

Rexroth
Bosch Group

EDI GUIDE

DELFOR D99B



Who should read this document?

This document is for EDI-administrators who will implement this EDI-guide to be able to send EDIFACT schedule agreement to Bosch Rexroth AG.

Explanation of usage:

First of all, the usage of each segment has to be considered, so if a segment is mandatory (M), it has to appear in the data file.

It might happen, that a segment itself is optional (O), but the elements within the segment are declared as mandatory. This means, it is not required that the segment is included, but as soon as the segment is in data file, the mandatory fields must be filled.

The same procedure has to be applied to segment groups and segments: A segment group can be optional, while the contained segments are mandatory. In this case all mandatory segments of a segment group has to appear in the data file, if you decide to use this segment group.

In case that in a segment description is listed more than one segment group, you have to read them from bottom to top. The first segment group is that group which contains the segment. The next segment group above is the segment group which contains the previous segment group.

The request of certain segment groups, segments or fields may differ from the description of DELFOR D99B like it is distributed from the UNECE. We have changed the request of some elements from optional to mandatory as they are important for our processes.

| Segment | Content | M/O | Length | Group6 | Group5 | Group4 | Group3 | Group2 | Group1 |
|---------|-------------------------------|-----|--------|--------|--------|--------|--------|--------|--------|
| UNH | Message header | M | 1 | | | | | | |
| BGM | Beginning of message | M | 1 | | | | | | |
| DTM | Date/time/period | M | 10 | | | | | | |
| FTX | Free text | O | 5 | | | | | | |
| | Segment group 1 | O | 10 | | | | | | 1 |
| RFF | Reference | M | 1 | | | | | | 1 |
| DTM | Date/time/period | O | 1 | | | | | | 1 |
| | Segment group 2 | O | 99 | | | | | | 2 |
| NAD | Name and address | M | 1 | | | | | | 2 |
| | | | | | | | | | 2 |
| | Segment group 3 | O | 10 | | | | | 3 | 2 |
| RFF | Reference | M | 1 | | | | | 3 | 2 |
| DTM | Date/time/period | O | 1 | | | | | 3 | 2 |
| | | | | | | | | | 2 |
| | Segment group 4 | O | 5 | | | | | 4 | 2 |
| CTA | Contact information | M | 1 | | | | | 4 | 2 |
| COM | Communication contact | O | 5 | | | | | 4 | 2 |
| | Segment group 5 | O | 10 | | | | | | 5 |
| TDT | Details of transport | M | 1 | | | | | | 5 |
| DTM | Date/time/period | O | 5 | | | | | | 5 |
| | Segment group 6 | O | 9999 | | | | | | 6 |
| GIS | General indicator | M | 1 | | | | | | 6 |
| | | | | | | | | | 6 |
| | Segment group 7 | O | 1 | | | | | 7 | 6 |
| NAD | Name and address | M | 1 | | | | | 7 | 6 |
| LOC | Place/location identification | O | 10 | | | | | 7 | 6 |
| FTX | Free text | O | 5 | | | | | 7 | 6 |
| | | | | | | | | 7 | 6 |
| | Segment group 8 | O | 10 | | | | 8 | 7 | 6 |
| RFF | Reference | M | 1 | | | | 8 | 7 | 6 |
| DTM | Date/time/period | O | 1 | | | | 8 | 7 | 6 |
| | | | | | | | | 7 | 6 |
| | Segment group 9 | O | 10 | | | | 9 | 7 | 6 |
| DOC | Document/message details | M | 1 | | | | 9 | 7 | 6 |
| DTM | Date/time/period | O | 10 | | | | 9 | 7 | 6 |
| | | | | | | | | 7 | 6 |
| | Segment group 10 | O | 5 | | | | 10 | 7 | 6 |
| CTA | Contact information | M | 1 | | | | 10 | 7 | 6 |
| COM | Communication contact | O | 5 | | | | 10 | 7 | 6 |
| | | | | | | | | 7 | 6 |
| | Segment group 11 | O | 10 | | | | 11 | 7 | 6 |
| TDT | Details of transport | M | 1 | | | | 11 | 7 | 6 |
| DTM | Date/time/period | O | 5 | | | | 11 | 7 | 6 |
| | | | | | | | | 7 | 6 |
| | Segment group 12 | O | 9999 | | | | | 12 | 6 |

| | | | | | | | | |
|-----|--------------------------------|---|-----|----|----|----|----|---|
| LIN | Line item | M | 1 | | | 12 | 6 | |
| PIA | Additional product id | O | 10 | | | 12 | 6 | |
| IMD | Item description | O | 10 | | | 12 | 6 | |
| MEA | Measurements | O | 5 | | | 12 | 6 | |
| ALI | Additional information | O | 5 | | | 12 | 6 | |
| GIN | Goods identity number | O | 999 | | | 12 | 6 | |
| GIR | Related identification numbers | O | 999 | | | 12 | 6 | |
| LOC | Place/location identification | O | 999 | | | 12 | 6 | |
| DTM | Date/time/period | O | 5 | | | 12 | 6 | |
| FTX | Free text | O | 5 | | | 12 | 6 | |
| | Segment group 13 | O | 10 | | 13 | 12 | 6 | |
| RFF | Reference | M | 1 | | 13 | 12 | 6 | |
| DTM | Date/time/period | O | 1 | | 13 | 12 | 6 | |
| | Segment group 14 | O | 10 | | 14 | 12 | 6 | |
| TDT | Details of transport | M | 1 | | 14 | 12 | 6 | |
| TMD | Transport movement details | O | 1 | | 14 | 12 | 6 | |
| DTM | Date/time/period | O | 5 | | 14 | 12 | 6 | |
| | Segment group 15 | O | 99 | | 15 | 12 | 6 | |
| QTY | Quantity | M | 1 | | 15 | 12 | 6 | |
| DTM | Date/time/period | O | 2 | | 15 | 12 | 6 | |
| | Segment group 16 | O | 10 | 16 | 15 | 12 | 6 | |
| RFF | Reference | M | 1 | 16 | 15 | 12 | 6 | |
| DTM | Date/time/period | O | 1 | 16 | 15 | 12 | 6 | |
| | Segment group 17 | O | 999 | | 17 | 12 | 6 | |
| SCC | Scheduling conditions | M | 1 | | 17 | 12 | 6 | |
| | Segment group 18 | O | 999 | 18 | 17 | 12 | 6 | |
| QTY | Quantity | M | 1 | 18 | 17 | 12 | 6 | |
| DTM | Date/time/period | O | 2 | 18 | 17 | 12 | 6 | |
| | Segment group 19 | O | 10 | 19 | 18 | 17 | 12 | 6 |
| RFF | Reference | M | 1 | 19 | 18 | 17 | 12 | 6 |
| DTM | Date/time/period | O | 1 | 19 | 18 | 17 | 12 | 6 |
| | Segment group 20 | O | 99 | | 20 | 12 | 6 | |
| PAC | Package | M | 1 | | 20 | 12 | 6 | |
| MEA | Measurements | O | 10 | | 20 | 12 | 6 | |
| QTY | Quantity | O | 5 | | 20 | 12 | 6 | |
| DTM | Date/time/period | O | 5 | | 20 | 12 | 6 | |
| | Segment group 21 | O | 10 | 21 | 20 | 12 | 6 | |
| PCI | Package identification | M | 1 | 21 | 20 | 12 | 6 | |
| GIN | Goods identity number | O | 10 | 21 | 20 | 12 | 6 | |
| | Segment group 22 | O | 999 | | 22 | 12 | 6 | |
| NAD | Name and address | M | 1 | | 22 | 12 | 6 | |
| LOC | Place/location identification | O | 10 | | 22 | 12 | 6 | |
| FTX | Free text | O | 5 | | 22 | 12 | 6 | |
| | Segment group 23 | O | 10 | 23 | 22 | 12 | 6 | |
| DOC | Document/message details | M | 1 | 23 | 22 | 12 | 6 | |

| | | | | | | | |
|-----|-----------------------|---|-----|----|----|----|----|
| DTM | Date/time/period | O | 1 | 23 | 22 | 12 | 6 |
| | | | | | 22 | 12 | 6 |
| | Segment group 24 | O | 5 | 24 | 22 | 12 | 6 |
| CTA | Contact information | M | 1 | 24 | 22 | 12 | 6 |
| COM | Communication contact | O | 5 | 24 | 22 | 12 | 6 |
| | | | | | 22 | 12 | 6 |
| | Segment group 25 | O | 10 | 25 | 22 | 12 | 6 |
| QTY | Quantity | M | 1 | 25 | 22 | 12 | 6 |
| DTM | Date/time/period | O | 2 | 25 | 22 | 12 | 6 |
| | | | | 25 | 22 | 12 | 6 |
| | Segment group 26 | O | 10 | 26 | 25 | 22 | 12 |
| RFF | Reference | M | 1 | 26 | 25 | 22 | 12 |
| DTM | Date/time/period | O | 1 | 26 | 25 | 22 | 12 |
| | | | | | 22 | 12 | 6 |
| | Segment group 27 | M | 999 | 27 | 22 | 12 | 6 |
| SCC | Scheduling conditions | M | 1 | 27 | 22 | 12 | 6 |
| | | | | 27 | 22 | 12 | 6 |
| | Segment group 28 | M | 999 | 28 | 27 | 22 | 12 |
| QTY | Quantity | M | 1 | 28 | 27 | 22 | 12 |
| DTM | Date/time/period | O | 2 | 28 | 27 | 22 | 12 |
| | | | | 28 | 27 | 22 | 12 |
| | Segment group 29 | O | 10 | 29 | 28 | 27 | 12 |
| RFF | Reference | M | 1 | 29 | 28 | 27 | 12 |
| DTM | Date/time/period | O | 1 | 29 | 28 | 27 | 12 |
| | | | | | 22 | 12 | 6 |
| | Segment group 30 | O | 10 | 30 | 22 | 12 | 6 |
| TDT | Details of transport | M | 1 | 30 | 22 | 12 | 6 |
| DTM | Date/time/period | O | 5 | 30 | 22 | 12 | 6 |
| UNT | Message trailer | M | 1 | | | | |



| UNB Interchange Header | | M | 1 | | |
|--|--|----------|----------|--------|-------------------------------------|
| Function To start, identify and specify an interchange | | | | | |
| S001 | SYNTAX IDENTIFIER | M | 1 | | |
| 0001 | Syntax identifier | M | | an..4 | UNOC |
| 0002 | Syntax version number | M | | a..1 | 3 |
| S002 | INTERCHANGE SENDER | M | 1 | | |
| 0004 | Sender identification | M | | an..35 | ECCREX |
| 0007 | Partner identification | M | | an..4 | ZZ |
| 0008 | Adress for reverse routing | O | | an..14 | |
| S003 | INTERCHANGE RECIPIENT | M | 1 | | |
| 0010 | Recipient Identification | M | | an..35 | recipient id |
| 0007 | Partner identification | M | | an..4 | recipient partner id |
| 0014 | Routing adress | O | | an..14 | |
| S004 | DATE/TIME OF PREPARATION | M | 1 | | |
| 0017 | Date | M | | n..6 | YYMMDD |
| 0019 | Time | M | | n..4 | HHMM |
| 0020 | INTERCHANGE CONTROL REFERENCE | M | 1 | an..14 | unique reference assigned by sender |
| S005 | RECIPIENTS REFERENCE, PASSWORD | O | 1 | | |
| 0022 | Recipients reference, password | M | | an..14 | |
| 0025 | Recipients reference, password qualifier | O | | an..2 | |
| 0026 | APPLICATION REFERENCE | O | 1 | an..14 | |
| 0029 | PROCESSING PRIORITY CODE | O | 1 | an..1 | |
| 0031 | ACKNOWLEDGEMENT REQUEST | O | 1 | n..1 | |
| 0032 | COMMUNICATIONS AGREEMENT ID | O | 1 | an..35 | |
| 0035 | TEST INDICATOR | O | 1 | n..1 | |

Example: UNB+UNOA:1+123456:AB+ECCREX:ZZ+030905:1058+1024'



| UNH | | Message header | | M | 1 | |
|---|-------------------------------|-----------------------|----------|----------|--|--|
| Function: To head, identify and specify a message | | | | | | |
| 0062 | MESSAGE REFERENCE NUMBER | M | | an..14 | Contains a unique alphanumeric identification of a message | |
| S009 | MESSAGE IDENTIFIER | M | 1 | | | |
| 0065 | Message type | M | | an..6 | DELFOR | |
| 0052 | Message version number | M | | an..3 | D | |
| 0054 | Message release number | M | | an..3 | 99B | |
| 0051 | Controlling agency | M | | an..2 | UN | |
| 0057 | Association assigned code | O | | an..6 | | |
| 0068 | COMMON ACCESS REFERENCE | O | | an..35 | | |
| S010 | STATUS OF THE TRANSFER | O | | | 1 | |
| 0070 | Sequence of transfers | M | | n..2 | | |
| 0073 | First and last transfer | O | | | | |

Example: UNH+00002406000001+DELFOR:D:99B:UN'



| BGM | | BEGINNING OF MESSAGE | | M | 1 | |
|--|--|-----------------------------|----------|----------|-------------------------|--|
| Function: To indicate the type and function of a message and to transmit the identifying number. | | | | | | |
| C002 | DOCUMENT/MESSAGE NAME | M | 1 | | | |
| 1001 | Document name code | M | | an..3 | 241 = delivery schedule | |
| 1131 | Code list identification code | O | | an..3 | | |
| 3055 | Code list responsible agency code | O | | an..3 | | |
| 1000 | Document name | O | | an..35 | | |
| | | | | | | |
| C106 | DOCUMENT/MESSAGE IDENTIFICATION | M | 1 | | | |
| 1004 | Document/message number | M | | an..35 | document number | |
| 1056 | Version | O | | an..9 | | |
| 1060 | Revision number | O | | an..6 | | |
| | | | | | | |
| 1225 | MESSAGE FUNCTION CODE | O | 1 | an..3 | 9 = original | |
| | | | | | | |
| 4343 | RESPONSE TYPE CODE | O | 1 | an..3 | | |

Example: BGM+241::5+0001400015::9'



| DTM | | DATE/TIME/PERIOD | | M | 10 |
|--|--|------------------|---|--------|-----------------------------|
| Function: To specify date, and/or time, or period. | | | | | |
| C507 | DATE/TIME/PERIOD | M | 1 | | |
| 2005 | Date/time/period function code qualifier | M | | an..3 | 137 = document/message date |
| 2380 | Date/time/period value | O | | an..35 | date |
| 2379 | Date/time/period format code | O | | an..3 | 102 = YYYYMMDD |

Example: DTM+137:20040229:102'



| FTX Free text | | O 99 | | | |
|----------------------|-----------------------------------|-------------|----------|---------|--|
| Function: Free text | | | | | |
| 4451 | TEXT SUBJECT CODE QUALIFIER | M | 1 | an..3 | AAI = general information |
| 4453 | TEXT FUNCTION, CODED | O | 1 | an..3 | |
| C107 | TEXT REFERENCE | O | 1 | | |
| 4441 | Free text value code | M | | an..17 | |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | O | | an..3 | |
| C108 | TEXT LITERAL | O | 1 | | |
| 4440 | Free text value | M | | an..512 | additonal text |
| 4440 | Free text value | O | | an..512 | additonal text |
| 4440 | Free text value | O | | an..512 | additonal text |
| 4440 | Free text value | O | | an..512 | additonal text |
| 4440 | Free text value | O | | an..512 | additonal text |
| 3453 | LANGUAGE NAME CODE | O | 1 | an..3 | DE = German EN = English FR = French |
| 4447 | TEXT FORMATTING, CODED | O | 1 | an..3 | |

Example: FTX+AAI+++additional text'



Segment Group: 1 (M)

| RFF | | REFERENCE | | O | 10 | |
|-----------------------------------|-----------------------------------|------------------|----------|----------|-------------------------|--|
| Function: To specify a reference. | | | | | | |
| C506 | REFERENCE | M | 1 | | | |
| 1153 | Reference function code qualifier | M | | an..3 | ON = order number | |
| 1154 | Reference identifier | O | | an..35 | no. of master agreement | |
| 1156 | Line number | O | | an..6 | | |
| 4000 | Reference version identifier | O | | an..35 | | |
| 1060 | Revision number | O | | an..6 | | |

Example: RFF+ON:5500058126'



Segment Group: 1 (M)

| DTM | | DATE/TIME/PERIOD | | O | 1 |
|--|--|-------------------------|----------|----------|--------------------------|
| Function: To specify date, and/or time, or period. | | | | | |
| C507 | DATE/TIME/PERIOD | M | 1 | | |
| 2005 | Date/time/period function code qualifier | M | | an..3 | 4 = order date |
| 2380 | Date/time/period value | O | | an..35 | date of master agreement |
| 2379 | Date/time/period format code | O | | an..3 | 102 = YYYYMMDD |

Example: DTM+4:20040229:102'



Segment Group: 2 (M)

| NAD | | NAME AND ADDRESS | | M | 99 | |
|--|-------------------------------------|-------------------------|----------|----------|--|--|
| Function: To specify the name/address and their related function | | | | | | |
| 3035 | PARTY FUNCTION CODE QUALIFIER | M | 1 | an..3 | (M) BY = buyer (M) SU = supplier (O) BT = party to be billed (O) CA = carrier | |
| C082 | PARTY IDENTIFICATION DETAILS | O | 1 | | | |
| 3039 | Party identifier | M | | an..35 | partner number | |
| 1131 | Code list identification code | O | | an..3 | | |
| 3055 | Code list responsible agency code | O | | an..3 | | |
| C058 | NAME AND ADDRESS | O | 1 | | | |
| 3124 | Name and address line | M | | an..35 | | |
| 3124 | Name and address line | O | | an..35 | | |
| 3124 | Name and address line | O | | an..35 | | |
| 3124 | Name and address line | O | | an..35 | | |
| 3124 | Name and address line | O | | an..35 | | |
| C080 | PARTY NAME | O | 1 | | | |
| 3036 | Party name | M | | an..35 | partner name | |
| 3036 | Party name | O | | an..35 | | |
| 3036 | Party name | O | | an..35 | | |
| 3036 | Party name | O | | an..35 | | |
| 3036 | Party name | O | | an..35 | | |
| 3045 | Party name format code | O | | an..3 | | |
| C059 | STREET | O | 1 | | | |
| 3042 | Street and number/p.o. box | M | | an..35 | street | |
| 3042 | Street and number/p.o. box | O | | an..35 | | |
| 3042 | Street and number/p.o. box | O | | an..35 | | |
| 3042 | Street and number/p.o. box | O | | an..35 | | |
| 3164 | CITY NAME | O | 1 | an..35 | city | |
| C819 | COUNTRY SUB-ENTITY DETAILS | O | 1 | | | |
| 3229 | Country sub-entity name code | O | | an..9 | | |
| 1131 | Code list identification code | O | | an..3 | | |
| 3055 | Code list responsible agency code | O | | an..3 | | |
| 3228 | Country sub-entity name | O | | an..35 | | |
| 3251 | POSTAL IDENTIFICATION CODE | O | 1 | an..17 | zip code | |
| 3207 | COUNTRY NAME CODE | O | 1 | an..3 | DE = Germany FR = France ... (all Iso-Codes are valid) | |

Example: NAD+BY+0001234567++TESTPARTNER+MAIN STREET 8+BERLIN++12345+DE'



Segment Group: 2 (M)

Segment Group: 4 (O)

| CTA CONTACT INFORMATION | | M | 1 | | |
|--|---------------------------------------|----------|----------|--------|--|
| Function. To identify a person or a department to whom communication should be directed. | | | | | |
| 3139 | CONTACT FUNCTION CODE | O | 1 | an..3 | DL = delivery contact PD = purchasing contact |
| C056 | DEPARTMENT OR EMPLOYEE DETAILS | O | 1 | | |
| 3413 | Department or employee identification | O | | an..17 | sign of purchaser purchasing department |
| 3412 | Department or employee | O | | an..35 | name of contact person |

Example: CTA+DL+EK10:Bauer'



Segment Group: 2 (M)

Segment Group: 4 (O)

| | | | | | |
|--|-------------------------------------|------------------------------|----------|----------|--|
| COM | | COMMUNICATION CONTACT | | O | 5 |
| Function: To identify a communication number | | | | | |
| C076 | COMMUNICATION CONTACT | M | 3 | | |
| 3148 | Communication number | M | | an..512 | Communication number |
| 3155 | Communication number code qualifier | M | | an..3 | TE = telephone EM = electronic mail FX = telefax |

Example: COM+09352-18-1845:TE'



Segment Group: 6 (M)

| GIS | | GENERAL INDICATOR | | 999 | |
|---|---------------------------------------|--------------------------|----------|------------|---------------------------|
| Function: To transmit a processing indicator. | | | | | |
| C529 | PROCESSING INDICATOR | M | 1 | | |
| 7365 | Processing indicator description code | M | | an..3 | 37 = complete information |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | O | | an..3 | |
| 7187 | Process type description code | O | | an..17 | |

Example: GIS+37'



Segment Group: 6 (M)

Segment Group: 7 (C)

| NAD | | NAME AND ADDRESS | | M | 1 | |
|--|-------------------------------------|-------------------------|----------|----------|---|--|
| Function: To specify the name/address and their related function | | | | | | |
| 3035 | PARTY FUNCTION CODE QUALIFIER | M | 1 | an..3 | CN = goods receipt | |
| C082 | PARTY IDENTIFICATION DETAILS | O | 1 | | | |
| 3039 | Party identifier | M | | an..35 | partner number | |
| 1131 | Code list identification code | O | | an..3 | | |
| 3055 | Code list responsible agency code | O | | an..3 | | |
| C058 | NAME AND ADDRESS | O | 1 | | | |
| 3124 | Name and address line | M | | an..35 | | |
| 3124 | Name and address line | O | | an..35 | | |
| 3124 | Name and address line | O | | an..35 | | |
| 3124 | Name and address line | O | | an..35 | | |
| 3124 | Name and address line | O | | an..35 | | |
| C080 | PARTY NAME | O | 1 | | | |
| 3036 | Party name | M | | an..35 | partner name | |
| 3036 | Party name | O | | an..35 | | |
| 3036 | Party name | O | | an..35 | | |
| 3036 | Party name | O | | an..35 | | |
| 3036 | Party name | O | | an..35 | | |
| 3045 | Party name format code | O | | an..3 | | |
| C059 | STREET | O | 1 | | | |
| 3042 | Street and number/p.o. box | M | | an..35 | street | |
| 3042 | Street and number/p.o. box | O | | an..35 | | |
| 3042 | Street and number/p.o. box | O | | an..35 | | |
| 3042 | Street and number/p.o. box | O | | an..35 | | |
| 3164 | CITY NAME | O | 1 | an..35 | city | |
| C819 | COUNTRY SUB-ENTITY DETAILS | O | 1 | | | |
| 3229 | Country sub-entity name code | O | | an..9 | | |
| 1131 | Code list identification code | O | | an..3 | | |
| 3055 | Code list responsible agency code | O | | an..3 | | |
| 3228 | Country sub-entity name | O | | an..35 | | |
| 3251 | POSTAL IDENTIFICATION CODE | O | 1 | an..17 | zip code | |
| 3207 | COUNTRY NAME CODE | O | 1 | an..3 | DE = Germany FR = France ... (all Iso-Codes are valid) | |

Example: NAD+CN+24681012++CONSIGNEE GMBH+DELIVERY STREET+B226 8+BERLIN++12345+DE'



Segment Group: 6 (M)

Segment Group: 7 (C)

| LOC PLACE/LOCATION IDENTIFICATION O | | | | | |
|---|--|----------|----------|---------|--|
| Function To identify a place or a location and/or related locations | | | | | |
| 3227 | LOCATION FUNCTION CODE QUALIFIER | M | 1 | an..3 | 11 = place of discharge 19 = factory or plant |
| C517 | LOCATION IDENTIFICATION | O | 1 | | |
| 3225 | Location name code | O | | an..25 | id of place of discharge |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | O | | an..3 | |
| 3224 | Location name | O | | an..256 | |
| C519 | RELATED LOCATION ONE IDENTIFICATION | O | 1 | | |
| 3223 | Related place/location one identification | O | | an..25 | |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | O | | an..3 | |
| 3222 | Related place/location one | O | | an..70 | |
| C553 | RELATED LOCATION TWO IDENTIFICATION | O | 1 | | |
| 3233 | Related place/location two identification | O | | an..25 | |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | O | | an..3 | |
| 3232 | Related place/location two | O | | an..70 | |
| 5479 | RELATION, CODED | O | 1 | an..3 | |

Example: LOC+11+W411'



Segment Group: 6 (M)
 Segment Group: 7 (C)
 Segment Group: 10 (C)

| CTA CONTACT INFORMATION | | M | 5 | | |
|--|---------------------------------------|----------|----------|--------|--|
| Function. To identify a person or a department to whom communication should be directed. | | | | | |
| 3139 | CONTACT FUNCTION CODE | O | 1 | an..3 | DL = delivery contact PD = purchasing contact |
| | | | | | |
| C056 | DEPARTMENT OR EMPLOYEE DETAILS | O | 1 | | |
| 3413 | Department or employee identification | O | | an..17 | sign of contact |
| 3412 | Department or employee | O | | an..35 | name of contact person |

Example: CTA+PD+A11:Meier'



Segment Group: 6 (M)
 Segment Group: 7 (O)
 Segment Group: 10 (O)

| | | | | |
|------------|------------------------------|----------|----------|--|
| COM | COMMUNICATION CONTACT | O | 5 | |
|------------|------------------------------|----------|----------|--|

Function: To identify a communication number

| C076 | COMMUNICATION CONTACT | M | 3 | |
|------|-------------------------------------|---|---|---|
| 3148 | Communication number | M | | an..512 communication number |
| 3155 | Communication number code qualifier | M | | an..3 TE = telephone EM = electronic mail FX = telefax |

Example: COM+max.meier@boschrexroth.de:EM'



Segment Group: 6 (M)

Segment Group: 12 (M)

| LIN | LINE ITEM | M | 999 | | |
|--|--|----------|----------|--------|-------------------------|
| Function: To identify a line item and configuration. | | | | | |
| 1082 | LINE ITEM NUMBER | M | 1 | an..6 | line item |
| 1229 | ACTION REQUEST/NOTIFICATION DESCRIPTIO | M | 1 | an..3 | 1 = new |
| | | O | 1 | | |
| C212 | ITEM NUMBER IDENTIFICATION | O | 1 | | |
| 7140 | Item number | M | | an..35 | article number |
| 7143 | Item type identification code | M | | an..3 | BP = buyers part number |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | | | an..3 | 92 = assigned by buyer |
| | | O | 1 | | |
| C829 | SUB-LINE INFORMATION | O | 1 | | |
| 5495 | Sub-line indicator, coded | O | | an..6 | |
| 1082 | Line item number | | | | |
| | | O | 1 | n..2 | |
| 1222 | CONFIGURATION LEVEL | | | | |
| | | O | 1 | an..3 | |
| 7083 | CONFIGURATION, CODED | | | | |

Example: LIN++1+R902433448:BP::92'



Segment Group: 6 (M)
 Segment Group: 12 (M)

| PIA | | | | | |
|---|-----------------------------------|----------|----------|----------|----------------------------|
| ADDITIONAL PRODUCT ID | | | | O | 10 |
| Function: To specify additional or substitutional item identification codes | | | | | |
| 4347 | PRODUCT ID. FUNCTION QUALIFIER | M | 1 | an..3 | 5 = product identification |
| C212 | ITEM NUMBER IDENTIFICATION | M | 1 | | |
| 7140 | Item number | O | | an..35 | item number of vendor |
| 7143 | Item type identification code | O | | an..3 | SA = suppliers article |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | O | | an..3 | |
| C212 | ITEM NUMBER IDENTIFICATION | O | 1 | | |
| 7140 | Item number | O | | an..35 | |
| 7143 | Item type identification code | O | | an..3 | |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | O | | an..3 | |
| C212 | ITEM NUMBER IDENTIFICATION | O | 1 | | |
| 7140 | Item number | O | | an..35 | |
| 7143 | Item type identification code | O | | an..3 | |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | O | | an..3 | |
| C212 | ITEM NUMBER IDENTIFICATION | O | 1 | | |
| 7140 | Item number | O | | an..35 | |
| 7143 | Item type identification code | O | | an..3 | |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | O | | an..3 | |
| C212 | ITEM NUMBER IDENTIFICATION | O | 1 | | |
| 7140 | Item number | O | | an..35 | |
| 7143 | Item type identification code | O | | an..3 | |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | O | | an..3 | |

Example: PIA+5+R98765:SA'



Segment Group: 6 (M)

Segment Group: 12 (M)

| IMD | | ITEM DESCRIPTION | | O | 10 | |
|--|-----------------------------------|-------------------------|----------|----------|--|--|
| Function: To describe an item in either an industry or free format | | | | | | |
| 7077 | ITEM DESCRIPTION TYPE, CODED | O | 1 | an..3 | F = free text | |
| C272 | ITEM CHARACTERISTIC | O | 1 | | | |
| 7081 | Item characteristic code | O | | an..3 | 8 = product | |
| 1131 | Code list identification code | O | | an..3 | | |
| 3055 | Code list responsible agency code | O | | an..3 | 91 = assigned by seller 92 = assigned by customer | |
| C273 | ITEM DESCRIPTION | O | 1 | | | |
| 7009 | Item description identification | O | | an..17 | item description | |
| 1131 | Code list identification code | O | | an..3 | | |
| 3055 | Code list responsible agency code | O | | an..3 | | |
| 7008 | Item description | O | | an..256 | | |
| 7008 | Item description | O | | an..256 | | |
| 3453 | Language name code | O | | an..3 | | |
| 7383 | SURFACE/LAYER CODE | O | 1 | an..3 | | |

Example: IMD+F+8::92+VERTEILER'


Segment Group: 12 (M)

| FTX Free text | | O 99 | | | |
|--------------------------------|---|-------------|---|---------|---|
| Function: Free text | | | | | |
| 4451 | TEXT SUBJECT CODE QUALIFIER | M | 1 | an..3 | LIN = line item text |
| 4453 | TEXT FUNCTION, CODED | O | 1 | an..3 | |
| C107 TEXT REFERENCE O 1 | | | | | |
| 4441 | Free text value code | M | | an..17 | |
| 1131 | Code list identification code | O | | an..3 | |
| 3055 | Code list responsible agency code | O | | an..3 | |
| C108 TEXT LITERAL O 1 | | | | | |
| 4440 | Free text value | M | | an..512 | additonal text |
| 4440 | Free text value | O | | an..512 | additonal text |
| 4440 | Free text value | O | | an..512 | additonal text |
| 4440 | Free text value | O | | an..512 | additonal text |
| 4440 | Free text value | O | | an..512 | additonal text |
| 3453 | LANGUAGE NAME CODE SAP-Source: E1EDKT1.TSSPRAS_ISO | M | 1 | an..3 | DE = German EN = English FR = French (other ISO-Codes agreeable) |
| 4447 | TEXT FORMATTING, CODED | O | 1 | an..3 | |

Example: FTX+LIN+++some line item text+DE'



Segment Group: 6 (M)

Segment Group: 12 (M)

Segment Group: 13 (O)

| RFF | | REFERENCE | | O | 10 |
|-----------------------------------|-----------------------------------|------------------|----------|----------|---|
| Function: To specify a reference. | | | | | |
| C506 | REFERENCE | M | 1 | | |
| 1153 | Reference function code qualifier | M | | an..3 | AAN = delivery schedule number AIF = previous delivery schedule ON = order number AAL = drawing number |
| 1154 | Reference identifier | O | | an..35 | no. of delivery schedule |
| 1156 | Line number | O | | an..6 | line number e.g. from frame contract |
| 4000 | Reference version identifier | O | | an..35 | |
| 1060 | Revision number | O | | an..6 | |

Example: RFF+ON:5500058126:10'



Segment Group: 6 (M)
 Segment Group: 12 (M)
 Segment Group: 13 (O)

| | | | | | |
|--|--|----------|----------|--------|-----------------------------|
| DTM | DATE/TIME/PERIOD | O | 1 | | |
| Function: To specify date, and/or time, or period. | | | | | |
| C507 | DATE/TIME/PERIOD | M | 1 | | |
| 2005 | Date/time/period function code qualifier | M | | an..3 | 137 = document/message date |
| 2380 | Date/time/period value | O | | an..35 | date |
| 2379 | Date/time/period format code | O | | an..3 | 102 = YYYYMMDD |

Example: DTM+137:20040229:102'



Segment Group: 6 (M)

Segment Group: 12 (M)

Segment Group: 15 (O)

| QTY | | QUANTITY | | M | 99 |
|--|------------------------------|-----------------|----------|----------|---|
| Function: To specify a pertinent quantity. | | | | | |
| C186 | QUANTITY DETAILS | M | 1 | | |
| 6063 | Quantity type code qualifier | M | | an..3 | 48 = received quantity 70 = received cumulative quantity 71 = cumulative quantity ordered 83 = backorder quantity |
| 6060 | Quantity | M | | an..35 | amount |
| 6411 | Measurement unit code | O | | an..3 | CMT = centimeter GRM = gram LTR = litre MTR = metre MLT = millimetre NMP = package NPL = parcel PCE = piece BAR = plate KGM = kilogram |

Example: QTY+83:200:PCE'



Segment Group: 6 (M)
 Segment Group: 12 (M)
 Segment Group: 15 (O)
 Segment Group: 16 (O)

| | | | |
|------------|------------------|----------|-----------|
| RFF | REFERENCE | M | 10 |
|------------|------------------|----------|-----------|

Function: To specify a reference.

| C506 | REFERENCE | M | 1 | | |
|-------------|-----------------------------------|----------|----------|--------|----------------------------|
| 1153 | Reference function code qualifier | M | | an..3 | AAU = despatch note number |
| 1154 | Reference identifier | O | | an..35 | number of last delivery |
| 1156 | Line number | O | | an..6 | |
| 4000 | Reference version identifier | O | | an..35 | |
| 1060 | Revision number | O | | an..6 | |

Example: RFF+AAU:170054698'



Segment Group: 6 (M)
 Segment Group: 12 (M)
 Segment Group: 15 (O)
 Segment Group: 16 (O)

| | | | |
|------------|-------------------------|----------|----------|
| DTM | DATE/TIME/PERIOD | O | 1 |
|------------|-------------------------|----------|----------|

Function: To specify date, and/or time, or period.

| C507 | DATE/TIME/PERIOD | M | 1 | | |
|-------------|--|----------|----------|--------|-------------------------------|
| 2005 | Date/time/period function code qualifier | M | | an..3 | 137 = document / message date |
| 2380 | Date/time/period value | O | | an..35 | date |
| 2379 | Date/time/period format code | O | | an..3 | 102 = YYYYMMDD |

Example: DTM+137:20030927:102'



Segment Group: 6 (M)

Segment Group: 12 (M)

Segment Group: 17 (M)

| SCC | | SCHEDULING CONDITIONS | | M | 999 |
|---|-------------------------------------|------------------------------|----------|----------|---|
| Function: To specify scheduling conditions. | | | | | |
| 4017 | DELIVERY PLAN COMMITMENT LEVEL CODE | M | 1 | an..3 | 1 = fix 2 = commitment for manufacturing and material 3 = commitment for material 4 = forecast 10 = immediately |
| C329 | PATTERN DESCRIPTION | O | 1 | | |
| 2013 | Frequency code | O | | an..3 | |
| 2015 | Despatch pattern, coded | O | | an..3 | |
| 2017 | Despatch pattern timing, coded | O | | an..3 | |

Example: SCC+1'



Segment Group: 6 (M)
 Segment Group: 12 (M)
 Segment Group: 17 (M)
 Segment Group: 18 (M)

| QTY | | QUANTITY | | M | 999 |
|--|------------------------------|----------|---|--------|---|
| Function: To specify a pertinent quantity. | | | | | |
| C186 | QUANTITY DETAILS | M | 1 | | |
| 6063 | Quantity type code qualifier | M | | an..3 | 113 = quantity to be delivered 3 = cumulative quantity 66 = committed quantity |
| 6060 | Quantity | M | | an..35 | quantity |
| 6411 | Measurement unit code | O | | an..3 | CMT = centimeter GRM = gram LTR = litre MTR = metre MLT = millimetre NMP = package NPL = parcel PCE = piece BAR = plate KGM = kilogram |

Example: QTY+113:220:PCE'

The using of the qualifiers depends on the SCC-segments. The following qualifiers are allowed/expected:

SCC+1: QTY+113, QTY+3
 SCC+2: QTY+66
 SCC+3: QTY+66
 SCC+4: QTY+113, QTY+3,
 SCC+10: QTY+113

If you want to send commitment for (manufacturing and) material only as a date, set this quantity to "0"



Segment Group: 6 (M)

Segment Group: 12 (M)

Segment Group: 17 (M)

Segment Group: 18 (M)

| DTM | | DATE/TIME/PERIOD | | O | 2 |
|--|--|-------------------------|----------|----------|--|
| Function: To specify date, and/or time, or period. | | | | | |
| C507 | DATE/TIME/PERIOD | M | 1 | | |
| 2005 | Date/time/period function code qualifier | M | | an..3 | 64 = delivery date, earliest 161 = release date 76 = scheduled delivery date |
| 2380 | Date/time/period value | O | | an..35 | date |
| 2379 | Date/time/period format code | O | | an..3 | 102 = yyyyymmdd 616 = yyyyww (week) 610 = yyyyymm (month) |

Example: DTM+76:20050229:102'

The using of the qualifiers depends on the QTY-segments. The following qualifiers are allowed/expected:

QTY+3: DTM+64

QTY+66: DTM+161

QTY+113: DTM+76



| UNT Message trailer | | M | 1 | | |
|--|-----------------------------------|----------|----------|--------|------------------------------|
| Function: To end and check the completeness of a message | | | | | |
| 0074 | NUMBER OF SEGMENTS IN THE MESSAGE | M | 1 | n..6 | number of segments |
| 0062 | MESSAGE REFERENCE NUMBER | M | 1 | an..14 | message reference (like UNH) |

Example: UNT+76+00002406000001'



| | | | | | |
|---|-------------------------------|----------|----------|--------|-------------------------------------|
| UNZ Interchange trailer | | M | 1 | | |
| Function: To end and check the completeness of an interchange | | | | | |
| 0036 | INTERCHANGE CONTROL COUNT | M | 1 | n..6 | The count of the number of messages |
| 0020 | INTERCHANGE CONTROL REFERENCE | M | 1 | an..14 | identical to 0020 in UNB |

Example: UNZ+2+1024'



Version: 1.8