation start date |
|---|---|

0550 QTY - QUANTITY

Segment group: 15 [GIS.LIN.QTY] Level: 3
 EDIFACT status: mandatory when segment group 15 is used Benteler status: mandatory
 Maximum use: 1 per segment group 15 (max. 10) Benteler occurrences: 1 per segment group 15
 Function: segment to specify pertinent quantities not related to schedule(s), e.g. cumulative quantity, last quantity considered.
 Benteler interchange: see description of different occurrences of segment group 15.
 Example: **QTY+70:99999:C62'**
 A B C

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|------------------------|----|-------|----|-------------------------|-------|--|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| | C186 | QUANTITY DETAILS | M | | | M | | |
| A | 6063 | Quantile qualifier | M | An..3 | : | M | an..3 | "70" = Cumulative quantity received. |
| B | 6060 | Quantity | M | n..15 | : | M | n..15 | Cumulative quantity received |
| C | 6411 | Measure unit qualifier | C | An..3 | ' | M | an..3 | For code value see UN/ECE Recommendation No. 20. |

0560 DTM - DATE/TIME/PERIOD

Segment group: 15 [GIS.LIN.QTY.DTM] Level: 4
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 2 per QTY Benteler occurrences: 1 per segment group 15
 Function: segment providing the date/time/period of the reference.
 Benteler interchange: see remarks.
 Example: **DTM+51:20050101:102'** Start date
 A B C

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|-----------------------------------|----|--------|----|-------------------------|--------|--|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| | C507 | DATE/TIME/PERIOD | M | | | M | | |
| A | 2005 | Date/time/period qualifier | M | An..3 | : | M | an..3 | "51" = Cumulative quantity date. |
| B | 2380 | Date/time/period | C | An..35 | : | M | an..35 | Date of cumulative quantity calculation. |
| C | 2379 | Date/time/period format qualifier | C | An..3 | ' | M | an..3 | "102" = CCYYMMDD. |

SEGMENT GROUP 15 **REFERENCE INFORMATION**

| | |
|---|--|
| 0550 .[GIS.LIN]. QTY | Quantity of the referenced message |
| 0570 .[GIS.LIN.QTY.SG16]. RFF | Identifying number of referenced message |
| 0580 .[GIS.LIN.QTY.SG16]. DTM | Date of last referenced message |

0550 QTY - QUANTITY

Description: See quantity information 1
 Example:

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|-------------------------|----|-------|----|-------------------------|-------|---|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| | C186 | <i>QUANTITY DETAILS</i> | M | | | M | | |
| A | 6063 | Quantile qualifier | M | An..3 | : | M | an..3 | "48" = Last received quantity. Quantity received as of the SID in the following RFF segment. For code value see UN/ECE Recommendation No. 20. |
| B | 6060 | Quantity | M | n..15 | : | M | n..15 | |
| C | 6411 | Measure unit qualifier | C | An..3 | ' | M | an..3 | |

Segment group 16: RFF-DTM

Segment group: 16 [GIS.LIN.QTY.SG16] Level: 4
 EDIFACT status: conditional Benteler status: conditional
 Maximum use: 10 per QTY in segment group 15 Benteler occurrences: 1 per segment group 16
 Function: group of segments giving references related to the quantity and where necessary, their dates.
 Benteler interchange: see segment description.

0580 RFF - REFERENCE

Segment group: 16 [GIS.LIN.QTY.RFF] Level: 4
 EDIFACT status: mandatory if segment group 16 is used Benteler status: conditional
 Maximum use: 1 per segment group 16 (max. 10) Benteler occurrences: 1 per segment group 16
 Function: segment for identifying reference to the quantity, e.g. despatch advice number.
 Benteler interchange: see segment group description.

Example: **RFF+SI:9634'**
 A B

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|---------------------|----|--------|----|-------------------------|--------|--|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| | C506 | <i>REFERENCE</i> | M | | | M | | |
| A | 1153 | Reference qualifier | M | An..3 | : | M | an..3 | "SI" = Shipper Identification number. Shipper Identification Number of the last shipment received |
| B | 1154 | Reference number | C | An..35 | : | M | an..35 | |

0590 DTM - DATE/TIME/PERIOD

Segment group: 16 [GIS.LIN.QTY.RFF.DTM] Level: 5
 EDIFACT status: conditional Benteler status: conditional
 Maximum use: 1 per RFF Benteler occurrences: 1 per RFF
 Function: segment providing the date/time/period of the reference.
 Benteler interchange: see segment group description.

Example: **DTM+50:20051212:102'** Start date
 A B C

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|-----------------------------------|----|--------|----|-------------------------|--------|---------------------------------|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| | C507 | DATE/TIME/PERIOD | M | | | M | | |
| A | 2005 | Date/time/period qualifier | M | an..3 | : | M | an..3 | "50" Goods receipt date |
| B | 2380 | Date/time/period | C | an..35 | : | M | an..35 | Date that material was received |
| C | 2379 | Date/time/period format qualifier | C | an..3 | ' | M | an..3 | "102" = CCYYMMDD. |

REQUIREMENT INFORMATION

Segment group 17: SCC-SG18

| | |
|---|---|
| Segment group: 17 [GIS.LIN.SG17] | Level: 3 |
| EDIFACT status: conditional | Benteler status: mandatory |
| Maximum use: 999 per LIN in segment group 12 | Benteler occurrences: max. 999 per SG12 |
| Function: group of segments specifying the schedule information for the product identified in the LIN segment. This segment group provides the schedule for the identified delivery point and product. | |
| Benteler interchange: see description of different occurrences of segment group 17. | |

SEGMENT GROUP 17 QUANTITY TO BE DELIVERED

| | |
|----------------------------|--|
| 0610.[GIS.LIN].SCC | Schedule status & delivery frequency Quantity to be delivered Delivery date/time |
| 0630.[GIS.LIN.SCC].QTY | |
| 0640.[GIS.LIN.SCC.QTY].DTM | |

0610 SCC - SCHEDULING CONDITIONS

| | |
|--|--|
| Segment group: 17 [GIS.LIN.SCC] | Level: 3 |
| EDIFACT status: mandatory if segment group 17 is used | Benteler status: mandatory |
| Maximum use: 1 per segment group 17 | Benteler occurrences: 1 per segment group 17 |
| Function: segment specifying the status of the schedule. Optionally a delivery pattern can be established, e.g. firm or proposed delivery pattern. | |
| Benteler interchange: see remarks. | |

Example: **SCC+4++W'** Weekly quantities
A B

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|---------------------------------------|----|-------|----|-------------------------|-------|---|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | 4017 | DELIVERY PLAN STATUS INDICATOR, CODED | M | an..3 | + | M | an..3 | Code value qualifying the quantity defined in the following QTY. For code value, see below. |
| | 4493 | DELIVERY REQUIREMENTS, CODED | C | an..3 | + | | | |
| B | C329 | <i>PATTERN DESCRIPTION</i> | C | | | M | | Definition of the time unit for the quantity defined in the preceding QTY. For code value, see below. |
| | 2013 | Frequency, coded | C | an..3 | : | M | an..3 | |
| | 2015 | Despatch pattern, coded | C | an..3 | : | | | |
| | 2017 | Despatch pattern timing, coded | C | an..3 | : | | | |

CODE VALUES

4017 - Delivery Plan Status Indicator, coded

4 Planning quantity

2013 - Frequency, coded

W Weekly

Segment group 18: QTY-DTM-SG19

Segment group: 18 [GIS.LIN.SCC.SG17] Level: 4
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 999 per SCC in segment group 17 Benteler occurrences: max. 999 per SG17
 Function: group of segments specifying product quantities and associated dates.
 Benteler interchange: see description of different occurrences of segment group 17.

0630 QTY - QUANTITY

Segment group: 18 [GIS.LIN.SCC.QTY] Level: 4
 EDIFACT status: mandatory if segment group 18 is used Benteler status: mandatory
 Maximum use: 1 per segment group 18 (max. 999 per SCC) Benteler occurrences: 1 per segment group 18
 Function: segment to specify scheduled quantities which may be related to schedule(s) and, or pattern established in the following DTM segment, e.g. delivery quantity for a specified date.
 Benteler interchange: see remarks.
 Example: **QTY+1:9999:C62'**
 A B C

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER 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. Forecasted quantity for the time period defined by the preceding SCC. For code value see UN/ECE Recommendation No. 20. |
| B | 6060 | Quantity | M | n..15 | : | M | n..15 | |
| C | 6411 | Measure unit qualifier | C | an..3 | ' | M | an..3 | |

0640 DTM - DATE/TIME/PERIOD

Segment group: 18 [GIS.LIN.SCC.QTY.DTM] Level: 5
 EDIFACT status: conditional Benteler status: mandatory
 Maximum use: 1 per QTY in segment group 18 Benteler occurrences: 1 per segment group 18
 Function: segment indicating date/time/period details relating to the given quantity.
 Benteler interchange: see remarks.
 Example: **DTM+10:20051216:102** Ship Date
 A B C

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|-----------------------------------|----|--------|----|-------------------------|--------|---|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| | C507 | DATE/TIME/PERIOD | M | | | M | | |
| A | 2005 | Date/time/period qualifier | M | an..3 | : | M | an..3 | "10" = Ship date . Monday of the week/period associated with the quantity defined in the preceding QTY. "102" = CCYYMMDD. |
| B | 2380 | Date/time/period | C | an..35 | : | M | an..35 | |
| C | 2379 | Date/time/period format qualifier | C | an..3 | ' | M | an..3 | |

AUTHORIZATION INFORMATION

SEGMENT GROUP 17
CUMULATIVE FABRICATION AUTHORIZATION

| | |
|--|---|
| 0610 .[GIS.LIN]. SCC | Cumulative fabrication authorization quantity Authorization code Cumulative calculation period start date |
| 0630 .[GIS.LIN.SCC]. QTY | |
| 0640 .[GIS.LIN.SCC.QTY]. DTM | |

0610 SCC - SCHEDULING CONDITIONS

Description: see quantity information 1.

Example: **SCC+2'**
A

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|---------------------------------------|----|-------|----|-------------------------|-------|--|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | 4017 | DELIVERY PLAN STATUS INDICATOR, CODED | M | an..3 | + | M | an..3 | "2" = Commitment for manufacturing and material. (Fabrication Authorization) |
| REST OF SEGMENT NOT USED. | | | | | | | | |

0630 QTY - QUANTITY

Description: see quantity information 1.

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

| EDIFACT STANDARD DEFINITION | | | | | | Benteler IMPLEMENTATION | | |
|-----------------------------|------|------------------------|----|-------|----|-------------------------|-------|---|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | C186 | QUANTITY DETAILS | M | | | M | | "3" = Cumulative quantity. Cumulative fabrication authorization quantity for the period defined in the following DTM For code value see UN/ECE Recommendation No. 20. |
| B | 6063 | Quantity qualifier | M | an..3 | : | M | an..3 | |
| B | 6060 | Quantity | M | n..15 | : | M | n..15 | |
| C | 6411 | Measure unit qualifier | C | an..3 | ' | C | an..3 | |

0640 DTM - DATE/TIME/PERIOD

Description: see quantity information 1.

Example: **DTM+51:20051212:102'** Start date
A B C

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|-----------------------------------|----|--------|----|-------------------------|--------|---|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | C507 | DATE/TIME/PERIOD | M | | | M | | "51" = Cumulative quantity date. Date of cumulative quantity calculation. "102" = CCYYMMDD. |
| B | 2005 | Date/time/period qualifier | M | an..3 | : | M | an..3 | |
| B | 2380 | Date/time/period | C | an..35 | : | M | an..35 | |
| C | 2379 | Date/time/period format qualifier | C | an..3 | ' | M | an..3 | |

SEGMENT GROUP 17
CUMULATIVE MATERIAL AUTHORIZATION

| | |
|--|--|
| 0610 .[GIS.LIN]. SCC | Authorization code |
| 0630 .[GIS.LIN.SCC]. QTY | Cumulative material authorization quantity |
| 0640 .[GIS.LIN.SCC.QTY]. DTM | Cumulative calculation period start date |

0610 SCC - SCHEDULING CONDITIONS

Description: see quantity information 1.

Example: **SCC+3'**
A

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|---------------------------------------|----|-------|----|-------------------------|-------|---|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | 4017 | DELIVERY PLAN STATUS INDICATOR, CODED | M | an..3 | + | M | an..3 | "3" = Commitment for material. (Material Authorization) |
| REST OF SEGMENT NOT USED. | | | | | | | | |

0630 QTY - QUANTITY

Description: see quantity information 1.

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

| EDIFACT STANDARD DEFINITION | | | | | | Benteler IMPLEMENTATION | | |
|-----------------------------|------|------------------------|----|-------|----|-------------------------|-------|--|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | C186 | QUANTITY DETAILS | M | | | M | | |
| B | 6063 | Quantity qualifier | M | an..3 | : | M | an..3 | "3" = Cumulative quantity. |
| B | 6060 | Quantity | M | n..15 | : | M | n..15 | Cumulative material authorization quantity for the period defined in the following DTM |
| C | 6411 | Measure unit qualifier | C | an..3 | ' | M | an..3 | For code value see UN/ECE Recommendation No. 20. |

0640 DTM - DATE/TIME/PERIOD

Description: see quantity information 1.

Example: **DTM+51:20051212:102'** Start date

| EDIFACT STANDARD DEFINITION | | | | | | BENTELER IMPLEMENTATION | | |
|-----------------------------|------|-----------------------------------|----|--------|----|-------------------------|--------|--|
| REF | TAG | NAME | ST | FT | SP | ST | FT | REMARKS |
| A | C507 | DATE/TIME/PERIOD | M | | | M | | |
| A | 2005 | Date/time/period qualifier | M | an..3 | : | M | an..3 | "51" = Cumulative quantity date. |
| B | 2380 | Date/time/period | C | an..35 | : | M | an..35 | Date of cumulative quantity calculation. |
| C | 2379 | Date/time/period format qualifier | C | an..3 | ' | M | an..3 | "102" = CCYYMMDD. |

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+112836044:01+003456098:01+20051212:1001+12++BENTELERNAO' | |
| UNH+1+DELFOR:D:97A:UN' | |
| BGM+241::PS+002112512+9' | |
| DTM+137:200512120608:203' | <i>Document issue date</i> |
| NAD+SU+084559798::16' | <i>Supplier ID</i> |
| GIS+37' | |
| NAD+ST+0449::92++ Opelika+4401 Park Street+Opelika+AL+36801+US' | <i>Ship To</i> |
| LIN+++35674:IN' | <i>Buyers part number</i> |
| PIA+1+B:EC+60758-AD GM-15874928:PD' | <i>Engineering change level; Part Description</i> |
| RFF+ON:5500007652:10' | <i>Purchase Order and Line item number</i> |
| RFF+AAN:21' | <i>Release number</i> |
| QTY+70:99999:C62' | <i>Cum. quantity received</i> |
| DTM+51:20051212:102' | <i>Cum quantity date</i> |
| QTY+48:99999:C62' | <i>Last received quantity</i> |
| RFF+SI:9634' | <i>Last ASN/Shipper ID received</i> |
| DTM+50:20051212:102' | <i>Date that material was received</i> |
| SCC+4++W' | <i>Quantity to be delivered (weekly quantity)</i> |
| QTY+1:9999:C62' | <i>Quantity for week 1</i> |
| DTM+10:20051219:102' | <i>Week 1 identification</i> |
| QTY+1:9999:C62' | <i>Quantity for week 2</i> |
| DTM+10:20051226:102' | <i>Week 2 identification</i> |
| QTY ... | <i>Quantity for week n</i> |
| DTM... | <i>Week n identification</i> |
| SCC+2' | <i>Fabrication authorization</i> |
| QTY+3:99999:C62' | <i>Authorization quantity</i> |
| DTM+51:20051231:102' | <i>Authorization date</i> |
| SCC+3' | <i>Material authorization</i> |
| QTY+3:99999:C62' | <i>Authorization quantity</i> |
| DTM+51:200501231:102' | <i>Authorization date</i> |
| UNT+30+1' | |
| UNZ+1+12' | |

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.