

Definition of BEMIS PUS001 Import and Export File for Business Document Type Pick-up Sheet

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About this guide

This document describes the content and the corresponding structure of the EDI message "Pick-up Sheet", which is supported by Baan Electronic Message, the ERP LN in-house format.

The message's content refers to the following origin message types and gives their attribution to the transferred ASCII file of the BEMIS format:

- EDIFACT DELJIT
- ANSI X12 862

The message structure is defined by referring to incoming directions.

The document contains the following chapters:

Chapter 1, "General Principles", provides a general introduction to the EDI in-house format for the Business Document type Pick-up Sheet.

Chapter 2, "Data Record Description by Kind of Data Record", describes in detail the data records used for the EDI in-house format of EDI message Pick-up Sheet.

Chapter 3, "Definitions, Acronyms, and Abbreviations", provides a glossary of terms used in Infor ERP LN and in this document, and also a list of abbreviations.

Appendix A, "Sample File", provides a sample file for the incoming message PUS001.

Intended audience

This document is intended for the following categories of users:

- Users who want to understand what the processed information of the EDI messages in ERP LN are.
- Users who develop the translation from external EDI format to the in-house format.

References

The following documents might be of importance:

| No. | Document number | Title |
|-----|-----------------|---|
| 1 | U8912A US | User's Guide for BEMIS |
| 2 | U8998A US | User's Guide for EDI Business Documents |
| 3 | U9443B US | Definition of BEMIS MRL001 Import and Export File |

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In your e-mail, refer to the document code and title. More specific information will enable us to process feedback efficiently.

Chapter 1 General Principles

Available types of data records

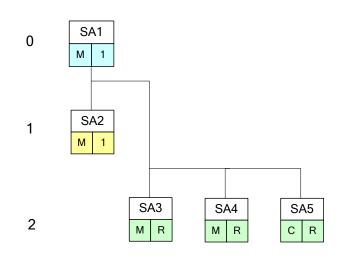
This section describes the EDI in-house format for the Business Document type Pick-up Sheet (incoming). When you transmit information about Pick-up Sheets, the use of the following types of data records is conditional (C) or respectively mandatory (M).

| ID | Status | Name |
|-----|--------|----------------------------------|
| SA1 | М | Global Overhead |
| SA2 | М | Release Header |
| SA3 | М | PUS Header Shipment Reference |
| SA4 | М | PUS Lines – Item |
| SA5 | С | Schedule Text |

Branching diagrams

The following data record structure is used for the BEMIS message type Pick-up Sheet:

Level



Legend:

| Status: | Frequency: |
|---------------------------|--------------------------|
| M: mandatory in message | 1: once by message |
| C: conditional in message | R: repeatable by message |

For example, for two required releases with each two schedules the BEMIS file has the following structure:

- SA1 ... Global Overhead
- SA2 ... Release Header 1
- SA3 ... PUS Header 1
- SA4 ... PUS Lines Item 11
- SA4 ... PUS Lines Item 12
- SA4 ... PUS Lines Item 13
- SA5 ... Schedule Text 131
- SA5 ... Schedule Text 132
- SA3 ... PUS Header 2
- SA4 ... PUS Lines Item 21

- SA1 ... Global Overhead
- SA2 ... Release Header 2
- SA3 ... PUS Header Shipment Reference1
- SA4 ... PUS Lines Item 11
- SA3 ... PUS Header Shipment Reference 2
- SA4 ... PUS Lines Item 21
- SA4 ... PUS Lines Item 22

Key fields incoming

The incoming message refers to the Sold-to-BP and the Sales Schedule Releases. The following structure of the key fields is used to determine the corresponding data records of a Pick-up Sheet message:

| Sorted by Key | | | к | ey 3 | | | key 6 | key 7 |
|-------------------|-----|------------------|--------------|-----------------------------|--------------------------|-------|-------------|--------------------|
| Type Data Rec. | k | ey 1 k | xey 2 | - | ey 4 | key 5 | | |
| Bao field 1 t | ckp | | | | | | | |
| SA 1 | | Messag e ref. | BP net ID | | | | | |
| SA 2 | 1 | Messag e ref. | BP net ID | | | | | |
| SA 3 | 2 | Messag e ref. | BP net ID | Cust omer Rele ase | Custome r Revisior | | | |
| SA 4 | 3 | Messag e ref. | BP net ID | Cust omer Rele ase | Custome r Revisior | r | r Schedu | I |
| SA 5 | 4 | Messag e ref. | BP net ID | Cust omer Rele ase | Custome r Revisior | r | r Schedu | r I Schedu e |

Business partner relations

The following table shows the business partner relations:

| Incoming Schedule Releases | |
|----------------------------|---------------|
| Sold-to BP Code | tdsls312.ofbp |
| Warehouse Code | tdsls315.cwar |
| Ship-to BP Code | tdsls312.stbp |

Network directories

In the Direct Network Communication (ecedi7205m000) session, the user can receive and generate EDI messages.

As written in the User's Guide EDI Business Document [2], the communication is done between the EDI Sub-System and ERP LN to transfer the message's ASCII files across the specific network. This communication is based on the network directories that are established in ERP LN.

The network basis directories for each network will be defined in the ecedi0120m000 session.

The ERP LN user can decide the structure of the used network directories, such as the following:

- For every message type, one network directory can be used for outgoing messages and one can be used for incoming messages. This means that one message file contains data for several business partners.
- For a group of message types, such as schedules, one network directory can be used for outgoing messages and one can be used for incoming messages.
- Every business partner can use their own network directory, and the files would be able to contain data for several messages types.

Infor recommends the second possibility.

For the network BEMIS, for example, the basis directories can be indicated in the following way:

• /\${BSE}/edi /bemis/schedule/

ERP LN will additionally create the following subdirectories:

- /\${BSE}/edi/bemis/schedule/appl_from/
- /\${BSE}/edi/bemis/schedule/appl_to/
- /\${BSE}/edi/bemis/schedule/command/
- /\${BSE}/edi/bemis/schedule/store_recv/
- /\${BSE}/edi/bemis/schedule/store_sent/
- /\${BSE}/edi/bemis/schedule/trace/

The above mentioned directories refer to the message type of schedule as "Pick-up Sheet". The directories have the following functions:

- .../appl_from/: In this directory, ERP LN records the outgoing messages that are the defined BEMIS in-house format files. The EDI Subsystem can collect them from here.
- .../appl_to/: The EDI Subsystem writes the incoming message into this directory in the ERP LN in-house format.
- .../command/: A directory of the semaphores.
- .../store_recv/: ERP LN stores processed incoming messages in this directory, if the corresponding EDI parameter is set in this way. During this process, an additional subdirectory by incoming message file is created; the subdirectory is named with a date and time stamp that indicates when the message was moved.
- .../store_sent/: ERP LN stores processed outgoing messages in this directory, if the corresponding EDI parameter is set in this way. During this process, an additional subdirectory by incoming message file is created; the subdirectory is named with a date and time stamp that indicates when the message was moved.
- .../trace/: ERP LN creates a log of the incoming messages and outgoing messages in the processing order in this directory, if the corresponding EDI parameter is set in this way.

The file name of the BEMIS in-house format files of the Pick-up Sheet, which is being described in this documentation, is defined in the following way:

| Direction | File Name | Network Directory | | | |
|-----------|-----------|-------------------------------------|--|--|--|
| incoming | PUS001 | /\${BSE}/edi/bemis/schedule/appl_to | | | |

ERP LN BEMIS messages – conventions

Written in the User's Guide for BEMIS [1], we use the following rules to structure the EDI message:

- Each data segment is defined by a unique code in an EDI message. The format of the data segment code is SA99. Each segment (message record) starts with the unique code "Sax"; the message record ends with "SAx_END".
- The length of the several data segments can vary.

General Principles

- Even if some fields do not contain a value, each data segment (message record) must consist of all fields.
- The fields in the file must be separated by a defined sign, such as a semicolon (;)
- A filled string field must be put inside quotation marks ("....").
- If a position in a BEMIS Message File is not taken by a value, which means that the position is empty, then the position is pointed out using two semicolons. Also, the ERP LN EDI Module distinguishes between numerical data and alphanumerical data format, as shown in the following examples:

```
Empty numerical Position: "SAx"; ...; ; ...; "SAx_END"
```

Empty alphanumerical Position: Infor differs between the following, in case the field exists in the LN database:

"SAx"; ...; ; ...; "SAx_END" and "SAx"; ...; ""; ...; "SAx_END"

In the following sections are the format descriptions of the individual types of data segments (message records) of the interface file. The table contains the following data:

| SCHEDULE IN-HOUSE FORMAT | | | | | |
|--------------------------|-------------------|-----|----|----|--|
| Pos | Field description | Key | ST | FM | |

The first block of the table describes the format of a type of data record:

| Pos | Position of the field in the data record | |
|-------------------|--|------------|
| Field description | Description of the field | |
| Key | Key field outgoing (O) / incoming (I) | |
| ST | Field status mandatory (M) / conditional (C) | |
| FM | Field format, for example. | |
| | an14 = alphanumerical field with a maximum of 14 | characters |
| | an14 = alphanumerical field with exactly 14 characters | |
| | n10 = numerical field with a maximum of 10 characters | |
| | n1 = numerical field with exactly 1 character | |

The second block of the table describes the corresponding table field in ERP LN and describes possible special actions, which will be carried out when the messages are being processed.

| from Application Table Field (out) / Mapping to Table Field (in) | | | |
|--|--------|--|--|
| Table Field | Action | | |

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Following the table overview, every field is described in a more detailed way, including information about the processing in the EDI Sub-System and in ERP LN.

Consider one exception: if a position of the data record is not currently used, then Infor omits the detailed description of this empty position.

What is new in comparison to BEMIS for BAAN V?

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SA1 Message Overhead

| Status: | Mandatory |
|--------------|--|
| Frequency: | Once by Release |
| Description: | This data record contains information about the transmitter, the message type and the time of the transmission. The message reference identifies all related data records of this message. |

| Load Form | Information - at | In-ho | use | | Mapping from Application Table Fields (out) | | Mapping to Application Table Fields (in) | |
|--------------|------------------------|-------|-----|------|---|--------|---|-------------------------------------|
| Pos | Field Description | Key | ST | FM | Table field | Action | Table field | Action |
| 1 | Kind of data record | I | Μ | an3 | | | SA1 | |
| 2 | Message Reference | I | Μ | an35 | | | ecedi702.bano | Generation by EDI Sub- System |
| 3 | Net ID of Sender | Ι | Μ | an17 | | | ecedi702.bpid | Conversion (see below) |
| 4 | Net ID of Receiver | | Μ | an17 | | | | |
| 5 | Message | | Μ | an6 | | | ecedi702.mess | Conversion (see below) |
| 6 | Organization | | М | an6 | | | ecedi702.orga | Conversion (see below) |
| 7 | Order type | | М | an35 | | | ecedi702.koor | |
| 8 | Transmission reference | | М | an20 | | | ecedi702.msno | |

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ERP LN

ERP LN

Processing Incoming EDI Sub-System

| Load Form | Information - In at | n-house | | Mapping from Application T (out) | | Mapping to Applic Table Fields (in) | cation |
|--------------|-----------------------------------|---------|------|--|------------|--|--------|
| 9 | Date / Time of transmission | Μ | n14 | | | ecedi702.send | |
| 10 | Transmission Reference old | С | an20 | | | ecedi702.prno | |
| 11 | | | | | | | |
| 12 | Identifier of Test | С | an1 | | | ecedi702.test | |
| 13 | Data record end sign | М | an7 | | | SA1_END | |
| Detai | led description: | | | Pick-up She | ət | | |
| Kind | of data record: | | | SA1 Messag | e Overhead | | |
| Posi | tion 1 | | Fie | eld Format | an3 | Field Status | М |
| Field | l Name | | Ki | nd of Data Red | cord | Key field IN | |
| Desc | ription | | | is field identifie ock. It contains | | data record in the me value 'SA1'. | essage |
| | essing outgoing Sub-System | | | | | | |

This field will be filled with the constant value 'SA1'.

None

| Position 2 | Field Format | an14 | Field Status | М |
|---------------------------------------|--|--|--|-------------------------------|
| Field Name | Message Reference | <u>e</u> | Key field IN | |
| Description | Sheet. The numberi control the chronolo transmission. The fi | ing, which gical order eld consist ent date (fo | ed data records of on has to be clear by PU of the PUS and the c s of a fix item with fou prmat: YYMMDD) and | S, helps to complete ir |
| | the ERP LN table end reference with the E reference needs to | cedi020. W DI Sub-Sy be specific | ned in the network pa /hen generating the m /stem, the created me , which means unique e ERP LN controls wh | nessage ssage e. While |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | - | - | es this number to iden data records of a PUS | • |
| ERP LN | Mapping to ERP LN | l table field | ecedi702.bano. | |
| Position 3 | Field Format | an17 | Field Status | М |
| Field Name | Net ID of sender | | Kev field In | |

| Field Name | Net ID of sender | Key field In |
|---------------------------------------|---|--|
| Description | This field contains the ide the ILN Number) | ntification of the sender (for example |
| Processing outgoing EDI Sub-System | | |
| ERP LN | | |
| Processing Incoming EDI Sub-System | | |
| ERP LN | business partner (custom | ender determines the corresponding er) and the network in the table etwork'. This identification is mapped ecedi702.bpid. |

| Position 4 | | Field Format | an17 | Field Status | М |
|---------------------------------------|---|---------------------|---------------|--------------------|---|
| Field Name | | Net ID of Receive | <u>r</u> | | |
| Description | | This field contains | the identific | ation of receiver. | |
| Processing outgoing EDI Sub-System | | | | | |
| ERP LN | | | | | |
| Processing Incoming EDI Sub-System |] | Transmission of th | e value from | the message file. | |
| ERP LN | | On the incoming s | de this field | will be ignored. | |

| Position 5 | Field Format an6 Field Status M |
|---------------------------------------|---|
| Field Name | Message |
| Description | This field contains the code for the identification of the concerned message. The code for the message type 'Pick-up Sheet' is PUS001. |
| Processing outgoing EDI Sub-System | |
| ERP LN | |
| Processing Incoming EDI Sub-System | This field will be filled with the constant value 'PUS001'. |
| ERP LN | The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this PUS. In the ERP LN table ecedi005 'EDI Messages' is determined for every message which session (DLL) is used in ERP LN to process the message. The message code is mapped to the ERP LN table field ecedi702.mess. |

| Position | 6 | Field Format | an6 | Field Status | М |
|------------------------------------|-----|--------------------------------------|-----|------------------------|------------|
| Field Name | | Organization | | | |
| Description | | This field contains for the EDI comm | 0 | ation (Standard), whic | ch is used |
| Processing outgo EDI Sub-System | ing | | | | |
| ERP LN | | | | | |

| Position | 6 | Field Format | an6 | Field Status | М | |
|---------------------------------------|---|--|-------------|---|---------|--|
| Field Name | | Organization | | | | |
| Processing Incoming EDI Sub-System | | This field will be filled with the constant value 'BEMIS'. | | | | |
| ERP LN | | 11 0 | anization n | l ecedi702.orga. The nust have been entered in | nto the | |

| Position 7 | Field Format | an35 | Field Status | М | |
|---|---------------------|--|----------------------|------|--|
| Field Name | Order Type | | | | |
| Description | This field contains | a code for t | he concerned order t | ype. | |
| Processing outgoing EDI Sub-System | | | | | |
| ERP LN | | | | | |
| Processing Incoming EDI Sub-System | | | | | |
| ERP LN | table ecedi200 the | Mapping to ERP LN table field ecedi702.koor. In the ERP LN table ecedi200 there must be an entry for this order type in connection with the respective message and organization. | | | |
| Position 8 | Field Format | an20 | Field Status | М | |
| Field Name | Transmission Re | Transmission Reference | | | |
| Description This field contains the reference code which the EDI St | | | DI Sub- | | |

System applied to this transmission.
Processing outgoing
EDI Sub-System
ERP LN
Processing Incoming

EDI Sub-System

ERP LN

Mapping to ERP LN table field ecedi702.msno.

| Position 9 | Field Format | n14 | Field Status | М | | |
|---------------------------------------|--|--|--------------------------------------|------------|--|--|
| Field Name | Date / Time of Tr | ansmissior | <u>1</u> | | | |
| Description | on which the PUS side, this field cor | This field contains on the outgoing side the current date / time on which the PUS message was created. On the incoming side, this field contains the arrival date / time of the message at the EDI Sub-System (format: YYYYMMDDHHMMSS). | | | | |
| Processing outgoing EDI Sub-System | | | | | | |
| ERP LN | | | | | | |
| Processing Incoming EDI Sub-System | Entry of the arriva System. | Il date / time | of the message at the | e EDI Sub- | | |
| ERP LN | Mapping to ERP | _N table field | d ecedi702.send | | | |
| | | | | | | |
| Position 10 | Field Format | an20 | Field Status | С | | |
| Field Name | Transmission Ro | eference Ol | <u>d</u> | | | |
| Description | This field contains System applied to | | ce number, which the s transmission. | EDI Sub- | | |
| Processing outgoing EDI Sub-System | | | | | | |
| ERP LN | | | | | | |
| Processing Incoming EDI Sub-System | Transmission of t | he value fror | n the transmission file | ·. | | |
| ERP LN | Mapping to ERP | Mapping to ERP LN table field ecedi702.prno. | | | | |
| Position 12 | Field Format | an1 | Field Status | С | | |

| Position 12 | Fleid Format | ani | Field Status | L L |
|---------------------------------------|---------------------|--------------|--|--------|
| Field Name | Identifier of Test | | | |
| Description | messages for this | organizatic | nat will identify incoming on as test messages. A te copied to the database. | st |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | Transmission of the | e value fror | n the transmission file. | |
| | | | | |

| Position | 12 | Field Format | an1 | Field Status | С | |
|------------|----|--------------------|--|--------------|---|--|
| Field Name | | Identifier of Test | | | | |
| ERP LN | | Mapping to ERP LN | Mapping to ERP LN table field ecedi702.test. | | | |

| Position 13 | Field Form | at an7 | Field Status | М | |
|---------------------------------------|---------------|----------------------|--|----------|--|
| Field Name | Data Recor | Data Record end sign | | | |
| Description | | | of data record in the net the net the net the net of th | • | |
| Processing outgoing EDI Sub-System | | | | | |
| ERP LN | | | | | |
| Processing Incoming EDI Sub-System | This field wi | l be filled with th | ne constant value 'SA | \1_END'. | |
| ERP LN | None | | | | |
| | | | | | |

SA2 Release Header

| Status: | Mandatory |
|--------------|--|
| Frequency: | Once by Release |
| Description: | This data record contains all information of the Release Header except of text data, and it is related to SA1. |

| Load I | Information - In- | -house | For | mat | Mapping from Application Ta Fields (out) | | Mapping to Ap Table Fields (ir | |
|--------|------------------------|--------|-----|------|--|--------|-----------------------------------|-------------------------------------|
| Pos | Field Description | Кеу | ST | FM | Table field | Action | Table field | Action |
| 1 | Kind of data record | I | М | an3 | | | SA2 | |
| 2 | Message Reference | I | М | an35 | | | ecedi702.bano | Generation by EDI Sub- System |
| 3 | (Net) ID of Sender | I | М | an17 | | | tdsls312.ofbp | Conversion (see below) |

| | l Information - In-h | ouso For | mat | Mapping from Application Table Fields (out) | Mapping to Ap Table Fields (ir | |
|----|--|----------|-----|---|-----------------------------------|------------|
| 4 | Customer Release No. | M | an9 | | tdsls312.crln | <u>y</u> |
| 5 | Customer Release revision | М | n4 | | tdsls312.crlr | |
| 6 | Release type | М | an6 | | tdsls312.rtyp | |
| 7 | | | | | | |
| 8 | | | | | | |
| 9 | | | | | | |
| 10 | Qualifier for Warehouse / Ship-To BP | Μ | an6 | | STBP | |
| 11 | | | | | | |
| 12 | Ship-to-Address | М | an6 | | tdsls312.stad | Conversion |
| 13 | Shipment/delivery based | М | n1 | | tdsls312.sodb | Conversion |
| 14 | Schedule quantity qualifier | М | an1 | | tdsls312.qqal | Conversion |
| 15 | Forecast Horizon Start Date | С | n22 | | tdsls312.fohs | |
| 16 | Forecast Horizon End Date | С | n22 | | tdsls312.fohe | |
| 17 | Generation Date | М | n22 | | tdsls312.egdt | |
| 18 | Qualifier Address Code | С | an6 | | ZZ | |
| 19 | Warehouse / Ship-to BP | М | an6 | | tdsls312.stpb | Conversion |
| 20 | Data Record End Sign | I M | an7 | | SA2_END | |

| Detailed description: | Pick-up Sheet | |
|---------------------------------------|---|-----------------------|
| Kind of data record: | SA2 Release Header | |
| Position 1 | Field Format an3 | Field Status M |
| Field Name | Kind of Data Record | Key field IN |
| Description | This field identifies the kind of block. It contains the constant | • |
| Processing outgoing EDI Sub-System | | |
| ERP LN | | |
| Processing Incoming EDI Sub-System | This field will be filled with the | constant value 'SA2'. |
| ERP LN | None | |

| Position 2 | Field Format an | 35 Field Status M |
|---------------------------------------|---------------------------|---|
| Field Name | Message Reference | Key field IN |
| Description | Sheet Release. The number | nected data records of one Pick-up ering, which has to be clear by PUS logical order of the PUS and the |
| Processing outgoing EDI Sub-System | | |
| ERP LN | | |
| Processing Incoming EDI Sub-System | | erates this number to identify a Pick- es it into all data records of a PUS. |
| ERP LN | Mapping to ERP LN table f | ield ecedi702.bano. |

| Position | 3 | Field Format | an17 | Field Status | М |
|-----------------|---|--|--------------|-------------------------|------------|
| Field Name | | (Net) ID of sender | | Key field In | |
| Description | | This field contains th the ILN Number) | ne identific | ation of the sender (fo | or example |
| Processing outo | | | | | |
| ERP LN | | | | | |

| Position | 3 | Field Format | an17 | Field Status | М |
|-----------------------------------|---|--|------|--------------|---|
| Field Name | | (Net) ID of sender | | Key field In | |
| Processing Inco EDI Sub-Syster | • | | | | |
| ERP LN | | The identification of the sender determines the corresponding business partner (customer) and the network in the table ecedi028 'Relations by network'. This identification is mapped to the ERP LN table field tdsls312.ofbp. Pos. 18 is used as first qualifier, pos. 8 as second qualifier. | | | |

| Position 4 | Field Format | an9 Field Status | М |
|---------------------------------------|--------------------------------------|-------------------------------------|------|
| Field Name | Release Number | | |
| Description | This field contains the o schedules. | rigin Release Number of the rela | ated |
| Processing outgoing EDI Sub-System | | | |
| ERP LN | | | |
| Processing Incoming EDI Sub-System | Transmission of the val | ue from the message file. | |
| ERP LN | Mapping to ERP LN tal | ble field tdsls312.crln; the custon | ner |

| Position | 5 | Field Format | n4 | Field Status | М |
|-----------------------------------|-----|---|-----------|--------------------------|---|
| Field Name | | Release Revision Number | <u>er</u> | | |
| Description | | This field contains the Rel | ease | Revision Number. | |
| Processing out | 0 0 | | | | |
| ERP LN | | | | | |
| Processing Inco EDI Sub-Syster | • | Transmission of the value | from | the message file. | |
| ERP LN | | Mapping to ERP LN table release revision. | field | tdsls312.crlr; customer' | S |

| Position 6 | Field Format Field Status M an6 |
|---------------------------------------|---|
| Field Name | Release Type |
| Description | This field contains the Release Type to identify the kind of schedules. |
| Processing outgoing EDI Sub-System | |
| ERP LN | |
| Processing Incoming EDI Sub-System | Transmission of the value from the message file. |
| ERP LN | Mapping to ERP LN table field tdsls312.rtyp |

| Position 10 | Field Format an6 | Field Status M | | |
|---------------------------------------|--|--------------------------|--|--|
| Field Name | Qualifier Ship-to-BP | | | |
| Description | This position contains the qualifier to identify the Business partner. | | | |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | Transmission of the value from | n the message file. | | |
| ERP LN | Field can be used as qualifier | 2 on field tdsls312.stbp | | |

| Position | 12 | Field Format | an6 | Field Status | М |
|-----------------------------------|----|--|----------|----------------------------|-----|
| Field Name | | Ship-To Address | | | |
| Description | | This field contains the sh | nip-to a | ddress code. | |
| Processing out EDI Sub-Syster | | | | | |
| ERP LN | | | | | |
| Processing Inco EDI Sub-Syster | 0 | Transmission of the valu | e from | the message file. | |
| ERP LN | | It is mapped to tdsls312. Position 18 is used as qu | | Conversion table is ecedi3 | 63. |

| Position 13 | Field Format n1 Field Status M |
|---------------------------------------|--|
| Field Name | Shipment or delivery based |
| Description | This field identifies whether the goods need to be picked or delivered. Based on this value the delivery date of the goods will be calculated. |
| Processing outgoing EDI Sub-System | |
| ERP LN | |
| Processing Incoming EDI Sub-System | Transmission of the value from the message file |
| ERP LN | This field is mapped to table field tdsls312.sodb Conversion table is ecedi351. If conversion not found then error message is given. |

| Position | 14 | Field Format an1 | Field Status | Μ |
|-----------------------------------|----|---|----------------------------|-----|
| Field Name | | Schedule Quantity Qualifier | | |
| Description | | This field identifies the quantity qualifier of the schedule. It communicates whether the quantity is cumulative or discrete. | | |
| Processing outgoe EDI Sub-System | • | | | |
| ERP LN | | | | |
| Processing Inco EDI Sub-System | • | Transmission of the value from | the message file | |
| ERP LN | | This field is mapped to table fie table is ecedi352. If conversion is given. Constant values 'A' a values. | not found then error messa | age |

| Position | 15 | Field Format n22 | Field Status | С |
|-------------|----|-----------------------------------|--------------------------------|---------|
| Field Name | | Forecast Horizon Sta | rt Date | |
| Description | | This field identifies the release | start date for the requirement | s under |

| Position 15 | Field Format Field Status | С |
|---------------------------------------|---|---|
| Field Name | Forecast Horizon Start Date | |
| Processing outgoing EDI Sub-System | | |
| ERP LN | | |
| Processing Incoming EDI Sub-System | Transmission of the value from the message file | |
| ERP LN | This field is mapped to table field tdsls312.fohs | |

| Position 16 | Field Format n22 | Field Status C |
|---------------------------------------|--|------------------------------|
| Field Name | Forecast Horizon End Date | |
| Description | This field identifies the end date release | e for the requirements under |
| Processing outgoing EDI Sub-System | | |
| ERP LN | | |
| Processing Incoming EDI Sub-System | Transmission of the value from | the message file |
| ERP LN | This field is mapped to table fie | ld tdsls312.fohe |

| Position 17 | Field Format Field Status n22 | м |
|---------------------------------------|---|---|
| Field Name | Generation Date | |
| Description | This field identifies the release generation date | |
| Processing outgoing EDI Sub-System | | |
| ERP LN | | |
| Processing Incoming EDI Sub-System | Transmission of the value from the message file | |
| ERP LN | This field is mapped to table field tdsls312.egdt | |

| Position 18 | Field Format an6 | Field Status | М | | |
|---------------------------------------|--------------------------|--|---------|--|--|
| Field Name | Qualifier Address Cod | l <u>e</u> | | | |
| Description | Address code which is c | This position is used to store the default qualifier 1 for the Address code which is defined in the message definition. It can be used to identify the sender, ship-to warehouse and ship-to address. | | | |
| Processing outgoing EDI Sub-System | | | | | |
| ERP LN | | | | | |
| Processing Incoming EDI Sub-System | | | | | |
| ERP LN | The field can be used as | ith the constant value "ZZ". s (first) qualifier on field dsls312.stad (pos. 12); tdsls3 | 12.stbp | | |

| Position | 19 | Field Format | an6 Field Status | М |
|---|----|------------------------------|--|---|
| Field Name | | <u>Warehouse / Ship-To B</u> | <u>P</u> | |
| Description This field contains the ship-to address code. | | | | |
| Processing outge EDI Sub-System | 0 | | | |
| ERP LN | | | | |
| Processing Inco EDI Sub-System | 0 | Transmission of the valu | e from the message file. | |
| ERP LN | | | stbp. Conversion table is ecedi3 Jalifier 1, position 10 as qualifier | |

| Position 20 | Field Format | an7 | Field Status | М |
|---------------------------------------|-----------------|-------------|---|-------|
| Field Name | Data Record end | <u>sign</u> | | |
| Description | | | data record in the mes value 'SA2_END'. | ssage |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |

| Position | 20 | Field Format | an7 | Field Status | М |
|-----------------------------------|----|--------------------------|------------|-----------------------|------|
| Field Name | | Data Record end s | <u>ign</u> | | |
| Processing Inco EDI Sub-Syster | • | This field will be fille | d with the | constant value 'SA2_E | ND'. |
| ERP LN | | None | | | |

SA3 PUS Header Shipment Reference

| Status: | Mandatory |
|--------------|--|
| Frequency: | Multiple by Release |
| Description: | This data record contains all information of the PUS Header except of text data, and it is related to SA2. |

| Load Information - In-house Format | | | | ormat | Mapping from Application Ta (out) | ble Fields | Mapping to Apj Table Fields (in | |
|------------------------------------|---------------------------------|-----|----|-------|---|------------|------------------------------------|-------------------------------------|
| Pos | Field Description | Key | ST | FM | Table field | Action | Table field | Action |
| 1 | Kind of data record | Ι | Μ | an3 | | | SA3 | |
| 2 | Message Reference | I | М | an35 | | | ecedi702.bano | Generation by EDI Sub- System |
| 3 | (Net) ID of Sender | Ι | Μ | an17 | | | tdsls312.ofbp | Conversion (see below) |
| 4 | Release No. | Ι | М | an9 | | | tdsls312.orln | |
| 5 | Release revision | I | М | n4 | | | tdsls312.crlr | |
| 6 | Customer Release Position | | М | an6 | | | tdsls316.cpon | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |

| Load Information - In-house Format | | | ormat | Mapping from Application Table Fields (out) | Mapping to App Table Fields (in | |
|------------------------------------|---------------------------|-----|-------|---|------------------------------------|------------|
| 9 | Shipment Reference | М | an35 | | tdsls309.refs | |
| 10 | Qualifier Carrier | М | an6 | | ZZ | |
| 11 | Carrier | М | an3 | | tdsls309.cfrw | Conversion |
| 12 | Requirement Start Date | М | n22 | | tdsls309.sdat | |
| 13 | Requirement End Date | М | n22 | | tdsls309.edat | |
| 14 | Receipt Date | С | n22 | | tdsls309.rdat | |
| 15 | | | | | | |
| 16 | Data Record End Sign | I M | an7 | | SA3_END | |

| Detailed description: Pick-up Sheet | | | | | |
|---------------------------------------|---|----------|-----------------------|--|--|
| Kind of data record: | SA3 PUS Header Shipment Reference | | | | |
| Position 1 | Field Format an3 Field Status I | | | | |
| Field Name | Kind of Data Record | <u>k</u> | Key field IN | | |
| Description | This field identifies the kind of data record in the message block. It contains the constant value 'SA3'. | | | | |
| Processing outgoing EDI Sub-System | | | | | |
| ERP LN | | | | | |
| Processing Incoming EDI Sub-System | This field will be filled | with the | constant value 'SA3'. | | |
| ERP LN | None | | | | |

| Position 2 | Field Format | an35 | Field Status | М |
|---------------------------------------|---|--|--|--------------------|
| Field Name | Message Reference | <u>)</u> | Key field IN | |
| Description | This field identifies al Sheet release. The n helps to control the c complete transmissio | umbering hronologi | , which has to be cle | ar by PUS, |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | | | | |
| ERP LN | Analogously to data | record SA | 2 | |
| Position 3 | Field Format | an17 | Field Status | М |
| Field Name | (Net) ID of sender | | Key field IN | |
| Description | This field contains the the ILN Number) | e identifica | ation of the sender (f | or example |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | | | | |
| ERP LN | The identification of t business partner (cus ecedi028 'Relations I to the ERP LN table qualifier, pos. 8 as se | stomer) ar by networl field tdsls3 | nd the network in the <'. This identification 312.ofbp. Pos. 18 is | table is mapped |
| Position 4 | Field Format | an9 | Field Status | М |
| Field Name | Release Number | | Key field IN | |
| Description | This field contains the schedules. | e origin R | - | e related |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |

ERP LN

| Position 4 | Field Format | an9 Field Status | М |
|---------------------------------------|--|-----------------------------------|---------|
| Field Name | Release Number | Key field IN | |
| Processing Incoming EDI Sub-System | Transmission of the v | value from the message file. | |
| ERP LN | This field is mapped to customer release | to ERP LN table field tdsls312.cr | ln; the |

| Position | 5 | Field Format | n4 | Field Status | М |
|-----------------------------------|-----|--|-----------|----------------------------|---|
| Field Name | | Release Revision Numbe | <u>er</u> | Key field Out/in | |
| Description | | This field contains the Rele | ease | Revision Number. | |
| Processing out EDI Sub-Syster | • • | | | | |
| ERP LN | | | | | |
| Processing Inco EDI Sub-Syster | 0 | Transmission of the value | from | the message file. | |
| ERP LN | | This field is mapped to ER customer's release revision | | table field tdsls312.crlr; | |

| Position 6 | Field Format Field Status M an6 |
|---------------------------------------|--|
| Field Name | Customer Release Position |
| Description | This field contains the Release Revision. |
| Processing outgoing EDI Sub-System | |
| ERP LN | |
| Processing Incoming EDI Sub-System | Transmission of the value from the message file. |
| ERP LN | This field is mapped to ERP LN table field tdsls316.cpon |

| Position | 9 | Field Format Field Status M an35 | |
|-------------|---|---|--|
| Field Name | | Shipment Reference | |
| Description | | This field contains the Shipment Reference (PUS number) | |

| Position | 9 | Field Format an35 | Field Status | М |
|---------------------------------|-----|---------------------------|-------------------------------|-----|
| Field Name | | Shipment Reference | | |
| Processing out EDI Sub-Syste | 0 0 | | | |
| ERP LN | | | | |
| Processing Inc EDI Sub-Syste | | Transmission of the valu | e from the message file. | |
| ERP LN | | This field is mapped to E | ERP LN table field tdsls309.r | efs |

| Position | 10 | Field Format | an6 | Field Status | М |
|-----------------------------------|-----|--|---------|---|-----|
| Field Name | | Qualifier Carrier | | | |
| Description | | This field contains the qu | alifier | for the carrier. | |
| Processing outo | 5 0 | | | | |
| ERP LN | | | | | |
| Processing Inco EDI Sub-Syster | 0 | Transmission of the value | e from | the message file | |
| ERP LN | | This field will be filled wit be used as qualifier on fi | | constant value "ZZ". Field (Is309.cfrw. | can |

| Position 11 | Field Format an3 | Field Status M |
|---------------------------------------|--|-----------------------------------|
| Field Name | <u>Carrier</u> | |
| Description | This field contains the Carrier | code. |
| Processing outgoing EDI Sub-System | | |
| ERP LN | | |
| Processing Incoming EDI Sub-System | Transmission of the value from | the message file. |
| ERP LN | This field is mapped to ERP LI conversion. | N table field tdsls309.cfrw after |

| Position | 12 | Field Format n22 | Field Status | М |
|-----------------------------------|----|---------------------------|---------------------------------|------|
| Field Name | | Requirement Start Da | ite | |
| Description | | This field includes the S | Start date for the requirements | |
| Processing outg EDI Sub-System | • | | | |
| ERP LN | | | | |
| Processing Inco EDI Sub-System | | Transmission of the va | lue from the message file | |
| ERP LN | | This field is mapped to | ERP LN table field tdsls309.sc | dat. |
| | | | | |
| Position | 13 | Field Format n22 | Field Status | М |
| Field Name | | Requirement End Dat | <u>e</u> | |
| Description | | This field includes the I | End date for the requirements. | |
| Processing outg EDI Sub-System | - | | | |
| ERP LN | | | | |
| Processing Inco EDI Sub-System | - | Transmission of the va | lue from the message file | |
| ERP LN | | This field is mapped to | ERP LN table field tdsls309.e | dat. |
| | | | | |
| Position | 14 | Field Format n22 | Field Status | С |
| Field Name | | Receipt Date | | |
| Description | | This field includes the r | receipt date | |
| Processing outg EDI Sub-System | • | | | |
| ERP LN | | | | |
| Processing Inco EDI Sub-System | • | Transmission of the va | lue from the message file | |
| ERP LN | | | ERP LN table field tdsls309.rd | 1.1 |

| Position | 16 | Field Format | an7 | Field Status | М |
|-----------------------------------|----|--|-------------|--|------|
| Field Name | | Data Record end | <u>sign</u> | | |
| Description | | This field identifies block. It contains the | | data record in the mess value 'SA3_END'. | sage |
| Processing out EDI Sub-Syster | | | | | |
| ERP LN | | | | | |
| Processing Inco EDI Sub-Syster | • | This field will be fill | ed with the | constant value 'SA3_E | ND'. |
| ERP LN | | None | | | |

SA4 PUS Lines - Item

| Status: | Mandatory |
|--------------|--|
| Frequency: | Multiple by Release Position |
| Description: | This data record contains the information about the Release Position Details including the Schedule Lines, and it is related to SA3. |

| Load Information - In-house Format | | | | Mapping from Application Table Fields (out) | | | Mapping to Application Table Fields (in) | |
|---------------------------------------|------------------------|-----|----|---|-------------|--------|---|-------------------------------------|
| Pos | Field Description | Key | ST | FM | Table field | Action | Table field | Action |
| 1 | Kind of data record | Ι | М | an3 | | | SA4 | |
| 2 | Message Reference | I | М | an35 | | | ecedi702.bano | Generation by EDI Sub- System |
| 3 | Net ID of Sender | Ι | М | an17 | | | ecedi702.bpid | Conversion (see below) |
| 4 | Release No. | I | М | an9 | | | tdsls312.crln | |
| 5 | Release revision | I | М | n4 | | | tdsls312.crlr | |

| Load Information - In-house Format | | | | | Mapping from Application Table Fields (out) | Mapping to Application Table Fields (in) | | |
|---------------------------------------|----------------------------------|---|---|------|---|---|------------|--|
| 6 | Release Position | I | Μ | an6 | | tdsls316.cpon | | |
| 7 | Customer Schedule Number | I | М | an30 | | tdsls316.cchn | | |
| 8 | Customer Schedule Position | | М | an14 | | tdsls316.cchp | | |
| 9 | ltem Qualifier | | М | an6 | | ZZ or BP | | |
| 10 | Item | | М | an47 | | tdsls316.item | Conversion | |
| 11 | Quantity | | М | n19 | | tdsls316.qoor | | |
| 12 | Qualifier Sales Unit | | М | an6 | | ZZ or BP | | |
| 13 | Sales Unit | | М | an3 | | tdsls316.cuqs | Conversion | |
| 14 | Reference | | С | an30 | | tdsls316.refe | | |
| 15 | Dock Location | | С | an30 | | tdsls316.dock | | |
| 16 | Qualifier Ship-To Address | | М | an6 | | ZZ or BP | | |
| 17 | Ship-To Address | | М | an9 | | tdsls316.stad | Conversion | |
| 18 | Qualifier Delivery Point | | М | an6 | | ZZ or BP | | |
| 19 | Delivery Point | | Μ | an9 | | tdsls316.dlpt | Conversion | |
| 30 | Additional Information | | С | an30 | | tcstl210.fd01 | | |
| 31 | Additional Information | | С | an30 | | tcstl210.fd02 | | |
| 32 | Additional Information | | С | an30 | | tcstl210.fd03 | | |

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| Load Form | Information - I | In-hou | use | | Mapping from Application Table Fields (out) | Mapping to Application Table Fields (in) |
|--------------|---------------------------|--------|-----|------|---|---|
| 33 | Additional Information | | С | an30 | | tcstl210.fd04 |
| 34 | Additional Information | | С | an30 | | tcstl210.fd05 |
| 35 | Additional Information | | С | an30 | | tcstl210.fd06 |
| 36 | Additional Information | | С | an30 | | tcstl210.fd07 |
| 37 | Additional Information | | С | an30 | | tcstl210.fd08 |
| 38 | Additional Information | | С | an30 | | tcstl210.fd09 |
| 39 | Additional Information | | С | an30 | | tcstl210.fd10 |
| 40 | Data Record End Sign | I | М | an7 | | "SA4_END" |

| Detailed description: | Pick-up Sheet | | | |
|---------------------------------------|---|-----------------------|----------------------|-----|
| Kind of data record: | SA4 PUS Lines - It | SA4 PUS Lines - Items | | |
| Position 1 | Field Format a | in3 | Field Status | М |
| Field Name | Kind of Data Record | | Key field IN | |
| Description | This field identifies the kind of data record in the message block. It contains the constant value 'SA4'. | | | age |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | This field will be filled w | rith the c | onstant value 'SA4'. | |
| ERP LN | None | | | |

| Position 2 | Field Format | an35 | Field Status | М |
|---------------------------------------|-------------------------------------|---------------------------|--|-----------|
| Field Name | Message Referenc | e | Key field IN | |
| Description | Sheet release. The | numbering, chronologic | d data records of on which has to be clea al order of the Pick-u | ar by PUS |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | | | | |
| ERP LN | Refer to data record | I SA3 | | |
| | | | | |
| Position 3 | Field Format | an17 | Field Status | М |
| Field Name | (Net) ID of sender | | Key field IN | |
| Description | This field contains the ILN Number) | he identifica | tion of the sender (fo | or examp |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | | | | |
| ERP LN | Refer to data record | SA3 | | |
| | | | | |
| Position 4 | Field Format | an9 | Field Status | М |
| Field Name | Release Number | | Key field IN | |
| Description | This field contains th schedules. | he origin Re | elease Number of the | e related |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming | | | | |
| EDI Sub-System | | | | |

| Position 5 | Field Format n4 Field Status M |
|---------------------------------------|--|
| Field Name | Release Revision Number Key field IN |
| Description | This field contains the Release Revision Number. |
| Processing outgoing EDI Sub-System | |
| ERP LN | |
| Processing Incoming EDI Sub-System | Transmission of the value from the message file. |
| ERP LN | Refers to data record SA3 |

| Position 6 | Field Format an6 | Field Status | Μ |
|---------------------------------------|----------------------------|---|------|
| Field Name | Release Position | Key field IN | |
| Description | This field contains the Re | This field contains the Release Position. | |
| Processing outgoing EDI Sub-System | | | |
| ERP LN | | | |
| Processing Incoming EDI Sub-System | Transmission of the value | e from the message file. | |
| ERP LN | This field is mapped to E | RP LN table field tdsls316. | cpon |

| Position 7 | Field Format an30 | Field Status M |
|---------------------------------------|---------------------------------|-----------------------------|
| Field Name | Customer Schedule Number | Key field In |
| Description | This position contains the Cust | omer Schedule Number |
| Processing outgoing EDI Sub-System | | |
| ERP LN | | |
| Processing Incoming EDI Sub-System | Transmission of the value from | the message file. |
| ERP LN | This field is mapped to ERP LN | V table field tdsls316.cchn |

| Position 8 | Field Format an14 | Field Status | М | |
|--|--|--|---|--|
| Field Name | Customer Schedule P | osition | | |
| Description | • | the position of a schedule line each release line detail refers on number. | | |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | Transmission of the val | Transmission of the value from the message file. | | |
| ERP LN | This field is mapped to | This field is mapped to ERP LN table field tdsls316.cchp | | |
| | | | | |
| Position 9 | Field Format | Field Status | М | |
| | an6 | rielu Status | | |
| Field Name | | | | |
| | an6 Item Qualifier | he qualifier for the Item. | | |
| Field Name | an6 Item Qualifier | | | |
| Field Name Description Processing outgoing | an6 Item Qualifier | | | |
| Field Name Description Processing outgoing EDI Sub-System | an6 <u>Item Qualifier</u> This position contains t | | | |

| Position 10 | Field Format an47 | Field Status | М |
|---------------------------------------|-------------------------------------|----------------------------------|---------|
| Field Name | <u>ltem</u> | | |
| Description | This position contains t | he Item code. | |
| Processing outgoing EDI Sub-System | | | |
| ERP LN | | | |
| Processing Incoming EDI Sub-System | Transmission of the val | lue from the message file. | |
| ERP LN | This field is mapped to conversion. | ERP LN table field tdsls316.iter | n after |

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| Position 11 | Field Format n19 | Field Status | Μ |
|---------------------------------------|---|------------------|---|
| Field Name | <u>Quantity</u> | | |
| Description | This field includes the required quantity referring to the schedule line. | | |
| Processing outgoing EDI Sub-System | | | |
| ERP LN | | | |
| Processing Incoming EDI Sub-System | Transmission of the value from | the message file | |
| ERP LN | This field is mapped to table fie | ld tdsls316.qoor | |

| Position 12 | Field Format Field Status M an6 |
|---------------------------------------|---|
| Field Name | Qualifier Sales Unit |
| Description | This field contains the Qualifier which identifies the Sales Unit of position 13. |
| Processing outgoing EDI Sub-System | |
| ERP LN | |
| Processing Incoming EDI Sub-System | Transmission of the value from the message file. |
| ERP LN | This field will be filled with the constant value "ZZ" or "BP". Field can be used as qualifier on field tdsls316.cuqs. |

| Position 13 | Field Format an3 | Field Status | М |
|---------------------------------------|-------------------------|----------------------------|---|
| Field Name | Sales Unit | | |
| Description | This field contains the | item's Sales Unit. | |
| Processing outgoing EDI Sub-System | | | |
| ERP LN | | | |
| Processing Incoming EDI Sub-System | Transmission of the va | lue from the message file. | |

| Position | 13 | Field Format an3 | Field Status | Μ |
|------------|----|---|-----------------------------|-------|
| Field Name | | <u>Sales Unit</u> | | |
| ERP LN | | This field is mapped to ERP L conversion. | N table field tdsls316.cuqs | after |

| Position 14 | Field Format an30 | Field Status | С |
|---------------------------------------|------------------------------|-------------------------------|---|
| Field Name | <u>Reference</u> | | |
| Description | This field contains a Refere | ence. | |
| Processing outgoing EDI Sub-System | | | |
| ERP LN | | | |
| Processing Incoming EDI Sub-System | Transmission of the value f | from the message file. | |
| ERP LN | This field is mapped to ERI | P LN table field tdsls316.ref | е |

| Position 15 | Field Format an30 | Field Status C | ; |
|---------------------------------------|---|--|-----|
| Field Name | Dock Location | | |
| Description | This field contains to deliver the good | the Dock Location to which the supplier h ls. | nas |
| Processing outgoing EDI Sub-System | | | |
| ERP LN | | | |
| Processing Incoming EDI Sub-System | Transmission of th | e value from the message file. | |
| ERP LN | This field is mappe | ed to ERP LN table field tdsls316.dock | |

| Position | 16 | Field Format an6 | Field Status | М |
|-------------|----|--|------------------------------|----|
| Field Name | | Qualifier Ship-To Address | | |
| Description | | This field contains the Qualifie Address of position 17. | r which identifies the Ship- | То |

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| Position | 16 | Field Format an6 | Field Status | М | | | |
|-------------------------------|----|---|---|------------|--|--|--|
| Field Name | | Qualifier Ship-To Add | Qualifier Ship-To Address | | | | |
| Processing of EDI Sub-Syst | | | | | | | |
| ERP LN | | | | | | | |
| Processing In EDI Sub-Syst | • | Transmission of the val | ue from the message file. | | | | |
| | | | rith the constant value "ZZ" o ualifier on field tdsls316.stad | | | | |
| | | | | | | | |
| Position | 17 | Field Format an9 | Field Status | Μ | | | |
| Field Name | | Ship-To Address | | | | | |
| Description | | This field contains the S has to deliver the good | Ship-To Address to which the s. | e supplier | | | |
| Processing of EDI Sub-Syst | | | | | | | |
| ERP LN | | | | | | | |
| Processing In EDI Sub-Syst | • | Transmission of the val | ue from the message file. | | | | |
| ERP LN | | This field is mapped to conversion. | ERP LN table field tdsls316. | stad after | | | |
| Position | 18 | Field Format | Field Status | м | | | |
| Field Name | | an6 | | | | | |
| | | | Qualifier Delivery Point | | | | |
| Description | | Point of position 19. | Qualifier which identifies the l | Delivery | | | |
| Processing of EDI Sub-Syst | | | | | | | |
| ERP LN | | | | | | | |
| Processing In EDI Sub-Syst | • | Transmission of the val | ue from the message file. | | | | |

| Position | 18 | Field Format an6 | Field Status | М |
|------------|----|-------------------------|---|-------|
| Field Name | | Qualifier Delivery Poin | <u>t</u> | |
| ERP LN | | | th the constant value "ZZ" or alifier on field tdsls316.dlpt. | "BP". |

| Position | 19 | Field Format an9 | Field Status | М |
|-----------------------------------|-----|--|-------------------------------|-------|
| Field Name | | Delivery Point | | |
| Description | | This field contains the Delivery to deliver the goods. | Point to which the supplie | r has |
| Processing out EDI Sub-Syster | 5 0 | | | |
| ERP LN | | | | |
| Processing Inco EDI Sub-Syster | • | Transmission of the value from | the message file. | |
| ERP LN | | This field is mapped to ERP LN conversion. | I table field tdsls316.dlpt a | fter |

| Position 40 | Field Format | an7 | Field Status | М |
|---------------------------------------|---|-------------|---|-------|
| Field Name | Data Record end | <u>sign</u> | Key field IN | |
| Description | This field identifies block. It contains th | | data record in the mes value 'SA4_END'. | sage |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | This field will be fille | ed with the | constant value 'SA4_I | END'. |
| ERP LN | None | | | |

SA5 Schedule Text

| Status: | Conditional |
|--------------|---|
| Frequency: | Once by Release Position |
| Description: | This data record contains the text information of the PUS Header and is related to SA3. |

| Load | Information - | In-hou | use F | ormat | Mapping from Application Ta (out) | ble Fields | Mapping to App Table Fields (in | |
|------|----------------------------------|--------|-------|-------|---|------------|------------------------------------|-------------------------------------|
| Pos | Field Description | Key | ST | FM | Table field | Action | Table field | Action |
| 1 | Kind of data record | Ι | М | an3 | | | SA5 | |
| 2 | Message Reference | I | М | an35 | | | ecedi702.bano | Generation by EDI Sub- System |
| 3 | (Net) ID of Sender | Ι | М | an17 | | | ecedi702.bpid | Conversion (see below) |
| 4 | Release No. | I | М | an9 | | | tdsls312.crln | |
| 5 | Release revision | I | М | n4 | | | tdsls312.crlr | |
| 6 | Release Position | I | М | an6 | | | tdsls316.cpon | |
| 7 | Original Schedule Number | I | М | an9 | | | tdsls316.cchn | |
| 8 | Customer Schedule Position | I | М | n4 | | | tdsls316.cchp | |
| 9 | Header text 1 | | С | an80 | | | tdsls316.txta | |
| 10 | Header text 2 | | С | an80 | | | tdsls316.txta | |
| 11 | Header text 3 | | С | an80 | | | tdsls316.txta | |
| 12 | Data Record End Sign | I | М | an7 | | | SA5_END | |

| Data Record Description by Type of Data Record | | | | | | |
|--|---|---------|-------------------------|---|--|--|
| Detailed description: | Pick-up Sheet | | | | | |
| Kind of data record: | SA5 Schedul | ct | | | | |
| Position 1 | Field Format a | n3 | Field Status | м | | |
| Field Name | Kind of Data Record | | Key field IN | | | |
| Description | This field identifies the kind of data record in the message block. It contains the constant value 'SA5'. | | | | | |
| Processing outgoing EDI Sub-System | | | | | | |
| ERP LN | | | | | | |
| Processing Incoming EDI Sub-System | This field will be filled wi | ith the | e constant value 'SA5'. | | | |
| ERP LN | None | | | | | |
| | | | | | | |

| Position | 2 | Field Format | an35 | Field Status | М |
|-----------------------------------|---|--|------------------------|-----------------------|------------|
| Field Name | | Message Reference | | Key field IN | |
| Description | | This field identifies al Sheet release. The n helps to control the c complete transmissio | umbering hronologic | , which has to be cle | ar by PUS, |
| Processing outg EDI Sub-System | | | | | |
| ERP LN | | | | | |
| Processing Inco EDI Sub-System | 0 | | | | |
| ERP LN | | Refer to data record | SA2 | | |

| Position 3 | Field Format | an17 | Field Status | М |
|---------------------------------------|---------------------------------------|--------------|-------------------------|------------|
| Field Name | (Net) ID of sender | | Key field IN | |
| Description | This field contains t the ILN Number) | he identific | ation of the sender (fo | or example |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |

| Position | 3 | Field Format | an17 | Field Status | М |
|---------------------------------------|---|----------------------|------|--------------|---|
| Field Name | | (Net) ID of sender | | Key field IN | |
| Processing Incoming EDI Sub-System | | | | | |
| ERP LN | | Refer to data record | SA2 | | |

| Position | 4 | Field Format | an9 Field Status | М |
|---------------------------------------|---|---|--------------------------------|---------|
| Field Name | | Release Number | Key field IN | |
| Description | | This field contains the origin Release Number of the related schedules. | | |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | | Transmission of the valu | le from the message file. | |
| ERP LN | | Mapping to ERP LN tab | ble field tdsls312.crln; the c | ustomer |

| Position | 5 | Field Format | n4 | Field Stat | us | М |
|---------------------------------------|---|--|------------|-------------|----------------|---|
| Field Name | | Release Revision Num | <u>ber</u> | Key field | IN | |
| Description | | This field contains the R | elease | Revision N | umber. | |
| Processing outgoing EDI Sub-System | | | | | | |
| ERP LN | | | | | | |
| Processing Inco EDI Sub-Systen | • | Transmission of the valu | ie from | the messa | ge file. | |
| ERP LN | | Mapping to ERP LN tab release revision. | le field | tdsls312.cr | Ir; customer's | |

| Position | 6 | Field Format | n4 Field Status | М |
|-------------|---|-------------------------|---------------------|---|
| Field Name | | Release Position | Key field IN | |
| Description | | This field contains the | e Release Position. | |

| Position | 6 | Field Format | n4 Field Status | М |
|-----------------------------------|-----|-------------------------|-------------------------------|-----|
| Field Name | | Release Position | Key field IN | |
| Processing out EDI Sub-Syster | • • | | | |
| ERP LN | | | | |
| Processing Inco EDI Sub-Syster | • | Transmission of the va | alue from the message file. | |
| ERP LN | | This field is mapped to | ERP LN table field tdsls316.0 | pon |

| Position 7 | Field Format an9 | Field Status M | | |
|---------------------------------------|----------------------------|---|--|--|
| Field Name | Schedule Number | Key field IN | | |
| Description | This position contains the | This position contains the original Schedule Number | | |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming EDI Sub-System | Transmission of the value | e from the message file. | | |
| ERP LN | This field is mapped to EF | RP LN table field tdsls316.cchn | | |

| Position 9 | Field Format an80 | Field Status C | |
|--|---|--------------------------------|--|
| Field Name | Header Text 1 | | |
| Description | This field contains a free te characters. | xt 1 with a maximum of 80 | |
| Processing outgoing EDI Sub-System | | | |
| ERP LN | | | |
| Processing Incoming Transmission of the value from the t EDI Sub-System | | rom the transmission file. | |
| ERP LN | This field is mapped to ER | P LN table field tdsls316.txta | |

| Position 10 | Field Format an80 | Field Status | С |
|---------------------------------------|---------------------------------------|----------------------------------|---|
| Field Name | Header Text 2 | | |
| Description | This field contains a fre characters. | ee text 2 with a maximum of 80 | |
| Processing outgoing EDI Sub-System | | | |
| ERP LN | | | |
| Processing Incoming EDI Sub-System | Transmission of the value | ue from the transmission file. | |
| ERP LN | This field is mapped to I | ERP LN table field tdsls316.txta | |

| Position 11 | Field Format an80 | Field Status 0 | С | |
|---|--|--|---|--|
| Field Name | Header Text 3 | | | |
| Description | This field contains a free characters. | e text 3 with a maximum of 80 | | |
| Processing outgoing EDI Sub-System | | | | |
| ERP LN | | | | |
| Processing Incoming Transmission of the value from the transmission file. EDI Sub-System | | ue from the transmission file. | | |
| ERP LN | This field is mapped to | This field is mapped to ERP LN table field tdsls316.txta | | |

| Position | 12 | Field Format | an7 | Field Status | М |
|---------------------------------------|----|--|------------|---|-----|
| Field Name | | Data Record end s | ign | Key field IN | |
| Description | | This field identifies t block. It contains the | | data record in the messag value 'SA5_END'. | le |
| Processing outgoing EDI Sub-System | | | | | |
| ERP LN | | | | | |
| Processing Inco EDI Sub-Syster | • | This field will be fille | d with the | constant value 'SA5_END |)'. |

Chapter 3 Definitions, Acronyms, and Abbreviations

| Term | Description |
|----------|---|
| ANSI X12 | American National Standards Institute Accredited Standards Committee X12; Standard definitions of American EDI Directories |
| BEM | Baan Electronic Message - abbreviated form of BEMIS used with the definition of the EDI organization |
| BEMIS | "BAAN Electronic Message Interchange System"; it is used for the ERP LN In-house EDI format |
| BP | Business Partner; used for Customer and Supplier |
| EDI | Electronic Data Interchange; electronic exchange of documents in standard formats |
| EDIFACT | Electronic Data Interchange for Administration, Commerce and Transport; Standard definitions of United Nations Directories |
| GLN | Global Location Number, a thirteen digit number used to identify legal entities, trading parties and locations. |
| ID | Identification |
| ILN | International Location Number; see GLN |
| PUS | Pick-up Sheet |
| VDA | The German Association of the Automotive Industry; Standard definitions of German EDI Directories |

Appendix A Sample File

A

Example Incoming message

"SA1"|"c1802010052105391800000000000003992"|"mjzc550"|"mjzc550"|"PUS001"|"BEMIS"|""|"PSR002520"|20100 521053919|||"BEMTST"||"SA1_END"

"SA2"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"4"|"Replace"|"OFBP"|"M JZ"|"STBP"|"MJZ"|"000000001"|"dl"|"A"|20100531000000|20100531235959|20100526170000|"ZZ"|"MJZ"|"SA2_END "

"SA3"|"c1802010052105391800000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON1"|"CCHN000000 723"|"CCHP1"|"**mjzshipref1_26_05_1**"|"ZZ"|"MZ1"|"20100527150000"|"20100528150000"|""||"SA3_END"

"SA5"|"c1802010052105391800000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON1"|"CCHN000000 723"|"CCHP1"|"text1_1"|""|"SA5_END"

"SA5"|"c1802010052105391800000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON1"|"CCHN000000 723"|"CCHP2"|"text1_2"|""|"SA5_END"

"SA3"|"c18020100521053918000000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON2"|"CCHN000000 724"|"CCHP1"|"**mjzshipref2_26_05_1**"|"ZZ"|"MZ1"|"20100527150000"|"20100528150000"|""||"SA3_END"

"SA5"|"c1802010052105391800000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON2"|"CCHN000000 724"|"CCHP1"|"text2_1"|""|"SA5_END"

"SA5"|"c1802010052105391800000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON2"|"CCHN000000 724"|"CCHP2"|"text2_2"|""|""|"SA5_END"