Baan

B E M I S

BAAN Electronic Message Interchange System

Message Type Trading Invoice

Definition of BEMIS 2.0 Inhouse Format (July 2002)

A publication of:

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Printed in the Netherlands

Document Information

Code:	U7135D US
Group:	User Documentation
Edition:	D
Date:	July 2002

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0   Revision Information

0.1   Changes from Version 1.0.a to 1.1.a

New Position has been added:

Data Record SA2 outgoing:

SA2.46: Invoice List Number
SA2.47: Invoice List Date
SA2.48: Invoice List Time
SA2.49: Discount Date (1)
SA2.50: Discount Date (2)
SA2.51: Discount Date (3)
SA2.52: Value date (loan proceeeds date)
SA2.53: Due Date
SA2.54: Original document number (might be used for: Self Billed Invoices, send back goods, reclamations)
SA2.55: Date of the original document number
SA2.56: Discount Percentage per Order Header
SA2.57: Data record end sign was moved from position SA2.46 to position SA2.57.

Data Record SA6 outgoing:
SA6.28: Quantity per Lot (in german: Gebinde) empty position
SA6.29: EAN Number of the lot item empty position
SA6.30: Country of Origin of the item (an..3) tiitm001.ctyo
SA6.31: Tax Code Qualifier constant „VAT"
SA6.32: Percentage of value added tax (an..6) tdsls041.cvat
SA6.33: VAT Tax Amount empty position
SA6.34: Lable Price empty position
SA6.35: Discount Percentage 1 (n..6) tdsls045.disc (1) NNN.NN
SA6.36: Discount Percentage 2 (n..6) tdsls045.disc (2) NNN.NN
SA6.37: Discount Percentage 3 (n..6) tdsls045.disc (3) NNN.NN
SA6.38: Discount Amount 1 (n..12) tdsls045.damt (1) NNNNNNN.NNNN
SA6.39 Discount Amount 2 (n..12) tdsls045.damt (2) NNNNNNN.NNNN
SA6.40 Discount Amount 3 (n..12) tdsls045.damt (3) NNNNNNN.NNNN
SA6.41: Discount Mode 1 (n..1) tdsls041.dmth(1)
SA6.42: Discount Mode 2 (n..1) tdsls041.dmth(2)
SA6.43: Discount Mode 3 (n..1) tdsls041.dmth(3)
SA6.44: Discount Discription 1 (an..20) tdsls041.cdis(1)
SA6.45: Discount Discription 2 (an..20) tdsls041.cdis(2)
SA6.46: Discount Discription 3 (an..20) tdsls041.cdis(3)
SA6.47: Discount Base Amount per dicount (1) empty position empty position
SA6.48: Discount Base Amount per dicount (2) empty position empty position
SA6.49: Discount Base Amount per dicount (3) empty position
SA6.50: Data record end sign was moved from SA6.28 to SA6.50:

0.2   Changes from Version 1.1.a to 2.0
Support of a new German legal requirement:
The company that renders the service must provide on each invoice its tax number, assigned by the local tax office.

The following changes have been made:

Data Record SA2 outgoing:
SA2.57: The Local Tax Number (tccom000.vatl) will be provided here in the outgoing message.
SA2.58: New positon for the record end marker "SA2_END" .

1   Introduction   5

1.1   Target group

This documentation describes in a detailed way the standard inhouse data formats, which the BAAN Electronic Message Interchange System BEMIS requires as interfaces to the respective EDI Sub-System.

The documentation is intended for developers of EDI Sub-Systems, which want to realize an interface of their software to BAAN IV. Furthermore, it supports consultants, who want to implement and verify such an interface within a customer project.

1.2   Structure of the documentation

Chapter 1 gives an overview over the general principles of the relevant EDI message. For example available kinds of data records, message structure, key fields and other conventions.

Chapter 2 describes all corresponding kinds of data records for the EDI message in a detailed way. All data fields are listed in an overview table in connection with the corresponding table fields. In addition, every single field is described in a more detailed way. You will find information about the general conditions, which you need to observe for the processing in the EDI Sub-System or in BAAN IV.

2   General principles

This section describes the BAAN EDI inhouse format for the message type *Trading Invoice (outgoing/incomming)*.

2.1   Message and DLLs
The corresponding message linked to organization BEM is called **EINVOI**.
The belonging DLLs are:

- tfacpdll1250 (incoming)
- tdslsdll4282 (outgoing)
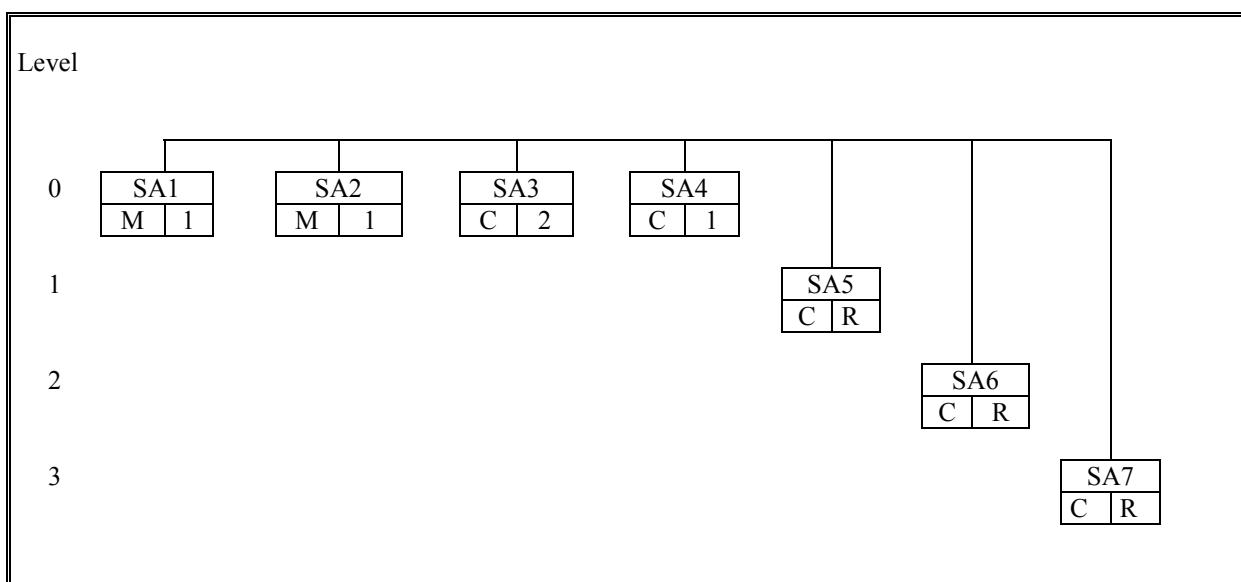
2.2   Available kinds of data records

The use of the following kinds of data records is conditional (C) respectively mandatory (M), when you transmit information about invoices.

Id	Status	Name
SA1	M	Overhead
SA2	M	Trading Invoice Header
SA3	C	Specific Invoice Addresses
SA4	C	Trading Invoice Text
SA5	C	Trading Invoice Tax Lines
SA6	C	Trading Invoice Order Lines
SA7	C	Trading Invoice Line's Specific Addresses

2.3   Branching diagramm

The following data record structure is used for the message type BEMIS - Invoice:

Level

0	SA1	SA2	SA3	SA4
	M	1	M	1	C	2	C	1

1   SA5 / C R

2   SA6 / C R

3   SA7 / C R

Legend:

Status: Frequency:
M: mandatory in message   1: once by message; 2: twice at maximum by message
C: conditional in message   R: repeatable by message

For example, for two required Invoices with each two lines the BEMIS file has the following structure:

```
SA1 ...  BAAN IV Overhead
SA2 ...  Trading Invoice Header 1
SA3 ...  Trading Invoice Specific Adresses Invoice 1
SA4 ...  Trading Invoice Text Invoice 1
SA5 ...  Trading Invoice Tax 1 Lines Invoice 1
SA5 ...  Trading Invoice Tax 2 Lines Invoice 1
SA6 ...  Trading Invoice Order Lines Invoice 1
SA7 ...  Trading Invoice Line's Specific Adress Invoice 1
SA6 ...  Trading Invoice Order Lines 2 Invoice 2


SA1 ...  BAAN IV Overhead
SA2 ...  Trading Invoice Header 2
SA3 ...  Trading Invoice Specific Addresses Invoice 2 (Del.)
SA3 ...  Trading Invoice Specific Addresses Invoice 2 (Inv.)
SA4...   Trading Invoice Text Invoice 2
SA5 ...  Trading Invoice Tax 1 Lines Invoice 2
SA5 ...  Trading Invoice Tax 1 Lines Invoice 2
SA6 ...  Trading Invoice Order Lines 1 Invoice 2
SA6 ...  Trading Invoice Order Lines 2 Invoice 2
SA7 ...  Trading Invoice Line Delivery Address 2 Invoice 2
```

Each order has one or more invoices. With this message type it is not possible to generate or recieve more then one order per invoice number.

2.4   Key fields outgoing

The following structure of the key fields is used to determine the related data records of an Invoice:

Kind of data record	Key field 1	Key field 2	Key field 3	Key field 4	Key field 5	Key field 6
SA1	Message Reference	Network Address				
SA2	Message Reference	Network Address				
SA3	Message Reference	Network Address	Trading Invoice Number Part 1	Trading Invoice Number Part 2		
SA4	Message Reference	Network Address	Trading Invoice Number Part 1	Trading Invoice Number Part 2		
SA5	Message Reference	Network Address	Trading Invoice Number Part 1	Trading Invoice Number Part 2		
SA6	Message Reference	Network Address	Trading Invoice Number Part 1	Trading Invoice Number Part 2	Trading Invoice Position Number	Trading Invoice Position Number
SA7	Message Reference	Network Address	Trading Invoice Number Part 1	Trading Invoice Number Part 2	Trading Invoice Position Number	Trading Invoice Position Number

2.5   Key fields incoming

The following structure of the key fields is used to determine the related data records of an Invoice message:

Kind of data record	Key field 1	Key field 2	Key field 3	Key field 4	Key field 4
SA1	Message Reference	Customer Network Address			
SA2	Message Reference	Customer Network Address			
SA3	Message Reference	Customer Network Address		Trading Invoice Number	
SA4	Message Reference	Customer Network Address		Trading Invoice Number	
SA5	Message Reference	Customer Network Address		Trading Invoice Number	
SA6	Message Reference	Customer Network Address		Trading Invoice Number	Trading Invoice Position Number

2.6   Network directories

The so-called network directories form the basis of the communication between the EDI Sub-System and BAAN IV. These directories are established in BAAN. The network basis directories for each network will be defined in the BAAN session SEtcedi0120m000. For the network BEMIS, the basis directories can be indicated in the following way:

${BSE}/edi/bemis/einvoice/

BAAN will additionally create the following subdirectories:

${BSE}/edi/bemis/einvoice/appl_from/
${BSE}/edi/bemis/einvoice/appl_to/
${BSE}/edi/bemis/einvoice/command/
${BSE}/edi/bemis/einvoice/store_recv/
${BSE}/edi/bemis/einvoice/store_sent/
${BSE}/edi/bemis/einvoice/trace/

The above mentioned directories have the following function:

1. **.../appl_from/**: In this directory, BAAN IV records the outgoing messages which are the defined BEMIS inhouse format files. The EDI Sub-System can collect them from here.
2. **.../appl_to/**: The EDI Sub-System writes the incoming message into this directory in the BAAN IV inhouse format.
3. **.../command/**: Directory of the semaphores.
4. **.../store_recv/**: BAAN IV stores in this directory processed incoming messages, if the configuration is accordingly. During this process an additional subdirectory by incoming message file will be created which is named with a date and time stamp indicating when the message was moved.
5. **.../store_sent/**: BAAN IV stores in this directory processed outgoing messages if the configuration is accordingly. During this process an additional subdirectory by incoming message file will be created which is named with a date and time stamp indicating when the message was moved.
6. **../trace/**: BAAN creates under this directory a log of the incoming and outgoing messages of the processing Invoice, if the configuration is accordingly.

For every message type one network directory will be used for outgoing and one for incoming messages. This means that one message file contains data for several business partners.

The file name of the BEMIS inhouse format file of the Invoice, which is being described in this documentation, is defined in the following way:

Direction	File name	Network directory
outgoing	einvoicout	../appl_from
incoming	einvoicin	../appl_to

2.7   BEMIS Messages - Conventions

The following general rules apply to a message record in a BEMIS message file:

1. Every message record starts with "SAx"
2. Every message record ends with "SAx_END"
3. The length of a data record can vary.
4. The message record must consist of all fields, even if not every field contains a value.
5. The fields in the file must be separated by a ; .
6. A filled string field have to be put in **"...."**.

In the following sections you will find the format descriptions for the individual kinds of data records of the interface file. The table contains the following data:

INVOICE INHOUSE FORMAT				
Pos	*FIELD DESCRIPTION*	*Key*	*ST*	*FM*

The first block of the table describes the format of a kind 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
	an..14 alphanumerical field with a maximum of 14 characters
	an14 alphanumerical field with exactly 14 characters
	n..10 numerical field with a maximum of 10 characters
	n1 numerical field with exactly 1 character

from Application Table Fields (out) / Mapping to (in)	
Table Field	*Action*

The second block of the table describes the corresponding table field in BAAN IV as well as possible special actions, which will be carried out during the processing of the messages.

When BAAN generates outgoing messages, the numerical fields are written into the inhouse format file without leading zeros. For example, for the year "0000" a "0" will be written into the BEMIS message file.

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 BAAN IV.

BEMIS   BAAN Electronic Message Interchange System

3   Data record description by kind of data record

3.1   SA1   MESSAGE OVERHEAD

Status :   Mandatory
Frequency :   Once by transmission
Description: This record supports the clear identification of the whole message.

	INVOICE INHOUSE FORMAT				Mapping from Application Table Fields (out)		Mapping to Application Fields (in)	
Pos	FIELD DESCRIPTION	Key	ST	FM	Table Field	Action	Table Field	Action
1.	Record type	O/I	M	an3	SA1		SA1	
2.	Message reference	O/I	M	an..14	tcedi701.bano	Generation (see below)	tcedi702.bano	Generation by EDI Sub-System
3.	Network address customer/supplier		M	an..17	tcedi028.neta	Conversion (see below)	tcedi702.reno	Conversion (see below)
4.	Our identification in the network		M	an..17	tcedi020.neta	Conversion (see below)	empty	
5.	Message		M	an..6	tcedi001.code	Conversion (see below)	tcedi702.mess	Conversion (see below)
6.	Organization		M	an..6	tcedi003.code	Conversion (see below)	tcedi702.orga	Conversion (see below)
7.	Order type		M	an..35	tcedi011.koor	Conversion (see below)	tcedi702.koor	Conversion (see below)
8.	Order reference		M	n..8	tdsls480.invn		tcedi702.msno	Conversion (see below)
9.	Transmission date		M	n.6	current date		tcedi702.send	
10.	Transmission time		M	n.4	current time		tcedi702.sent	
11.	Transmission number old		M	an..14	empty	here (...; ....)	tcedi702.prno	
12.	Record end sign		M	an7	SA1_END		SA1_END	

Detailed description:	Invoice
Kind of data record:	**SA1 Overhead**

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Kind of data record**		(Key field out/in)	

Description: This field identifies the kind of data record (record type) in the message block. It contains the constant value 'SA1'.

Processing outgoing

EDI Sub-System: .
BAAN: This field will be filled with the constant value 'SA1'.

Processing incoming

EDI Sub-System: This field will be filled with the constant value 'SA1'.
BAAN: None

Position	**2**	Field format	**an..14**	Field status	**M**
Field name		**Message reference**		(Key field out/in)	

Description: This field identifies all connected data records of one Invoice. The numbering, which has to be clear by Invoice, helps to control the chronological order of the Invoice and the complete transmission. The field consists of a fix item with four characters, the current date (format: YYMMDD) and a serial number with four characters.
The special format will be defined in the network parameters in the BAAN table TBtcedi020. When generating the message reference with the EDI Sub-System, the created message reference needs to be specific, that means unique. While storing the message reference BAAN controls whether it is specific.

Processing outgoing

EDI Sub-System:
BAAN: BAAN generates this number to identify an Invoice, stores it in the BAAN table field TFtcedi701.bano and writes it into all data records of an Invoice.

Processing incoming

EDI Sub-System: The EDI Sub-System generates this number to identify an Invoice and writes it into all data records of an Invoice.
BAAN: Mapping to BAAN table field TFtcedi702.bano.

Position	**3**	Field format	**an..17**	Field status	**M**
Field name		**Network address customer/supplier**		(Key field out/in)	

Description: This field contains on the outgoing side the network address of the customer on the incomming side the network address of the supplier.

Processing outgoing

EDI Sub-System: Transmission of the value from the message file.
BAAN: The network address is stored in the BAAN table TBtcedi028 'Relations by network' under the corresponding business partner (customer) and the corresponding network in the BAAN table field TFtcedi028.neta. The contents of this field is mapped to the position of the transmission file. Here you can store the general ILN-Number of the customer.

Processing incoming

EDI Sub-System:
BAAN: The network address determines the corresponding business partner (supplier) and the network in the table TBtcedi028 'Relations by network'. This identification is mapped to the BAAN table field TFtcedi702.reno.

Position	**4**	Field format	**an..17**	Field status	**M**
Field name		**Our identification in the network**			

Description: This field contains on the outgoing side our identification in the network.

Processing outgoing

EDI Sub-System:
BAAN: The department or company identification is stored in BAAN table TBtcedi020 'Networks' The BAAN table field TFtcedi020.neta is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**5**	Field format	**an..6**	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 'Invoice' is INVOIC.

Processing outgoing

EDI Sub-System:
BAAN: The internal message code tcedi001.code 'EINVOI' of the BAAN table TBtcedi001 'Supported EDI messages' is mapped to this position after Conversion to 'INVOIC'.

Processing incoming

| EDI Sub-System: | This field will be filled with the constant value 'INVOIC'. |
| BAAN: | The message code in the table TBtcedi001 'Supported EDI Messages' determines after Conversion, which internal message in BAAN is connected to this Invoice. In the BAAN table TBtcedi005 'EDI Messages' is determined for every message which session (Dll) is used in BAAN to process the Invoice. The message code is mapped to the BAAN table field TFtcedi702.mess. |

Position	6	Field format	**an..6**	Field status	**M**
Field name		**Organization**			

Description: This field contains the organization (Standard), which is used for the EDI communication.

Processing outgoing

EDI Sub-System:
BAAN: The internal organisation code tcedi003.code 'BEMIS' from the BAAN table TBtcedi003 'Organizations' is mapped to this position.

Processing incoming

EDI Sub-System: This field will be filled with the constant value 'BEMIS'.
BAAN: Mapping to BAAN table field TFtcedi702.orga.
                      The corresponding organization must have been entered into the BAAN table TBtcedi003.

Position	7	Field format	**an..35**	Field status	**M**
Field name		**Invoice type**			

Description: This field contains a code for the concerned Invoice type.

Processing outgoing

EDI Sub-System:
BAAN: In the BAAN table TBtcedi011 there must be an entry for this Invoice type in connection with the respective message and organization. The BAAN table field TFtcedi011.koor is mapped to this position. This field is filled with the EDIFACT Invoice types. For example "380" for normal Invoice. The inhouse Invoice type is converted in TBtcedi432.

Processing incoming

EDI Sub-System:
BAAN: Mapping to BAAN table field TFtcedi702.koor.
                      In the BAAN table TBtcedi200 there must be an entry for this Invoice type in connection with the respective message and organization.

Position	8	Field format	**an..35**	Field status	**M**
Field name		**Invoice Reference**			

Description: This field contains the reference code which the EDI Sub-System applied to this invoice (transmission).

Processing outgoing

EDI Sub-System:
BAAN: The invoice number (without invoice type) from BAAN table field TFtdsls480.invn is mapped to this position.

Processing incoming

EDI Sub-System: Transmission of the value from the transmission file.
BAAN: Mapping to BAAN table field TFtcedi702.msno. This field should contain the customer Invoice number.

Position	9	Field format	n..8	Field status	M
Field name		**Date of transmission**			

Description: This field contains on the outgoing side the current date, on which the Invoice message was created. On the incoming side, this field contains the arrival date of the Invoice at the EDI Sub-System (format: YYYYMMDD).

Processing outgoing

EDI Sub-System:
BAAN: Mapping of the current date to the position.

Processing incoming

EDI Sub-System: Entry of the arrival date of the message at the EDI Sub-System.
BAAN: Mapping to BAAN table field TFtcedi702.send

Position	10	Field format	n..4	Field status	M
Field name		**Time of transmission**			

Description: This field contains on the outgoing side the time, when the Invoice message was created. On the incoming side, the field contains the arrival time of the Invoice at the EDI Sub-System (format: HHMM).

Processing outgoing

EDI Sub-System:
BAAN: Mapping of the current time to the position

Processing incoming

EDI Sub-System: Entry of the arrival time of the message at the EDI Sub-System.
BAAN: Mapping to BAAN table field TFtcedi702.send.

Position	11	Field format	an..14	Field status	M
Field name		**Transmission reference old**			

Description: This field contains the reference number, which the EDI Sub-System applied to the previous transmission.

Processing outgoing

EDI Sub-System:	Entry of the reference code for the previous transmission into transmission file.
BAAN:	The position will be empty (.....;"";.....).

Processing incoming

EDI Sub-System:	Transmission of the value from the transmission file.
BAAN:	Mapping to BAAN table field TFtcedi702.prno

Position	**12**	Field format	**an7**	Field status	**M**
Field name		**Data record end sign**			

Description:	This field indicates the end of the data record. It contains the constant value 'SA1_END'.

Processing outgoing

EDI Sub-System:	
BAAN:	This field will be filled with the constant value 'SA1_END'.

Processing incoming

EDI Sub-System:	This field will be filled with the constant value 'SA1_END'.
BAAN:	None

3.2   SA2   TRADING INVOICE HEADER

Status :   Mandatory
Frequency: Once by Invoice
Description: This record type will be used to transmit invoice-specific data. The record contains information about the invoice number, related order, customer and supplier. This record type will be available only once by invoice number. All records, which follow up to the next record of the type SA2, refer to the same invoice number.

	INVOICE INHOUSE FORMAT				Mapping from Application Table Fields (out)		Mapping to Application Fields (in)	
Pos	FIELD DESCRIPTION	Key	ST	FM	Table Field	Action	Table Field	Action
1.	Record type	O/I	M	an3	SA2		SA2	
2.	Message reference	O/I	M	an..14	tcedi701.bano	Generation (see below)	tcedi702.bano	Generation by EDI Sub-System
3.	Supplier/customer number	O/I	M	an..17	tcedi028.neta		tfacp200.suno	Code and Conversion
4.	Invoice number part one		M	an..3	tdsls480.ttyp			
5.	Invoice number part two		M	n..8 an..20	tdsls480.invn		tfacp200.isup	
6.	Order Number		M	n..6	tdsls045.orno			
7.	Customer Order Reference		C	an..20 n..6	tdsls040.eono		tfacp200.orno	
8.	Order Date		C	n..6	tdsls040.odat			
9.	Planed Delivery Date		C	n..6	tdslss040.ddat			
10.	Reference Number		C	an..20	tdsls040.refb		tfacp200.refr	
11.	Name of the Responsible Employee		C	an..35	tccom001.nama			
12.	Contract Number		C	n..9	tdsls040.prno			
13.	Term of Delivery		C	an..17	tdsls040.cdec	Code and Conversion		
14.	Description of the Terms of Delivery		C	an..30	tcmcs041.dsca			
15.	Code of the Forwarding Agent		C	an..17	tdsls040.cfrw	Code and Conversion		
16.	Description of the Code of the Forwarding Agent		C	an..30	tcmcs080.dsca			
17.	Late Payment Surcharge		C	an..17	tdsls040.ccrs	Code and Conversion	tfacp200.ccrs	Code and Conversion
18.	Description of the Code of the Late Payment Surcharge		C	an..30	tcmcs011.dsca			
19.	Terms of Payment		C	an..17	tdsls040.cpay	Code and Conversion	tfacp200.cpay	Code and Conversion
20.	Description of the Code of the Code of Terms of Payment		C	an..30	tcmcs013.dsca			
21.	Payment Period		C	n..5	tcmcs013.pper			
22.	Cash Discount Period 1		C	n..5	tcmcs013.disa			

Pos	INVOICE INHOUSE FORMAT FIELD DESCRIPTION	Key	ST	FM	Mapping from Application Table Fields (out) Table Field	Action	Mapping to Application Fields (in) Table Field	Action
23.	Cash Discount Percentage 1		C	n..5	tcmcs013.prca			
24.	Cash Discount Period 2		C	n..5	tcmcs013.disb			
25.	Cash Discount Percentage 2		C	n..5	tcmcs013.prcb			
26.	Cash Discount Period 3		C	n..5	tcmcs013.disc			
27.	Cash Discount Percentage 3		C	n..5	tcmcs013.prcc			
28.	Currency of the Order		C	an..3	tdsls040.ccur	Code and Conversion		
29.	Country Code		C	an..3	tdsls040.ccty	Code and Conversion		
30.	Delivery Address Code		C	an..20	tdsls040.cdel	Code and Conversion		
31.	Address Type Code Delivery Address		M	an2	"DP"			
32.	Postal Address Code		C	an..20	tdsls040.ccor	Code and Conversion		
33.	Address Type Code Postal Address		M	an2	"IZ"			
34.	Invoice Date		C	n..8	tdsls480.date		tfacp200.docd	
35.	Total Invoice Amount		C	n..15	tdsls480.invo		tfacp200.ammt	
36.	Total Goods Amount		C	n..15	tdsls480.good			
37.	Total Cost / Service Amount		C	n..15	tdsls480.cost			
38.	Total Invoice Discount		C	n..15	tdsls480.disc			
39.	Total Tax Base Amount		C	n..15	tdsls480.tbvt			
40.	Total Tax Amount		C	n..15	tdsls480.tvat			
41.	Currency of the Invoice		C	an..3	tdsls480.ccur	Code and Conversion	tfacp200.ccur	Code and Conversion
42.	Invoice Due Date		C	n..6	empty	here (;;)	tfacp200.dued	
43.	Total Invoice Amount (net)		C	n..15	empty	here (;;)		
44.	Total Late Payment Surcharge		C	n..15	tdsls480.csqz			
45.	Dispatch Note		C	n..9 an..10	tdsls045.dino		tfacp200.disp	
46.	Invoice List Number		C	an..35		empty position		
47.	Invoice List date		C	n..8		empty position		
48.	Invoice List time		C	n..4		empty position		
49.	Discount date (1)		C	n..8	tfacr200.did1	not supported		
50.	Discount date (2)		C	n..8	tfacr200.did2	not supported		
51.	Discount date (3)		C	n..8	tfacr200.did3	not supported		
52.	Value Date (loan proceeds date)		C	n..8		empty position		
53.	Due Date		C	n..8	tfacr200.dued	not supported		
54.	Original document number (might be used for: Self Billed Invoices, send back goods, reclamations)		C	an..30	tdsls040.refa			

INVOICE INHOUSE FORMAT				*Mapping from Application Table Fields (out)*		*Mapping to Application Fields (in)*	
FIELD DESCRIPTION	*Key*	*ST*	*FM*	*Table Field*	*Action*	*Table Field*	*Action*
Pos							
55. Date of the original document number		C	n..8		empty position		
56. Discount Percentage per Order Header		C	n..5	tdsls040.odis	NN.NN		
57. Local Tax Number		C	an..25	tccom000.vatl			
58. Record end sign *Constant value "SA2_END"*		M	an7	SA2_END		SA2_END	

Detailed description:	Trading Invoice
Kind of data record:	SA2 Trading Invoice Header

Position	1	Field format	an3	Field status	M
Field name		**Kind of data record**		(Key field out/in)	

Description: This field identifies the kind of data record (record type) in the message block. It contains the constant value 'SA2'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA2'.

Processing incoming

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA2'.

Position	2	Field format	an..14	Field status	M
Field name		**Message reference**		(Key field out/in)	

Description: This field identifies all connected data records of one Invoice. The numbering of the message reference, which has to be clear by Invoice, helps to control the chronological order of the Invoice and the complete transmission.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA1.

Processing incoming

EDI Sub-System:
BAAN: Refer to data record SA1

Position	3 out	Field format	an..15	Field status	M
Field name		**Customer code**		(Key field out)	

Description: This field contains the identification code of the customer on the supplier side.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA1

Position	**3 in**	Field format	**an..17**	Field status	**M**
Field name		**Supplier code**		(Key field in)	

Description: This field contains the supplier code.

Processing incoming

EDI Sub-System: Refer to data record SA1
BAAN: Refer to data record SA1.
A Conversion of the supplier number via the network address TBtcedi028 of the
supplier is possible.

Position	**4**	Field format	**an..3**	Field status	**M**
Field name		**Invoice Number Part One**		(Key field in/out)	

Description: This field contains the first part of the Invoice number. It contains an internal
information of the invoice type. The Invoice number is only unique, when the type
and the number itsself (second part of invoice number) is together.

Processing outgoing

EDI Sub-System: The first part and the second part (field 5) must be put together before transmit to
the customer. The EDI-Sub-System has to combine both fields.
BAAN: The first part of the Invoice number is mapped from BAAN table field
TFtdsls480.ttyp to this position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**5**	Field format	**n..8**	Field status	**M**
Field name		**Invoice Number Part Two**		(Key field in/out)	

Description: This field contains the second part of the Invoice number. It contains the Invoice
Number itself. The Invoice number is only unique, when the type (first part of
invoice number) and the number itsself is together.

Processing outgoing

EDI Sub-System: The first part (field 4) and the second part (field 5) must be put together before
transmit to the customer. The EDI-Sub-System has to combine both fields.
BAAN: The second part of the Invoice number is mapped from BAAN table field
TFtdsls480.invn to this position.

Processing incoming

EDI Sub-System: Transmission of the value from the message file. Here the complete unique invoice
number is required.
BAAN: Mapping to BAAN table field TFtfacp200.isup

Position	**6**	Field format	**n..6**	Field status	**M**
Field name		**Order Number**			

Description:　　　　　　　This field contains the Order Number the invoice is related to.

Processing outgoing

EDI Sub-System:　　　　None
BAAN:　　　　　　　　The related order number is mapped from BAAN table field TFtdsls045.orno to this position.

Processing incoming

EDI Sub-System:
BAAN:　　　　　　　　None.

Position	**7**	Field format	**an..20/n..6**	Field status	**C**
Field name		**Customer Order Reference**			

Description:　　　　　　　This field contains the reference code which applied to this order (transmission). This code is the code the customer/supplier uses for this order related to this invoice.

Processing outgoing

EDI Sub-System:　　　　None
BAAN:　　　　　　　　The customer purchase number from BAAN table field TFtdsls040.eono is mapped to this position.

Processing incoming

EDI Sub-System:　　　　Transmission of the value from the message file.
BAAN:　　　　　　　　Mapping to BAAN table field TFtfacp200.orno. This order number must be the purchasse order number, using for receipt matching.

Position	**8**	Field format	**n..6**	Field status	**C**
Field name		**Order Date**			

Description:　　　　　　　This field contains the date (YYYYMMDD) the related Sales Order is entered in the system.

Processing outgoing

EDI Sub-System:
BAAN:　　　　　　　　The Order date from BAAN table field TFtdsls040.odat is mapped to this position.

Processing incoming

EDI Sub-System:　　　　None.
BAAN:　　　　　　　　Empty.

Position	**9**	Field format	**n..6**	Field status	**C**
Field name		**Planned Delivery Date**			

Description: This field contains the date (YYYYMMDD) on which the delivery was planned.

Processing outgoing

EDI Sub-System:
BAAN: The planned delivery date from BAAN table field TFtdsls040.ddat is mapped to
                                this position.

Processing incoming

EDI Sub-System: None.
BAAN: Not used.

Position	**10**	Field format	**an..20**	Field status	**C**
Field name		**Reference Number**			

Description: This field contains a Reference Number.

Processing outgoing

EDI Sub-System:
BAAN: The reference number is mapped from BAAN table field tdsls040.refb to this
                                position.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to the BAAN table field Tftfacp200.refr.

Position	**11**	Field format	**an..35**	Field status	**C**
Field name		**Name of the Responsible Employee**			

Description: This field contains the name of the responsible employee.

Processing outgoing

EDI Sub-System:
BAAN: The name of the responsible employee is mapped from BAAN table field
                                Tftccom001.nama to this position.

Processing incoming

EDI Sub-System:
BAAN: Not used.

Position	**12**	Field format	**n..9**	Field status	**C**
Field name		**Contract Number**			

Description: This field contains the Contract Number which is defined with the customer/supplier.

Processing outgoing

EDI Sub-System:
BAAN: The contract number is mapped from BAAN table TBtdsls040.prno to this position.

Processing incoming

EDI Sub-System:
BAAN: Not used.

Position	**13**	Field format	**an..17**	Field status	**C**
Field name		**Term of Delivery**			

Description: This field contains a code for the Term of Delivery. This field indicates how to frank the shipment (unfranked,...) It contains a unique alphanumerical identification.
01 = unfranked (unfrei)
02 = free destination (frei Bestimmungsort)
03 = free to the door (frei Haus)
04 = free German border (frei deutsche Grenze)
05 = free receiving carrier (frei Empfängsspediteur)
99 = special postage (Sonderfrankatur)

Processing outgoing

EDI Sub-System: None.
BAAN: The Term of Delivery of the order related to this invoice from BAAN table field TFtdsls040.cdec is mapped to this position. If other definitions are used in BAAN, the BAAN table TBtcedi430 is used for conversion.

Processing incoming

EDI Sub-System:
BAAN: Not used.

Position	**14**	Field format	**an..30**	Field status	**C**
Field name		**Description of the Terms of Delivery**			

Description: This field contains text as description of the terms of delivery.

Processing outgoing

EDI Sub-System:
BAAN: The Description of the Terms of Delivery of the order related to this Invoice from BAAN table field TFtcmcs041.dsca is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: Not used.

Position	15	Field format	**an..17**	Field status	**C**
Field name		**Code of the Forwarding Agent**			

Description: This field contains an code of the forwarding agent. The code list has to be agreed
                                         upon with the business partner.
Attention: Normally every business partner uses his specific codes.
Processing outgoing

EDI Sub-System:
BAAN: The code of the forwarding agent is mapped from the BAAN table field
                                         TFtdsls040.cfrw to this position and converted with BAAN table TBtcedi456.

Processing incoming

EDI Sub-System:
BAAN: Not used.

Position	16	Field format	**an..30**	Field status	**C**
Field name		**Description of the Forwarding Agent**			

Description: This field contains the description of the Code of the Forwarding Agent (Pos. 15)

Processing outgoing

EDI Sub-System:
BAAN: The description is mapped from BAAN table field TFtcmcs080.dsca to this
                                         position.

Processing incoming

EDI Sub-System:
BAAN: Not used.

Position	17	Field format	**an..17**	Field status	**C**
Field name		**Late Payment Surcharge**			

Description: This field contains the late payment surcharge. Has to be agreed upon with the
                                         business partner.
Attention: Normally every business partner uses his specific codes.

Processing outgoing

EDI Sub-System:
BAAN: The late payment surcharge is mapped from BAAN table field TFtdsls040.ccrs to
                                         this position. A conversion has to be done with BAAN table TBtcedi470.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.

BAAN: Mapping to the BAAN table field TFtfacp200.ccrs and conversion with BAAN
                                   table TBtcedi330.

Position	**18**	Field format	**an..30**	Field status	**C**
Field name		**Description of the Code of the Late Payment Surcharge**			

Description: This field contains the description of the code of the late payment surcharge.

Processing outgoing

EDI Sub-System:
BAAN: The description is mapped from BAAN table field TFtcmcs011.dsca to this
                                   position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**19**	Field format	**an..17**	Field status	**C**
Field name		**Terms of Payment**			

Description: This field contains the code of terms of payment. The code list has to be agreed
                                   upon with the business partner.

Processing outgoing

EDI Sub-System:
BAAN: The code of terms of payment is mapped from BAAN table field TFtdsls040.cpay
                                   to this position and converted using the BAAN table TBtcedi466.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to the BAAN table field TFtfacp200.cpay and conversion via BAAN table
                                   TBtcedi326.

Position	**20**	Field format	**an..30**	Field status	**C**
Field name		**Description of the Code of Terms of Payment**			

Description: This field contains the description of the code of terms of payment.

Processing outgoing

EDI Sub-System:
BAAN: The description of the Terms of Payment is mapped from BAAN table field
                                   TFtcmcs013.dsca to this position.

Processing incoming

EDI Sub-System:
BAAN: Not used.

Position	21	Field format	n..5	Field status	C
Field name		**Payment Period**			

Description: This field contains the Payment Period.

Processing outgoing

EDI Sub-System:
BAAN: The payment period is mapped from BAAN table field TFtcmcs013.pper to this position.

Processing incoming

EDI Sub-System:
BAAN: Not used.

Position	22	Field format	n..5	Field status	C
Field name		**Discount Period 1**			

Description: This field contains the Discount Period 1.

Processing outgoing

EDI Sub-System:

BAAN: The first discount period is mapped from BAAN table field TFtcmcs013.disa to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	23	Field format	n..5	Field status	C
Field name		**Discount Percentage 1**			

Description: This field contains the Discount Percentage 1.

Processing outgoing

EDI Sub-System:
BAAN: The first discount percentage is mapped from BAAN table field TFtcmcs013.prca to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**24**	Field format	**n..5**	Field status	**C**
Field name		**Discount Period 2**			

Description: This field contains the Discount Period 2.

Processing outgoing

EDI Sub-System:

BAAN: The second discount period is mapped from BAAN table field TFtcmcs013.disb to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**25**	Field format	**n..5**	Field status	**C**
Field name		**Discount Percentage 2**			

Description: This field contains the Discount Percentage 2.

Processing outgoing

EDI Sub-System:
BAAN: The second discount percentage is mapped from BAAN table field TFtcmcs013.prcb to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**26**	Field format	**n..5**	Field status	**C**
Field name		**Discount Period 3**			

Description: This field contains the Discount Period 3.

Processing outgoing

EDI Sub-System:

BAAN: The first discount period is mapped from BAAN table field TFtcmcs013.disc to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**27**	Field format	**n..5**	Field status	**C**
Field name		**Discount Percentage 3**			

Description: This field contains the Discount Percentage 3.

Processing outgoing

EDI Sub-System:
BAAN: The third discount percentage is mapped from BAAN table field TFtcmcs013.prcc to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**28**	Field format	**an..3**	Field status	**C**
Field name		**Currency of the Order**			

Description: This field contains the currency of the order of the message. The currency code will be defined according to ISO 4217, e.g. ‚280' for German mark (DM)

Processing outgoing

EDI Sub-System:
BAAN: The currency of the related order is mapped from BAAN table field TFtdsls040.ccur to this position and converted using BAAN table TBtcedi438.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to BAAN table field TFtfacp200.ccur and conversion with BAAN table TBtcedi324.

Position	**29**	Field format	**an..3**	Field status	**C**
Field name		**Country Code**			

Description: This field contains the Country of the Address. The following country codes are defined in BAAN table TBtcedi226 according to ODDC 6
AT: Austria
BE: Belgium
CH: Switzerland
DE: Federal Republik of Germany
DK: Denmark
ES: Spain
FI: Finland
FR: France
GB: United Kingdom
GR: Greece
IE: Ireland
IT: Italy
LU: Luxembourg
NL: Netherlands

NO: Norway
PT: Portugal
SE: Sweden
TR: Turkey
YU: Yugoslavia

Processing outgoing

EDI Sub-System:
BAAN: The country code related to the invoice from BAAN table field TFtdsls040.ccty is mapped to this position and convertes with BAAN table TBtcedi440.

Processing incoming

EDI Sub-System:
BAAN: Not used.

Position	**30**	Field format	**an..20**	Field status	**C**
Field name		**Delivery Address Code**			

Description: This field contains a Code for the Delivery Address. This can be used instead of a concret address, if the codes are mutual defined with the supplier/customer.

Processing outgoing

EDI Sub-System:
BAAN: The address code of the sales order from BAAN table field TFtdsls040.cdel is mapped to this position and converted with BAAN table TBtcedi448.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**31**	Field format	**an1**	Field status	**M**
Field name		**Address Type Code Delivery Address**			

Description: This field contains the address type code or qualifier of the delivery address refering to the order related to this invoice.

Processing outgoing

EDI Sub-System:
BAAN: The field is filled with the constant value "DP".

Processing incoming

EDI Sub-System:
BAAN: None

Position	**32**	Field format	**an..3**	Field status	**C**
Field name		**Postal Address Code**			

Description: This field contains the Code for the postal address of the order related to the invoice. This Code can be used instead a concrete address, if the code is agreed upon with the customer.

Processing outgoing

EDI Sub-System:
BAAN: The postal address code is mapped from BAAN table field TFtdsls040.ccor to this position and converted using BAAN table TBtcedi450.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**33**	Field format	**an1**	Field status	**M**
Field name		**Address Type Code Postal Address**			

Description: This field contains the address type code or qualifier of the postal address refering to the order related to this invoice.

Processing outgoing

EDI Sub-System:
BAAN: The field is filled with the constant value "IZ"

Processing incoming

EDI Sub-System:
BAAN: None

Position	**34**	Field format	**n..8**	Field status	**C**
Field name		**Invoice Date**			

Description: This field contains the date of the creation of the invoice.
Format: (YYYYMMDD)

Processing outgoing

EDI Sub-System:
BAAN: The invoice date is mapped from BAAN table field TFtdsls480.date to this position.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to the BAAN table field TFtfacp200.docd

Position	**35**	Field format	**n..15**	Field status	**C**
Field name		**Total Invoice Amount**			

Description: This field contains the total amount of the invoice.

Processing outgoing

EDI Sub-System:
BAAN: The total amount is mapped from BAAN table field TFtdsls480.invo to this
                                 position.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to the BAAN table field TFtfacp200.amnt

Position	**36**	Field format	**n..15**	Field status	**C**
Field name		**Total Goods Amount**			

Description: This field contains the total goods amount.

Processing outgoing

EDI Sub-System:
BAAN: The total goods amount is mapped from BAAN table field TFtdsls480.good to this
                                 position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**37**	Field format	**n..15**	Field status	**C**
Field name		**Total Cost / Service Amount**			

Description: This field contains the total amount for cost and/or service.

Processing outgoing

EDI Sub-System:
BAAN: The total amount for cost/service is mapped from BAAN table field
                                 TFtdsls480.cost to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**38**	Field format	**n..15**	Field status	**C**
Field name		**Total Invoice Discount**			

Description: This field contains the total discount refering to the invoice.

Processing outgoing

EDI Sub-System:
BAAN: The total invoice discount is mapped from BAAN table field TFtdsls480.disc to this
                                position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	39	Field format	n..15	Field status	C
Field name		**Total Tax Base Amount**			

Description: This field contains the total amount to the tax base.

Processing outgoing

EDI Sub-System:
BAAN: The total tax base amount is mapped from BAAN table field TFtdsls480.tbvt to this
                                position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	40	Field format	n..15	Field status	C
Field name		**Total Tax Amount**			

Description: This field contains the total amount of tax refering to the invoice.

Processing outgoing

EDI Sub-System:
BAAN: The total amount of tax is mapped from BAAN table field TFtdsls480.tvat to this
                                position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	41	Field format	an..3	Field status	C
Field name		**Currency of the invoice**			

Description: This field contains the currency of the invoice. The currency code will be defined
                                according to ISO 4217, e.g. ‚280' for German mark (DM)

Processing outgoing

EDI Sub-System:
BAAN: The currency of the invoice is mapped from BAAN table field TFtdsls480.ccur to
                                this position and converted using BAAN table TBtcedi438.

Processing incoming

EDI Sub-System:
BAAN: Transmission of the value from the message file.
                               Mapping to the BAAN table field TFtfacp200.ccur and conversion with BAAN
                               TBtcedi324.

Position	42	Field format	n..6	Field status	C
Field name		**Invoice Due Date**			

Description: This field contains the due date of the invoice.

Processing outgoing

EDI Sub-System:
BAAN: None

Processing incoming

EDI Sub-System:
BAAN: Transmission of the value from the message file.
                               Mapping to the BAAN table field TFtfacp200.dued.

Position	43	Field format	n..15	Field status	C
Field name		**Total Invoice Amount (net)**			

Description: This field contains the total amount (net) of the invoice.

Processing outgoing

EDI Sub-System: The value of the fiel 36 (Total Goods Amount) and the value of the field 37 (Total
                               Cost/Service Amount) must be added together.
BAAN: Empty

Processing incoming

EDI Sub-System:
BAAN: None

Position	44	Field format	n..15	Field status	C
Field name		**Total Late Payment Surcharge**			

Description: This field contains the total surcharge for late payment refering to the invoice.

Processing outgoing

EDI Sub-System:
BAAN: The total late payment surcharge is mapped from BAAN table field
                               TFtdsls480.csqz to this position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**45**	Field format	**n..9**	Field status	**C**
Field name		**Dispatch Note**			

Description: This field contains the dispatch note of the order related to this invoice.

Processing outgoing

EDI Sub-System:
BAAN: The dispatch note number is mapped from BAAN table field TFtdsls045.dino to this position.

Processing incoming

EDI Sub-System: Transmission of the value from the message file. Fill this field only, when matching invoice with order receipt is not done via purchase orders.
BAAN: Mapping to the BAAN table field TFtfacp200.disp.

Position	**46**	Field format	**an..35**	Field status	**C**
Field name		**Invoice List Number**			

Description: This field contains the the number of the related invice list.

Processing outgoing

EDI Sub-System: None.
BAAN: None. (empty position)

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	**47**	Field format	**n..8**	Field status	**C**
Field name		**Invoice List date**			

Description: This field contains the date of the Invoice List.

Processing outgoing

EDI Sub-System: None.
BAAN: None. (empty position)

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	**48**	Field format	**n..8**	Field status	**C**
Field name		**Invoice List time**			

Description: This field contains the time when the Invoice List was created.

Processing outgoing

EDI Sub-System: None.
BAAN: None. (empty position)

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	**49**	Field format	**n..8**	Field status	**C**
Field name		**Discount date (1)**			

Description: This field contains the first discount date which indicates the last date on which the first discount percentage may be subtracted from invoice amount.

Processing outgoing

EDI Sub-System:
BAAN: None

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	**50**	Field format	**n..8**	Field status	**C**
Field name		**Discount date (2)**			

Description: This field contains the second discount date which indicates the last date on which the second discount percentage may be subtracted from invoice amount.

Processing outgoing

EDI Sub-System:
BAAN: None

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	**51**	Field format	**n..8**	Field status	**C**
Field name		**Discount date (3)**			

Description: This field contains the third discount date which indicates the last date on which the third discount percentage may be subtracted from invoice amount.

Processing outgoing

EDI Sub-System:
BAAN: None

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	**52**	Field format	**n..8**	Field status	**C**
Field name		**Value Date (loan proceeds date)**			

Description: This field contains the value date.

Processing outgoing

EDI Sub-System: None.
BAAN: None.

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	**53**	Field format	**n..8**	Field status	**C**
Field name		**Due Date**			

Description: This field contains the due date. It is the date on which the invoice amount must have paid.

Processing outgoing

EDI Sub-System: None.
BAAN:

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	**54**	Field format	**n..8**	Field status	**C**
Field name		**Original document number**			

Description: This field contains the original document number which is used in order to store e.g. the Self Billed Invoice Number, Send back Goods and Reclamations.

Processing outgoing

EDI Sub-System: None.
BAAN: The original document number is mapped from BAAN table field Tftdsls040.refa to this position.

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	**55**	Field format	**n..8**	Field status	**C**
Field name		**Date of the original document nmber**			

Description: This field contains the date of the original document number.

Processing outgoing

EDI Sub-System: None.
BAAN: None.

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	56	Field format	n..5	Field status	C
Field name		**Discount Percentage per Order Header**			

Description: This field contains the Discount Percentage per Order Header.The order discount is always a percentage and applies to the net amount of each order line, provided that no cost or service item has been entered for the order line. The net amount is the unit price multiplied by the quantity minus the discount (amount) on the order line. Fieldformat: NN.NN

Processing outgoing

EDI Sub-System: None.
BAAN: The Discount Percentage per Order Header is mapped from BAAN table field Tftdsls040.odis to this position.

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	57	Field format	an..25	Field status	M
Field name		**Local Tax Number**			

Description: The supplier's taxnumber, assigned by his local tax office. This number is transmitted in the outgoing Trading Invoice message to fulfill German legal requirements.

Processing outgoing

EDI Sub-System: None.
BAAN: The Local Tax Number is mapped from BAAN table field tccom000.vatl to this position.

Processing incoming

EDI Sub-System: None.
BAAN: None.

Position	58	Field format	an7	Field status	M
Field name		**Record end sign**			

Description: This field indicates the end of the data record. It contains the constant value 'SA2_END'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA2_END'.

Processing incoming

EDI Sub-System: This field will be filled with the constant value 'SA2_END'.
BAAN: None.

3.3   SA3   SPECIFIC INVOICE ADDRESSES

Status :   Conditional
Frequency :   Twice at maximum by Invoice occurs only for outgoing messages
Description: This data record contains the Delivery and the Invoice Addresses of the order header and is related to SA2.

First Appearence: Invoice Address (Address Qualifier: 1)

	ORDER INHOUSE FORMAT				Mapping from Application Table Fields		Mapping to Application Fields	
Pos	*FIELD DESCRIPTION*	*Key*	*ST*	*FM*	*Table Field*	*Action*	*Table Field*	*Action*
1.	Record type	O/1	M	an3	SA3			
2.	Message reference	O/1	M	an..14	tcedi701.bano	Generation (see below)		
3.	Supplier number	O/1	M	an..15	tcedi028.neta			
4.	Invoice number part one	O/1	M	an..3	tdsls480.ttyp			
5.	Invoice number part two	O/1	M	n..8	tdsls480.invn			
6.	Sales Order Number		M	n..9	tdsls045.orno			
7.	Address Qualifier Postal Address		M	an1	tcedi224.code	here: "1"		
8.	Postal Address Country		C	an..6	tccom012.ccty tdsls042.ccty tccom010.ccty	Code and Conversion		
9.	Postal Address first part of the name		C	an..35	tccom012.nama tdsls042.nama tccom010.nama			
10.	Postal Address second part of the name		C	an..30	tccom012.namb tdsls042.namb tccom010.namb			
11.	Postal Address		C	an..30	tccom012.namc tdsls042.namc tccom010.namc			
12.	Postal Address 2		C	an..30	tccom012.namd tdsls042.namd tccom010.namd			
13.	Postal Address City		C	an..30	tccom012.name tdsls042.name tccom010.name			
14.	Postal Address. further information for city e.g. province/country		C	an..30	tccom012.namf tdsls042.namf tccom010.namf			

BAAN

BEMIS   BAAN Electronic Message Interchange System

	ORDER INHOUSE FORMAT				*Mapping from Application Table Fields*		*Mapping to Application Fields*	
Pos	*FIELD DESCRIPTION*	*Key*	*ST*	*FM*	*Table Field*	*Action*	*Table Field*	*Action*
15.	Postal Address Zip Code		C	an..10	tccom012.pstc tdsls042.pstc tccom010.pstc			
16.	TAX Number		C	an..20	tccom012.fovn tdsls042.fovn tccom010.fovn			
17.	Data record end sign		M	an7	SA3_END		SA3_END	

```
Evaluation Expression    :    NPA    strip(tds1s040.ccor) <> "" for all tccom012 fileds
                               SPA    (tds1s042.orno <> 0) and (tds1s042.ckor = 1) for all tds1s042. fileds
                               DPA    (strip(tds1s040.ccor) = "") and (tds1s042.orno = 0) for all tccom010 fields
```

Second Appearence: Delivery Address (Address Qualifier: 0)

	ORDER INHOUSE FORMAT				*Mapping from Application Table Fields*		*Mapping to Application Fields*	
Pos	*FIELD DESCRIPTION*	*Key*	*ST*	*FM*	*Table Field*	*Action*	*Table Field*	*Action*
1.	Record type	O/I	M	an3	SA3			
2.	Message reference	O/I	M	an..14	tcedi701.bano	Generation (see below)		
3.	Supplier number	O/I	M	an..15	tcedi028.neta			
4.	Invoice number part one	O/I	M	an..3	tdsls480.ttyp			
5.	Invoice number part two	O/I	M	n..8	tdsls480.invn			
6.	Sales Order Number		M	n..9	tdsls045.orno			
7.	Address Qualifier Delivery Address		M	an1	tcedi224.code	here: "0"		
8.	Delivery Address Country		C	an..6	tccom013.ccty tdsls042.ccty tccom010.ccty	Code and Conversion		
9.	Delivery Address first part of the name		C	an..35	tccom013.nama tdsls042.nama tccom010.nama			
10.	Delivery Address second part of the name		C	an..30	tccom013.namb tdsls042.namb tccom010.namb			
11.	Delivery Address		C	an..30	tccom013.namc tdsls042.namc tccom010.namc			
12.	Delivery Address 2		C	an..30	tccom013.namd tdsls042.namd tccom010.namd			

BAAN

BEMIS   BAAN Electronic Message Interchange System

					Mapping from Application Table Fields		Mapping to Application Fields	
ORDER INHOUSE FORMAT								
Pos	*FIELD DESCRIPTION*	*Key*	*ST*	*FM*	*Table Field*	*Action*	*Table Field*	*Action*
13.	Delivery Address City		C	an..30	tccom013.name tdsls042.name tccom010.name			
14.	Delivery Address. further information for city e.g. province/country		C	an..30	tccom013.namf tdsls042.namf tccom010.namf			
15.	Delivery Address Zip Code		C	an..10	tccom013.pstc tdsls042.pstc tccom010.pstc			
16.	TAX Number		C	an..20	tccom013.fovn tdsls042.fovn tccom010.fovn			
17.	Data record end sign		M	an7	SA3_END		SA3_END	

Evaluation Expression
SDA   ; NDA   strip(tds1s040.cdel) <> "" for all tccom013 fields
         (tds1s042.orno <> 0) and (tds1s042.ckor = 0) for all tds1s042 fields
DDA   (strip(tds1s040.cdel) = "") and (tds1s042.orno = 0) for all tccom010 fields

Detailed description:	Specific Invoice Addresses
Kind of data record:	SA3 Specific Invoice Addresses

First Appearance: Invoice Address (Address Qualifier: 1)

Position	1	Field format	an3	Field status	M
Field name		**Kind of data record**		(Key field out/in)	

Description: This field identifies the kind of data record (record type) in the message block. It contains the constant value 'SA3'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA3'.

Processing incoming

EDI Sub-System:
BAAN:

Position	2	Field format	an..14	Field status	M
Field name		**Message reference**		(Key field out/in)	

Description: This field identifies all connected data records of one Invoice. The numbering of the message reference, which has to be clear by Invoice, helps to control the chronological order of the Invoice and the complete transmission.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2.

Processing incoming

EDI Sub-System:
BAAN:

Position	3 out	Field format	an..15	Field status	M
Field name		**Customer code**		(Key field out)	

Description: This field contains the identification code of the customer on the supplier side.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2.

Position	4	Field format	**an..3**	Field status	**M**
Field name		**Invoice Number Part One**		(Key field in/out)	

Description: This field contains the first part of the Invoice number. It contains an internal information of the invoice type. The Invoice number is only unique, when the type and the number itsself (second part of invoice number) is together.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2

Processing incoming

EDI Sub-System:
BAAN:

Position	5	Field format	**n..8**	Field status	**M**
Field name		**Invoice Number Part Two**		(Key field in/out)	

Description: This field contains the second part of the Invoice number. It contains the Invoice Number itself. The Invoice number is only unique, when the type (first part of invoice number) and the number itsself is together.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2

Processing incoming

EDI Sub-System:
BAAN:

Position	6	Field format	**n..6**	Field status	**M**
Field name		**Order Number**			

Description: This field contains the Order Number which is defined with the customer.

Processing outgoing

EDI Sub-System: None
BAAN: The related order number is mapped from BAAN table field TFtdsls045.orno to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	7	Field format	**an1**	Field status	**M**
Field name		**Address Qualifier Postal Address**			

Description:

This field contains the Qualifier which identifies the next data set as an invoice or an delivery address.

0   The following data is the delivery address

1   The following data is my own invoice address

This qualifier must be entered in BAAN table TBtcedi224 regarding to the used organistation.

Processing outgoing

EDI Sub-System:

BAAN: The value "1" is filled in.

Processing incoming

EDI Sub-System:

BAAN:

Position	8	Field format	**an..6**	Field status	**C**
Field name		**Postal Address Country**			

Description:

This field contains the Country of the Address. The following country codes are defined in BAAN table TBtcedi226 according to ODDC 6

AT: Austria

BE: Belgium

CH: Switzerland

DE: Federal Republik of Germany

DK: Denmark

ES: Spain

FI: Finland

FR: France

GB: United Kingdom

GR: Greece

IE: Ireland

IT: Italy

LU: Luxembourg

NL: Netherlands

NO: Norway

PT: Portugal

SE: Sweden

TR: Turkey

YU: Yugoslavia

Processing outgoing

EDI Sub-System:

BAAN: The country code of the invioce adress from BAAN table field TFtccom012.ccty, tdsls042.ccty or tccom010.ccty is mapped to this position and convertes with BAAN table TBtcedi440.

Processing incoming

EDI Sub-System:

BAAN:

Position	**9**	Field format	**an..35**	Field status	**C**
Field name		**Postal Address First part of Name**			

Description: This field contains the first part of the name.

Processing outgoing

EDI Sub-System:
BAAN: The first part of the Name from BAAN table field TFtccom012.nama, tdsls042.nama or tccom010.nama is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**10**	Field format	**an..30**	Field status	**C**
Field name		**Invoice Address Second part of Name**			

Description: This field contains the second part of the name.

Processing outgoing

EDI Sub-System:
BAAN: The second part of the Name from BAAN table field TFtccom012.namb, tdsls042.namb or tccom010.namb is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**11**	Field format	**an..30**	Field status	**C**
Field name		**Postal Address**			

Description: This field contains the first part of the Invoice Address.

Processing outgoing

EDI Sub-System:
BAAN: The first part of the InvoiceAddress from BAAN table field TFtccom012.namc, tdsls042.namc or tccom010.namc is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**12**	Field format	**an..30**	Field status	**C**
Field name		**Postal Address 2**			

Description: This field contains the second part of the Invoice Address.

Processing outgoing

EDI Sub-System:
BAAN: The second part of the Invoice Address from BAAN table field TFtccom012.namd, tdsls042.namc or tccom010.namc is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**13**	Field format	**an..30**	Field status	**C**
Field name		**Postal Address City**			

Description: This field contains the name of the City.

Processing outgoing

EDI Sub-System:
BAAN: The name of the City from BAAN table field TFtccom012.name, tdsls042.name or tccom010.name is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**14**	Field format	**an..30**	Field status	**C**
Field name		**ILN Code / Delivery Address for further information province or country**			

Description: This field contains further information to the City (province/country). If ILN-Numbers must be used, this field contains the ILN-Number of the invoice address.

Processing outgoing

EDI Sub-System:
BAAN: The ILN-Code from BAAN table field TFtccom012.namf , tdsls042.namf or tccom010.namf is mapped to this position .

Processing incoming

EDI Sub-System:
BAAN:

Position	**15**	Field format	**an..10**	Field status	**C**
Field name		**Invoice Address Zip Code**			

Description: This field contains the postal or zip Code referring to the Invoice Address.

Processing outgoing

EDI Sub-System:
BAAN: The Zip Code from BAAN table field TFtccom012.pstc, tdsls042.pstc or
                                tccom010.pstc is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**16**	Field format	**an3**	Field status	**M**
Field name		**Tax ID**			

Description: This field contains the Tax ID of the customer.

Processing outgoing

EDI Sub-System:
BAAN: The Tax ID of my customer is mapped from BAAN TFtccom012.fovn,
                                tdsls042.fovn or tccom010.fovn to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**17**	Field format	**an7**	Field status	**M**
Field name		**Data record end sign**			

Description: This field indicates the end of the data record. It contains the constant value
                                'SA3_END'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA3_END'.

Processing incoming

EDI Sub-System:
BAAN:

Second Appearance: Delivery Address (Address Qualifier: 0)

Position	1	Field format	**an3**	Field status	**M**
Field name		**Kind of data record**		(Key field out/in)	

Description: This field identifies the kind of data record (record type) in the message block. It contains the constant value 'SA3'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA3'.

Processing incoming

EDI Sub-System:
BAAN:

Position	2	Field format	**an..14**	Field status	**M**
Field name		**Message reference**		(Key field out/in)	

Description: This field identifies all connected data records of one Invoice. The numbering of the message reference, which has to be clear by Invoice, helps to control the chronological order of the Invoice and the complete transmission.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2.

Processing incoming

EDI Sub-System:
BAAN:

Position	3 out	Field format	**an..15**	Field status	**M**
Field name		**Customer code**		(Key field out)	

Description: This field contains the identification code of the customer on the supplier side.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2.

Position	4	Field format	**an..3**	Field status	**M**
Field name		**Invoice Number Part One**		(Key field in/out)	

Description: This field contains the first part of the Invoice number. It contains an internal information of the invoice type. The Invoice number is only unique, when the type and the number itsself (second part of invoice number) is together.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2

Processing incoming

EDI Sub-System:
BAAN:

Position	5	Field format	**n..8**	Field status	**M**
Field name		**Invoice Number Part Two**		(Key field in/out)	

Description: This field contains the second part of the Invoice number. It contains the Invoice Number itself. The Invoice number is only unique, when the type (first part of invoice number) and the number itsself is together.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2

Processing incoming

EDI Sub-System:
BAAN:

Position	6	Field format	**n..6**	Field status	**M**
Field name		**Order Number**			

Description: This field contains the Order Number.

Processing outgoing

EDI Sub-System: None
BAAN: The related order number is mapped from BAAN table field TFtdsls045.orno to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	7	Field format	**an1**	Field status	**M**
Field name		**Address Qualifier Postal Address**			

Description: This field contains the Qualifier which identifies the next data set as an invoice or
an delivery address.
0   The following data is the delivery address
1   The following data is my own invoice address
This qualifier must be entered in BAAN table TBtcedi224 regarding to the used
organistation.

Processing outgoing

EDI Sub-System:
BAAN: The value "0" is filled in.

Processing incoming

EDI Sub-System:
BAAN:

Position	8	Field format	**an..6**	Field status	**C**
Field name		**Delivery Address Country**			

Description: This field contains the Country of the Address. The following country codes are
defined in BAAN table TBtcedi226 according to ODDC 6
AT: Austria
BE: Belgium
CH: Switzerland
DE: Federal Republik of Germany
DK: Denmark
ES: Spain
FI: Finland
FR: France
GB: United Kingdom
GR: Greece
IE: Ireland
IT: Italy
LU: Luxembourg
NL: Netherlands
NO: Norway
PT: Portugal
SE: Sweden
TR: Turkey
YU: Yugoslavia

Processing outgoing

EDI Sub-System:
BAAN: The country code of the invioce adress from BAAN table field TFtccom013.ccty,
tdsls042.ccty or tccom010.ccty is mapped to this position and convertes with
BAAN table Tbtcedi440.

Processing incoming

EDI Sub-System:
BAAN:

Position	**9**	Field format	**an..35**	Field status	**C**
Field name		**Delivery Address First part of Name**			

Description: This field contains the first part of the name.

Processing outgoing

EDI Sub-System:
BAAN: The first part of the Name from BAAN table field TFtccom013.nama,
                                     tdsls042.nama or tccom010.nama is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**10**	Field format	**an..30**	Field status	**C**
Field name		**Delivery Address Second part of Name**			

Description: This field contains the second part of the name.

Processing outgoing

EDI Sub-System:
BAAN: The second part of the Name from BAAN table field TFtccom013.namb,
                                     tdsls042.namb or tccom010.namb is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**11**	Field format	**an..30**	Field status	**C**
Field name		**Delivery Address**			

Description: This field contains the first part of the Delivery Address.

Processing outgoing

EDI Sub-System:
BAAN: The first part of the Delivery Address from BAAN table field TFtccom013.namc,
                                     tdsls042.namc or tccom010.namc is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**12**	Field format	**an..30**	Field status	**C**
Field name		**Delivery Address 2**			

Description: This field contains the second part of the Delivery Address.

Processing outgoing

EDI Sub-System:
BAAN: The second part of the Delivery Address from BAAN table field
                                TFtccom013.namd, tdsls042.namc or tccom010.namc is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**13**	Field format	**an..30**	Field status	**C**
Field name		**Delivery Address City**			

Description: This field contains the name of the City.

Processing outgoing

EDI Sub-System:
BAAN: The name of the City from BAAN table field TFtccom013.name, tdsls042.name or
                                tccom010.name is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**14**	Field format	**an..30**	Field status	**C**
Field name		**ILN Code / Delivery Address for further information province or country**			

Description: This field contains further information to the City (province/country). If ILN-
                                Numbers are used. This field contains the ILN-Number of the delivery address.

Processing outgoing

EDI Sub-System:
BAAN: The ILN-Code from BAAN table field TFtccom013.namf , tdsls042.namf or
                                tccom010.namf is mapped to this position .

Processing incoming

EDI Sub-System:
BAAN:

Position	**15**	Field format	**an..10**	Field status	**C**
Field name		**Delivery Address Zip Code**			

Description: This field contains the postal or zip Code referring to the Delivery Address.

Processing outgoing

EDI Sub-System:
BAAN: The Zip Code from BAAN table field TFtccom012.pstc, tdsls042.pstc or tccom010.pstc is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**16**	Field format	**an3**	Field status	**M**
Field name		**Tax ID**			

Description: This field contains the Tax ID of the customer.

Processing outgoing

EDI Sub-System:
BAAN: The Tax ID of my customer is mapped from BAAN TFtccom013.fovn, tdsls042.fovn or tccom010.fovn to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**17**	Field format	**an7**	Field status	**M**
Field name		**Data record end sign**			

Description: This field indicates the end of the data record. It contains the constant value 'SA3_END'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA3_END'.

Processing incoming

EDI Sub-System:
BAAN:

Baan

3.4   SA4   TRADING INVOICE TEXT

Status :   Conditional
Frequency :   Once by invoice number
Description: This data record contains the text information of the order header and is related to SA2.

	ORDERS) INHOUSE FORMAT				Mapping from Application Table Fields		Mapping to Application Fields	
Pos	FIELD DESCRIPTION	Key	ST	FM	Table Field	Action	Table Field	Action
1.	Record type	O/I	M	an3	SA4		SA4	
2.	Message reference	O/I	M	an..14	tcedi701.bano	Generation (see below)	tcedi702.bano	Generation by EDI Sub-System
3.	Supplier Number	O/I	M	an..15	tcedi028.neta		tfacp200.suno	
4.	Invoice number part one	O/I	M	an..3	tdsls480.ttyp			
5.	Invoice number part two	O/I	M	n..8	tdsls480.invn		tfacp200.isup	
6.	Order Number		M	n..9	tdsls045.orno			
7.	Free text 1		C	an..70	tdsls040.txta		tfacp200.text	
8.	Free text 2		C	an..70	tdsls040.txta		tfacp200.text	
9.	Free text 3		C	an..70	tdsls040.txta		tfacp200.text	
10.	Free text 4		C	an..70	tdsls040.txta		tfacp200.text	
11.	Free text 5		C	an..70	tdsls040.txta		tfacp200.text	
12.	Data record end sign		M	an7	SA4_END		SA4_END	

Detailed Description:	**Trading Invoice Text**
Kind of data record:	**SA4 Trading Invoice Text**

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Kind of data record**		(Key field out/in)	

Description: This field identifies the kind of data record (record type) in the message block. It contains the constant value 'SA2'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA2'.

Processing incoming

EDI Sub-System: This field will be filled with the constant value 'SA2'.
BAAN:

Position	**2**	Field format	**an..14**	Field status	**M**
Field name		**Message reference**		(Key field out/in)	

Description: This field identifies all connected data records of one Invoice. The numbering of the message reference, which has to be clear by Invoice, helps to control the chronological order of the Invoice and the complete transmission.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2.

Processing incoming

EDI Sub-System: Refer to data record SA2
BAAN:

Position	**3 out**	Field format	**an..15**	Field status	**M**
Field name		**Customer code**		(Key field out)	

Description: This field contains the identification code of the customer on the supplier side.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2

Position	**3 in**	Field format	**an..17**	Field status	**M**
Field name		**Supplier code**		(Key field in)	

Description: This field contains the supplier code.

Processing incoming

EDI Sub-System: Refer to data record SA2
BAAN: Refer to data record SA2.
A Conversion of the supplier number via the network address of the supplier is possible.

Position	**4**	Field format	**an..3**	Field status	**M**
Field name		**Invoice Number Part One**		(Key field in/out)	

Description: This field contains the first part of the Invoice number. It contains an internal information of the invoice type. The Invoice number is only unique, when the type and the number itsself (second part of invoice number) is together.

Processing outgoing

EDI Sub-System: Refer to data record SA2.
BAAN: Refer to data record SA2.

Processing incoming

EDI Sub-System:
BAAN: Refer to data record SA2.

Position	**5**	Field format	**n..8**	Field status	**M**
Field name		**Invoice Number Part Two**		(Key field in/out)	

Description: This field contains the second part of the Invoice number. It contains the Invoice Number itself. The Invoice number is only unique, when the type (first part of invoice number) and the number itsself is together.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2.

Processing incoming

EDI Sub-System:
BAAN: Refer to data record SA2.

Position	**6**	Field format	**n..6**	Field status	**M**
Field name		**Order Number**			

Description: This field contains the Order Number which is defined with the customer.

Processing outgoing

EDI Sub-System: None
BAAN: Refer to data record SA2.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**7**	Field format	**an..70**	Field status	**C**
Field name		**Free text 1**			

Description: This field contains a free text with a maximum of 70 characters.

Processing outgoing

EDI Sub-System:
BAAN: The order header text is mapped from BAAN table field TFtdsls040.txta to
                                   position.

Processing incoming

EDI Sub-System: Transmission of the value from the transmission file.
BAAN: Mapping to BAAN table field TFtfacp200.text

Position	**8**	Field format	**an..70**	Field status	**C**
Field name		**Free text 2**			

Description: This field contains a free text with a maximum of 70 characters.

Processing outgoing

EDI Sub-System:
BAAN: The order header text is mapped from BAAN table field TFtdsls040.txta to
                                   position.

Processing incoming

EDI Sub-System: Transmission of the value from the transmission file.
BAAN: Mapping to BAAN table field TFtfacp200.text

Position	**9**	Field format	**an..70**	Field status	**C**
Field name		**Free text 3**			

Description: This field contains a free text with a maximum of 70 characters.

Processing outgoing

EDI Sub-System:
BAAN: The order header text is mapped from BAAN table field TFtdsls040.txta to
                                   position.

Processing incoming

EDI Sub-System: Transmission of the value from the transmission file.
BAAN: Mapping to BAAN table field TFtfacp200.text

Position	10	Field format	an..70	Field status	C
Field name		**Free text 4**			

Description: This field contains a free text with a maximum of 70 characters.

Processing outgoing

EDI Sub-System:
BAAN: The order header text is mapped from BAAN table field TFtdsls040.txta to
                                          position.

Processing incoming

EDI Sub-System: Transmission of the value from the transmission file.
BAAN: Mapping to BAAN table field TFtfacp200.text

Position	11	Field format	an..70	Field status	C
Field name		**Free text 5**			

Description: This field contains a free text with a maximum of 70 characters.

Processing outgoing

EDI Sub-System:
BAAN: The order header text is mapped from BAAN table field TFtdsls040.txta to
                                          position.

Processing incoming

EDI Sub-System: Transmission of the value from the transmission file.
BAAN: Mapping to BAAN table field TFtfacp200.text

Position	12	Field format	an7	Field status	M
Field name		**Data record end sign**			

Description: This field indicates the end of the data record. It contains the constant value
                                          'SA4_END'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA4_END'.

Processing incoming

EDI Sub-System: This field will be filled with the constant value 'SA4_END'.
BAAN: None

3.5   **SA5   TRADING INVOICE TAX LINES**

Status :   Conditional
Frequency :   repeatable by order number
Description: This data record contains tax information of the invoice and is related to SA2.

Pos	*FIELD DESCRIPTION*	*Key*	*ST*	*FM*	*Table Field*	*Action*	*Table Field*	*Action*
					Mapping from Application Table Fields		*Mapping to Application Fields*	
					SA5		SA5	
1.	Record type	O/I	M	an3				
2.	Message reference	O/I	M	an..14	tcedi701.bano	Generation (see below)	tcedi702.bano	Generation by EDI Sub-System
3.	Supplier number	O/I	M	an..15	tcedi028.neta		tfacp200.suno	
4.	Invoice number part one	O/I	M	an..3	tdsls480.ttyp		tfacp200.isup	
5.	Invoice number part two	O/I	M	n..8	tdsls480.invn			
6.	Sales Order Number		M	n..9	tdsls045.orno			
7.	Invoice Tax Code		C	an..17	tdsls481.cvat	Code and Conversion	tfgld102.cvat	
8.	Invoice Tax Base Amount		C	n.15	tdsls481.bvat	NNNNNNNNNNN.NNN	tfgld102.amnt	
9.	Invoice Tax Amount		C	n..15	tdsls481.avat	NNNNNNNNNNN.NNN	tfgld102.vamt	
10.	Tax Percentages		C	n.7	tdsls481.pvat	NN.NN		
11.	Tax Code Qualifier		M	an3	"VAT"		Qualifier	
12.	Data record end sign		M	an7	SA5_END		SA5_END	

Detailed description:	Trading Invoice Tax Line
Kind of data record:	SA5 Trading Invoice Tax Line

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Kind of data record**		(Key field out/in)	

Description: This field identifies the kind of data record (record type) in the message block. It contains the constant value 'SA5'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA5'.

Processing incoming

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA5'.

Position	**2**	Field format	**an..14**	Field status	**M**
Field name		**Message reference**		(Key field out/in)	

Description: This field identifies all connected data records of one Invoice. The numbering of the message reference, which has to be clear by Invoice, helps to control the chronological order of the Invoice and the complete transmission.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2.

Processing incoming

EDI Sub-System:
BAAN: Refer to data record SA2.

Position	**3 out**	Field format	**an..15**	Field status	**M**
Field name		**Customer code**		(Key field out)	

Description: This field contains the identification code of the customer on the supplier side.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2.

Position	**3 in**	Field format	**an..17**	Field status	**M**
Field name		**Supplier code**		(Key field in)	

Description: This field contains the supplier code.

Processing incoming

EDI Sub-System:	Refer to data record SA2.
BAAN:	Refer to data record SA2.
	A Conversion of the supplier number via the network address of the supplier is possible.

Position	**4**	Field format	**an..3**	Field status	**M**
Field name		**Invoice Number Part One**		(Key field in/out)	

Description: This field contains the first part of the Invoice number. It contains an internal information of the invoice type. The Invoice number is only unique, when the type and the number itsself (second part of invoice number) is together.

Processing outgoing

| EDI Sub-System: | Refer to data record SA2. |
| BAAN: | |

Processing incoming

| EDI Sub-System: | |
| BAAN: | |

Position	**5**	Field format	**n..8**	Field status	**M**
Field name		**Invoice Number Part Two**		(Key field in/out)	

Description: This field contains the second part of the Invoice number. It contains the Invoice Number itself. The Invoice number is only unique, when the type (first part of invoice number) and the number itsself is together.

Processing outgoing

| EDI Sub-System: | |
| BAAN: | |

Processing incoming

| EDI Sub-System: | Refer to data record SA2. |
| BAAN: | |

Position	**6**	Field format	**n..6**	Field status	**M**
Field name		**Order Number**			

Description: This field contains the Order Number which is defined with the customer.

Processing outgoing

| EDI Sub-System: | None |
| BAAN: | Refer to data record SA2. |

Processing incoming

| EDI Sub-System: | |
| BAAN: | None. |

Position	**7**	Field format	**an..17**	Field status	**C**
Field name		**Invoice Tax Code**			

Description: This field contains the invoice tax code. A conversion is possible, if it is agreed upon the business partners.

Processing outgoing

EDI Sub-System:
BAAN: The invoice tax code from BAAN table field TFtdsls481.cvat is mapped to this position. For conversion the BAAN table TBtcedi446 is used. Therefor the qualifier from position 11 is used.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to the BAAN table field TFtfgld102.cvat. A conversion with BAAN table TBtcedi308 is possible. For conversion the Tax Code qualifier is used. This qualifier must be defined in BAAN table TBtcedi240.

Position	**8**	Field format	**an..16**	Field status	**C**
Field name		**Invoice Tax Base Amount**			

Description: This field contains the Invoice Tax Base Amount
                        Format: NNNNNNNNNN.NNNN

Processing outgoing

EDI Sub-System:
BAAN: The Invoice Tax Base Amount is mapped from BAAN table field TFtdsls481.bvat to this position.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to BAAN table field TFtfgld102.amnt.

Position	**9**	Field format	**n..15**	Field status	**C**
Field name		**Invoice Tax Amount**			

Description: The Invoice tax amount of the invoice.
                        Format. NNNNNNNNN.NNNN

Processing outgoing

EDI Sub-System:
BAAN: The invoice tax amount is mapped from BAAN table field TFtdsls481.avat to this position

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to BAAN table field TFtfgld102.vamt

Position	**10**	Field format	**n..7**		Field status	**C**
Field name		**Tax Percentages**				

Description: This field contains the tax percentage related to the invoice.

Processing outgoing

EDI Sub-System:
BAAN: The tax percentage is mapped from BAAN table field TFtdsls481.pvat to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**11**	Field format	**an3**	Field status		**M**
Field name		**Tax Code Qualifier**				

Description: This field indicates the qualifier for the Tax Code if a conversion is needed.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'VAT'.

Processing incoming

EDI Sub-System:
BAAN: Transmission of the value from the message file.
                              This qualifier must be entered in the conversion setup as the qualifier for the Tax Code. It must be defined in the BAAN Table TBtcedi240.

Position	**12**	Field format	**an7**	Field status		**M**
Field name		**Data record end sign**				

Description: This field indicates the end of the data record. It contains the constant value 'SA5_END'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA5_END'.

Processing incoming

EDI Sub-System: This field will be filled with the constant value 'SA5_END'.
BAAN: None

3.6 SA6 TRADING INVOICE ORDER LINES

Status : Conditional, when using receipt matching for incomming invoices it is mandatory
Frequency : repeatable by order number
Description: This data record contains the information of the order lines referring to this invoice.

First: Trading Invoice Lines for normal Items

Pos	FIELD DESCRIPTION (ORDERS) INHOUSE FORMAT	Key	ST	FM	Mapping from Application Table Fields — Table Field	Action	Mapping to Application Fields — Table Field	Action
					SA6		SA6	
1.	Record type		M	an3				
2.	Message reference	O/I	M	an..14	tcedi701.bano	Generation (see below)	tcedi702.bano	Generation by EDI Sub-System
3.	Supplier number	O/I	M	an..15	tcedi028.neta		tfacp200.suno	
4.	Invoice number part one	O/I	M	an..3 an..20	tdsls480.ttyp		tfacp200.isup	
5.	Invoice Number part two	O/I	M	n..8	tdsls480.invn			
6.	Order Number		M	n..9	tdsls045.orno			
7.	Invoice Position Number		C	n..3	tdsls482.pono		tdpur045.pono	
8.	Reference Line Number		C	n..9	tdsls041.epos			
9.	Project Number		C	an..6	tdsls041.cprj			
10.	Qualifier Item Code		M	an2	"SA"		"SA"	
11.	Item Code from the customer/supplier or EAN		C	an..16	tdsls041.item	Code and Conversion	tdpur041.item	Code and Conversion
12.	Item Code Description		C	an..35	tiitm001.dsca			
13.	Item Code		C	an..16	tdsls041.item			
14.	Ordered Quantity		C	n..15	tdsls045.oqua			
15.	Back Order Quantity		C	n..15	tdsls045.bqua			
16.	Delivered Quantity		C	n..15	tdsls045.dqua		tdpur045.iqan	
17.	Sales Unit of the Item		C	an..3	tdsls041.cuqs	Code and Conversion	tdpur041.cuqp	Code and Conversion
18.	Unit Price of the Item		C	n..15	tdsls041.pric			
19.	Sales Price Unit		C	an..3	tdsls041.cups	Code and Conversion		
20.	Delivery Date		C	n..6	tdsls045.ddat			
21.	Net Line Amount in the currency of the order		C	n..15	tdsls045.ammt		tdpur045.iamt	
22.	Dispatch Note Number		C	n..6	tdsls045.dino			
23.	Quantity in Price Unit		C	n..15	tdsls482.pqan			

BAAN

SA6 Invoice Order Lines

	ORDERS) INHOUSE FORMAT				Mapping from Application Table Fields		Mapping to Application Fields	
Pos	FIELD DESCRIPTION	Key	ST	FM	Table Field	Action	Table Field	Action
24.	Invoice Line Amount		C	n..15	tdsls482.amnt			
25.	Invoice Line Discount		C	n..15	tdsls482.disc			
26.	Order Line Text 1		C	an..70	tdsls041.txta(1)			
27.	Order Line Text 2		C	an..70	tdsls041.txta(2)			
28.	Quantity per Lot (in german: Gebinde)		C	n...12		empty position		
29.	EAN Number of the lot item		C	an..35		empty position		
30.	Country of Origin of the item coded		C	an..3	tiitm001.ctyo	Code- and Conversion		
31.	Tax Code Qualifier		M	an3	"VAT"			Qualifier
32.	Percentage of value added tax		C	an..6	tdsls041.cvat	Code- and Conversion tcedi446 Format NNN.NN		
33.	VAT Tax Amount		C	n..12		empty position		
34.	Lable Price		C	n..12		empty position		
35.	Discount Percentage 1		C	n..6	tdsls045.disc(1)	NNN.NN		
36.	Discount Percentage 2		C	n..6	tdsls045.disc(2)	NNN.NN		
37.	Discount Percentage 3		C	n..6	tdsls045.disc(3)	NNN.NN		
38.	Discount Amount 1		C	n..12	tdsls045.damt(1)	NNNNNNNN.NNNN		
39.	Discount Amount 2		C	n..12	tdsls045.damt(2)	NNNNNNNN.NNNN		
40.	Discount Amount 3		C	n..12	tdsls045.damt(3)	NNNNNNNN.NNNN		
41.	Discount Mode 1		C	n..1	tdsls041.dmth(1)	1 : pararllel 2 : cumulative		
42.	Discount Mode 2		C	n..1	tdsls041.dmth(2)	1 : pararllel 2 : cumulative		
43.	Discount Mode 3		C	n..1	tdsls041.dmth(3)	1 : pararllel 2 : cumulative		
44.	Discount Discription 1		C	an..20	tdsls041.cdis(1)	Code and Conversion		
45.	Discount Discription 2		C	an..20	tdsls041.cdis(2)	Code and Conversion		
46.	Discount Discription 3		C	an..20	tdsls041.cdis(3)	Code and Conversion		
47.	Discount Base Amount per dicount (1)		C	n..15		empty position		
48.	Discount Base Amount per dicount (2)		C	n..15		empty position		
49.	Discount Base Amount per dicount (3)		C	n..15		empty position		
50.	Data record end sign		M	an7	SA6_END		SA6_END	

Second: Trading Invoice Lines for cost Items

	ORDERS) INHOUSE FORMAT				Mapping from Application Table Fields		Mapping to Application Fields	
Pos	FIELD DESCRIPTION	Key	ST	FM	Table Field	Action	Table Field	Action
1.	Record type	O/I	M	an3	SA6			
2.	Message reference	O/I	M	an..14	tcedi701.bano	Generation (see below)		
3.	Supplier number	O/I	M	an..15	tcedi028.neta			
4.	Invoice number part one	O/I	M	an..3 an..20	tdsls480.ttyp			
5.	Invoice Number part two	O/I	M	n..8	tdsls480.invn			
6.	Sales Order Number		M	n..9	tdsls045.orno			
7.	Invoice Position Number		C	n..3	tdsls483.pono			
8.	Reference Line Number		C	n..9	tdsls041.epos			
9.	Project Number		C	an..6	tdsls041.cprj	Code and Conversion		
10.	Qualifier Item Code		C	an2	"SA"			
11.	Item Code that is being sold		C	an..16	tdsls041.item	Code and Conversion		
12.	Item Code Description		C	an..35	tiitm001.dsca			
13.	Item Code that is being sold		C	an..16	tdsls041.item			
14.	Ordered Quantity		C	n..15	tdsls045.oqua			
15.	Back Order Quantity		C	n..15	tdsls045.bqua			
16.	Delivered Quantity		C	n..15	tdsls045.dqua			
17.	Sales Unit of the Item		C	an..3	tdsls041.cuqs	Code and Conversion		
18.	Unit Price of the Item		C	n..15	tdsls041.pric	Code and Conversion		
19.	Sales Price Unit		C	an..3	tdsls041.cups			
20.	Delivery Date		C	n..6	tdsls045.ddat			
21.	Net Line Amount in the currency of the order		C	n..15	tdsls045.ammt			
22.	Dispatch Note Number		C	n..6	tdsls045.dino			
23.						empty		
24.	Invoice Line Amount		C	n..15	tdsls483.ammt			
25.	Invoice Line Discount		C	n..15	tdsls483.disc			
26.	Order Line Text 1		C	an..70	tdpur041.txta(1)			
27.	Order Line Text 2		C	an..70	tdpur041.txta(2)			
28.	empty Position for cost items				(.....)			

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Pos	ORDERS) INHOUSE FORMAT FIELD DESCRIPTION	Key	ST	FM	Mapping from Application Table Fields Table Field	Action	Mapping to Application Fields Table Field	Action
29.	empty Position for cost items				(...;...)			
30.	empty Position for cost items				(...;...)			
31.	Tax Code Qualifier		M	an3	"VAT"		Qualifier	
32.	Percentage of value added tax		C	an..6	tdsls041.cvat	Code- and Conversion tcedi446 Format NNN.NN		
33.	VAT Tax Amount		C			empty position		
34.	Lable Price		C			empty position		
35.	Discount Percentage 1		C	n..6	tdsls045.disc(1)	NNN.NN		
36.	Discount Percentage 2		C	n..6	tdsls045.disc(2)	NNN.NN		
37.	Discount Percentage 3		C	n..6	tdsls045.disc(3)	NNN.NN		
38.	Discount Amount 1		C	n..12	tdsls045.damt(1)	NNNNNNN.NNNN		
39.	Discount Amount 2		C	n..12	tdsls045.damt(2)	NNNNNNN.NNNN		
40.	Discount Amount 3		C	n..12	tdsls045.damt(3)	NNNNNNN.NNNN		
41.	Discount Mode 1		C	n..1	tdsls041.dmth(1)	1 : pararllel 2 : cummulative		
42.	Discount Mode 2		C	n..1	tdsls041.dmth(2)	1 : pararllel 2 : cummulative		
43.	Discount Mode 3		C	n..1	tdsls041.dmth(3)	1 : pararllel 2 : cummulative		
44.	Discount Discription 1		C	an..20	tdsls041.cdis(1)	Code and Conversion		
45.	Discount Discription 2		C	an..20	tdsls041.cdis(2)	Code and Conversion		
46.	Discount Discription 3		C	an..20	tdsls041.cdis(3)	Code and Conversion		
47.	Discount Base Amount per dicount (1)		C			empty position		
48.	Discount Base Amount per dicount (2)		C			empty position		
49.	Discount Base Amount per dicount (3)		C			empty position		
50.	Data record end sign		M	an7	SA6_END		SA6_END	

Detailed description:	Invoice related Sales Order Lines
Kind of data record:	SA6 Order Lines

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Kind of data record**		(Key field out/in)	

Description: This field identifies the kind of data record (record type) in the message block. It contains the constant value 'SA6'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA6'.

Processing incoming

EDI Sub-System: This field will be filled with the constant value 'SA6'.
BAAN:

Position	**2**	Field format	**an..14**	Field status	**M**
Field name		**Message reference**		(Key field out/in)	

Description: This field identifies all connected data records of one Invoice. The numbering of the message reference, which has to be clear by Invoice, helps to control the chronological order of the Invoice and the complete transmission.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2.

Processing incoming

EDI Sub-System: Refer to data record SA2
BAAN:

Position	**3 out**	Field format	**an..15**	Field status	**M**
Field name		**Customer code**		(Key field out)	

Description: This field contains the identification code of the customer on the supplier side.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2

Position	**3 in**	Field format	**an..17**	Field status	**M**
Field name		**Supplier code**		(Key field in)	

Description: This field contains the supplier code.

Processing incoming

EDI Sub-System: Refer to data record SA2
BAAN: Refer to data record SA2.
                             A Conversion of the supplier number via the network address of the supplier is
                             possible.

Position	**4**	Field format	**an..3**	Field status	**M**
Field name		**Invoice Number Part One**		(Key field in/out)	

Description: This field contains the first part of the Invoice number. It contains an internal
                             information of the invoice type. The Invoice number is only unique, when the type
                             and the number itsself (second part of invoice number) is together.

Processing outgoing

EDI Sub-System: Refer to data record SA2.
BAAN:

Processing incoming

EDI Sub-System:
BAAN:

Position	**5**	Field format	**n..8**	Field status	**M**
Field name		**Invoice Number Part Two**		(Key field in/out)	

Description: This field contains the second part of the Invoice number. It contains the Invoice
                             Number itself. The Invoice number is only unique, when the type (first part of
                             invoice number) and the number itsself is together.

Processing outgoing

EDI Sub-System: Refer to data record SA2.
BAAN:

Processing incoming

EDI Sub-System: Refer to data record SA2.
BAAN:

Position	**6**	Field format	**n..6**	Field status	**M**
Field name		**Order Number**			

Description: This field contains the Order Number which is defined with the customer.

Processing outgoing

EDI Sub-System: None

BAAN: Refer to data record SA2.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**7**	Field format	**an..16**	Field status	**C**
Field name		**Order Position Number**			

Description: This field contains the Order Position Number.

Processing outgoing

EDI Sub-System:
BAAN: The Sales Order Line number from BAAN table field TFtdsls482.pono is mapped
                                  to this position.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to the BAAN table field TFtdpur045.pono

Position	**8**	Field format	**an..16**	Field status	**C**
Field name		**Reference Line Number**			

Description: This field contains the reference line number. This is the customer purchase order
                                  line number.

Processing outgoing

EDI Sub-System:
BAAN: The Reference line number from BAAN table field TFtdsls041.epos is mapped to
                                  this position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**9**	Field format	**an2**	Field status	**C**
Field name		**Project Number**			

Description: This field contains the Projekt number related to this order.

Processing outgoing

EDI Sub-System:
BAAN: The project number tdsls041.cprj from BAAN table field TFtdsls041.cprj is
                                  mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**10**	Field format	**an2**	Field status	**C**
Field name		**Qualifier Item Code**			

Description: This field contains the qualifier for the item code. The constant value 'SA' indicates, that the supplier item codes are used. The constant "EAN" means, that EAN-Numbers are used. Wich qualifier to be used, is to be defined with the business partner.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA' or 'EAN'.

Processing incoming

EDI Sub-System: This field will be filled with the constant value 'SA', if the supplier item code of position 11 is used. Use Qualifier 'EAN' if EAN-Codes are used.
BAAN: Used as qualifier for the conversion of the item code.

Position	**11**	Field format	**an..15**	Field status	**C**
Field name		**Item Code**			

Description: This field contains the item code. The item code is converted with the qualifier SA or EAN as defined with the business partner.

Processing outgoing

EDI Sub-System:
BAAN: The item code from BAAN table field TFtdsls041.item is mapped after conversion with qualifier SA or EAN to this position.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to BAAN table field TFtdpur041.item after conversion.

Position	**12**	Field format	**an..30**	Field status	**C**
Field name		**Item Code Description**			

Description: This field contains the description of the item.

Processing outgoing

EDI Sub-System:
BAAN: The description of the item from BAAN table field TFtiitm001.dsca is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**13**	Field format	**an..15**	Field status	**C**
Field name		**Item Code**			

Description: This field contains my own the item code without conversion.

Processing outgoing

EDI Sub-System:
BAAN: The item code from BAAN table field TFtdsls041.item is mapped to this position
                                          without conversion.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**14**	Field format	**n..15**	Field status	**C**
Field name		**Ordered Quantity**			

Description: This field contains the quantity ordered on this Order line.
                                          Format: NNNNNNNNNN.NNNN

Processing outgoing

EDI Sub-System:
BAAN: The ordered quantity from BAAN table field TFtdsls045.oqua is mapped to this
                                          position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**15**	Field format	**n..15**	Field status	**C**
Field name		**Back Order Quantity**			

Description: This field contains the back order quantity.
                                          Format: NNNNNNNNNN.NNNN

Processing outgoing

EDI Sub-System:
BAAN: The back order quantity from BAAN table field TFtdsls045.bqua is mapped to this
                                          position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	16	Field format	n..15	Field status	C
Field name		**Delivered Quantity**			

Description: This field contains the delivered quantity of this order.
Format: NNNNNNNNNN.NNNN

Processing outgoing

EDI Sub-System:
BAAN: The delivered quantity from BAAN table field TFtdsls045.dqua is mapped to this position.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to the BAAN table field TFtdpur045.iqan

Position	17	Field format	an..3	Field status	C
Field name		**Sales Unit**			

Description: This field contains the purchase/sales unit of the item. The coding was carried out
on the basis of ODETTE-Standard ODDC 25:

Millimeter	MMT
Centimeter	CMT
Meter	MTR
Kilometer	KMT
Square millimeter	MMK
Square centimeter	CMK
Square meter	MTK
Cubic millimeter	MMQ
Cubic centimeter	CMQ
Cubic meter	MTQ
Liter	DMQ
Gram	GRM
Kilogram	KGM
Metric ton	TON
Piece	PCE

If you want to transfer additional units of measurement, you need to enter them in
the session SEtcedi2130m000 'Maintain units' for the organisation **BEM**.

Processing outgoing

EDI Sub-System:
BAAN: The sales unit from BAAN table field TFtdsls041.cuqs is mapped to this position
and converted with BAAN table TBtcedi442.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to the BAAN table field TFtdpur041.cuqp and conversion with BAAN
table TBtcedi304.

Position	**18**	Field format	**n..15**	Field status	**C**
Field name		**Unit Price**			

Description: This field contains the price per unit.
                                     Format: NNNNNNNNNN.NNNN

Processing outgoing

EDI Sub-System:
BAAN: The price per unit from BAAN table field TFtdsls041.pric is mapped to this
                                     position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**19**	Field format	**n..6**	Field status	**C**
Field name		**Sales Price Unit**			

Description: This field contains the purchase/sales price unit of the item. The coding was carried
                                     out on the basis of ODETTE-Standard ODDC 25:

Millimeter	MMT
Centimeter	CMT
Meter	MTR
Kilometer	KMT
Square millimeter	MMK
Square centimeter	CMK
Square meter	MTK
Cubic millimeter	MMQ
Cubic centimeter	CMQ
Cubic meter	MTQ
Liter	DMQ
Gram	GRM
Kilogram	KGM
Metric ton	TON
Piece	PCE

                                     If you want to transfer additional units of measurement, you need to enter them in
                                     the session SEtcedi2130m000 'Maintain units' for the organisation **BEM**.

Processing outgoing

EDI Sub-System:
BAAN: The sales price unit from BAAN table field TFtdsls041.cups is mapped to this
                                     position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**20**	Field format	**an..6**	Field status	**C**
Field name		**Delivery Date**			

Description: This field contains the delivery date.
                               Format: YYYYMMDD

Processing outgoing

EDI Sub-System:
BAAN: The delivery date from BAAN table field TFtdsls045.ddat is mapped to this
                               position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**21**	Field format	**n..15**	Field status	**C**
Field name		**Net Line Amount in the currency of the order**			

Description: This field contains the net line amount in the currency of the order.

Processing outgoing

EDI Sub-System:
BAAN: The net line amount of the sales order from BAAN table field TFtdsls045.amnt is
                               mapped to this position .

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to the BAAN table field TFtdpur045.iamt

Position	**22**	Field format	**n..15**	Field status	**C**
Field name		**Dispatch Note Number**			

Description: This field contains the Dispatch Note Number

Processing outgoing

EDI Sub-System:
BAAN: The number of the dispatch note from BAAN table field TFtdsls045.fono is
                               mapped to this position .

Processing incoming

EDI Sub-System:
BAAN: None

Position	**23**	Field format	**n..15**	Field status	**C**
Field name		**Quantity in Price Unit**			

Description: This field contains quantity in the price unit.
                             Format: NNNNNNNNNN.NNNN

Processing outgoing

EDI Sub-System:
BAAN: The quantity in the price unit from BAAN table field TFtdsls482.pqan is mapped to
                             this position .

Processing incoming

EDI Sub-System:
BAAN: None

Position	**24**	Field format	**an3**	Field status	**C**
Field name		**Invoice Line Amount**			

Description: The field contains the Invoice Line Amount.

Processing outgoing

EDI Sub-System:
BAAN: The Invoice Line Amount from BAAN table field TFtdsls482.amnt is mapped to
                             this position .

Processing incoming

EDI Sub-System:
BAAN: None

Position	**25**	Field format	**an..20**	Field status	**C**
Field name		**Invoice Line Discount**			

Description: This field contains the Invoice Line Discount.

Processing outgoing

EDI Sub-System:
BAAN: The Invoice Line discount from BAAN table field TFtdsls482.disc is mapped to
                             this position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**26**	Field format	**an..70**	Field status	**C**
Field name		**Order Line Text 1**			

Description: This field contains the first part of the Order line text.

Processing outgoing

EDI Sub-System:
BAAN: The first part of the Order line text from BAAN table field TFtdsls041.txta(1) is
mapped to this position.

Processing incoming

EDI Sub-System: None
BAAN:

Position	**27**	Field format	**an..70**	Field status	**C**
Field name		**Order Line Text 2**			

Description: This field contains the second part of the Order line text.

Processing outgoing

EDI Sub-System:
BAAN: The second part of the Order line text from BAAN table field TFtdsls041.txta(2) is
mapped to this position .

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**28**	Field format	**n..12**	Field status	**C**
Field name		**Quantity per Lot (in german: Gebinde)**			

Description: This field contains the quantity per Lot.

Processing outgoing

EDI Sub-System:
BAAN: None. Empty Position

Processing incoming

EDI Sub-System: None
BAAN:

Position	**29**	Field format	**an..35**	Field status	**C**
Field name		**EAN Number of the lot item**			

Description: This field contains the EAN number of the lot item.

Processing outgoing

EDI Sub-System:
BAAN: None. Empty Position

Processing incoming

EDI Sub-System: None
BAAN:

Position	**30**	Field format	**an..3**	Field status	**C**
Field name		**Country of Origin of the item coded**			

Description: This field contains the coded Country Code of the item. The following country
codes are defined in BAAN table TBtcedi226 according to ODDC 6:
AT: Austria
BE: Belgium
CH: Switzerland
DE: Federal Republik of Germany
DK: Denmark
ES: Spain
FI: Finland
FR: France
GB: United Kingdom
GR: Greece
IE: Ireland
IT: Italy
LU: Luxembourg
NL: Netherlands
NO: Norway
PT: Portugal
SE: Sweden
TR: Turkey
YU: Yugoslavia

Processing outgoing

EDI Sub-System:
BAAN: The country code from BAAN table field Tftiitm001.ctyo is mapped to this position
.

Processing incoming

EDI Sub-System: None
BAAN:

Position	**31**	Field format	**an3**	Field status	**M**
Field name		**Tax Code Qualifier**			

Description: This field contains the Tax Code ID Qualifier "VAT".

Processing outgoing

EDI Sub-System:
BAAN: This field is filled with the constant value "VAT".

Processing incoming

EDI Sub-System:
BAAN: None

Position	**32**	Field format	**an..6**	Field status	**C**
Field name		**Percentage of value added tax**			

Description: This field contains the tax code. It indicates how much tax (%) will be charged.The conversion is done using the BAAN table TBtcedi242 is filled.

Processing outgoing

EDI Sub-System:
BAAN: The tax code from BAAN table field TFtdpur041.cvat is mapped to this position and converted with BAAN table TBtcedi446.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**33**	Field format	**n..12**	Field status	**C**
Field name		**VAT Tax Amount**			

Description: This field contains the VAT tax amount.

Processing outgoing

EDI Sub-System:
BAAN: None. empty position

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**34**	Field format	**n..12**	Field status	**C**
Field name		**Lable Price**			

Description: This field contains the lable price.

Processing outgoing

EDI Sub-System:
BAAN: None. empty position

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**35**	Field format	**n..6**	Field status	**C**
Field name		**Discount Percentage 1**			

Description: This field contains the discount percentage 1 that applies to the order line amount.
Fieldformat: NNN.NN.

Processing outgoing

EDI Sub-System:
BAAN: The discount percentage 1 from BAAN table field Tftdpur045.disc(1) is mapped to
this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**36**	Field format	**n..6**	Field status	**C**
Field name		**Discount Percentage 2**			

Description: This field contains the discount percentage 2 that applies to the order line amount.
Fieldformat: NNN.NN.

Processing outgoing

EDI Sub-System:
BAAN: The discount percentage 2 from BAAN table field Tftdpur045.disc(2) is mapped to
this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	37	Field format	n..6	Field status	C
Field name		**Discount Percentage 3**			

Description: This field contains the discount percentage 3 that applies to the order line amount.
Fieldformat: NNN.NN.

Processing outgoing

EDI Sub-System:
BAAN: The discount percentage 3 from BAAN table field Tftdpur045.disc(3) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	38	Field format	n..12	Field status	C
Field name		**Discount Amount 1**			

Description: This field contains the discount amount 1 by unit. For each discount level, you can record a discount amount or a discount percentage.
Fieldformat: NNNNNNN.NNNN.

Processing outgoing

EDI Sub-System:
BAAN: The discount amount 1 from BAAN table field Tftdpur045.damt(1) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	39	Field format	n..12	Field status	C
Field name		**Discount Amount 2**			

Description: This field contains the discount amount 2 by unit. For each discount level, you can record a discount amount or a discount percentage.
Fieldformat: NNNNNNN.NNNN.

Processing outgoing

EDI Sub-System:
BAAN: The discount amount 2 from BAAN table field Tftdpur045.damt(2) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**40**	Field format	**n..12**	Field status	**C**
Field name		**Discount Amount 3**			

Description: This field contains the discount amount 3 by unit. For each discount level, you can record a discount amount or a discount percentage.
Fieldformat: NNNNNNN.NNNN.

Processing outgoing

EDI Sub-System:
BAAN: The discount amount 3 from BAAN table field Tftdpur045.damt(3) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**41**	Field format	**n1**	Field status	**C**
Field name		**Discount Mode 1**			

Description: This field contains the code for the dicount mode 1. Two modes are available:
Parallel
The discount is calculated over the gross amount. Discount amounts are always calculated over gross amounts.
Cumulative
The discount is calculated over the net amount. The net amount is equal to the gross amount less the discount of the previous levels.
1 in the message means paralel
2 in the message means cumulative

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount mode 1 from BAAN table field Tftdpur041.dmth(1) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**42**	Field format	**n1**	Field status	**C**
Field name		**Discount Mode 2**			

Description: This field contains the code for the dicount mode 2. Two modes are available:
Parallel
The discount is calculated over the gross amount. Discount amounts are always calculated over gross amounts.
Cumulative
The discount is calculated over the net amount. The net amount is equal to the gross amount less the discount of the previous levels.
1 in the message means paralel
2 in the message means cumulative

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount mode 2 from BAAN table field Tftdpur041.dmth(2) is
                               mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	43	Field format	n1	Field status	C
Field name		**Discount Mode 3**			

Description: This field contains the code for the dicount mode 3. Two modes are available:
                               Parallel
                               The discount is calculated over the gross amount. Discount amounts are always
                               calculated over gross amounts.
                               Cumulative
                               The discount is calculated over the net amount. The net amount is equal to the gross
                               amount less the discount of the previous levels.
                               1 in the message means paralel
                               2 in the message means cumulative

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount mode 3 from BAAN table field Tftdpur041.dmth(3) is
                               mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	44	Field format	an..20	Field status	C
Field name		**Discount Description 1**			

Description: This position contains the descripton of the discount 1

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount description 1 from BAAN table field Tftdpur041.cdis(1)
                               is converted by using the Code – and Conversion Table Tftcedi474 (Conversion of
                               Discount Codes by Relation (out)) and mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**45**	Field format	**an..20**	Field status	**C**
Field name		**Discount Description 2**			

Description: This position contains the descripton of the discount 2

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount description 2 from BAAN table field Tftdpur041.cdis(2) is converted by using the Code – and Conversion Table Tftcedi474 (Conversion of Discount Codes by Relation (out)) and mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**46**	Field format	**an..20**	Field status	**C**
Field name		**Discount Description 3**			

Description: This position contains the descripton of the discount 3

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount description 3 from BAAN table field Tftdpur041.cdis(3) is converted by using the Code – and Conversion Table Tftcedi474 (Conversion of Discount Codes by Relation (out)) and mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**47**	Field format	**n..15**	Field status	**C**
Field name		**Discount Base Amount per discount (1)**			

Description: This position contains the discount base amount per discount.

Processing outgoing

EDI Sub-System:
BAAN: None.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**48**	Field format	**n..15**	Field status	**C**
Field name		**Discount Base Amount per discount (2)**			

Description: This position contains the discount base amount per discount.

Processing outgoing

EDI Sub-System:
BAAN: None.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**49**	Field format	**n..15**	Field status	**C**
Field name		**Discount Base Amount per discount (3)**			

Description: This position contains the discount base amount per discount.

Processing outgoing

EDI Sub-System:
BAAN: None.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**50**	Field format	**an7**	Field status	**M**
Field name		**Data record end sign**			

Description: This field indicates the end of the data record. It contains the constant value
                                     'SA6_END'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA6_END'.

Processing incoming

EDI Sub-System: This field will be filled with the constant value 'SA6_END'.
BAAN: None

Second: Trading Invoice Lines for cost items

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Kind of data record**		(Key field out/in)	

Description: This field identifies the kind of data record (record type) in the message block. It contains the constant value 'SA6'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA6'.

Processing incoming

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA6'.

Position	**2**	Field format	**an..14**	Field status	**M**
Field name		**Message reference**		(Key field out/in)	

Description: This field identifies all connected data records of one Invoice. The numbering of the message reference, which has to be clear by Invoice, helps to control the chronological order of the Invoice and the complete transmission.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2.

Processing incoming

EDI Sub-System:
BAAN: Refer to data record SA2

Position	**3 out**	Field format	**an..15**	Field status	**M**
Field name		**Customer code**		(Key field out)	

Description: This field contains the identification code of the customer on the supplier side.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA2

Position	**3 in**	Field format	**an..17**	Field status	**M**
Field name		**Supplier code**		(Key field in)	

Description: This field contains the supplier code.

Processing incoming

EDI Sub-System: Refer to data record SA2

BAAN:	Refer to data record SA1. A Conversion of the supplier number via the network address of the supplier is possible.

Position	**4**	Field format	**an..3**	Field status	**M**
Field name		**Invoice Number Part One**		(Key field in/out)	

Description: This field contains the first part of the Invoice number. It contains an internal information of the invoice type. The Invoice number is only unique, when the type and the number itsself (second part of invoice number) is together.

Processing outgoing

EDI Sub-System: Refer to data record SA2.
BAAN:

Processing incoming

EDI Sub-System:
BAAN:

Position	**5**	Field format	**n..8**	Field status	**M**
Field name		**Invoice Number Part Two**		(Key field in/out)	

Description: This field contains the second part of the Invoice number. It contains the Invoice Number itself. The Invoice number is only unique, when the type (first part of invoice number) and the number itsself is together.

Processing outgoing

EDI Sub-System: Refer to data record SA2.
BAAN:

Processing incoming

EDI Sub-System: Refer to data record SA2.
BAAN:

Position	**6**	Field format	**n..6**	Field status	**M**
Field name		**Order Number**			

Description: This field contains the Order Number which is defined with the customer.

Processing outgoing

EDI Sub-System: None
BAAN: Refer to data record SA2.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**7**	Field format	**an..16**	Field status	**C**
Field name		**Order Position Number**			

Description: This field contains the Order Position Number.

Processing outgoing

EDI Sub-System:
BAAN: The Sales Order Line number from BAAN table field TFtdsls483.pono is mapped
                                          to this position.

Processing incoming

EDI Sub-System: Transmission of the value from the message file.
BAAN: Mapping to the BAAN table field TFtdpur045.pono

Position	**8**	Field format	**an..16**	Field status	**C**
Field name		**Reference Line Number**			

Description: This field contains the reference line number. This is the customer line number.

Processing outgoing

EDI Sub-System:
BAAN: The Reference line number from BAAN table field tdsls041.epos is mapped to this
                                          position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**9**	Field format	**an2**	Field status	**C**
Field name		**Project Number**			

Description: This field contains the Projekt number related to this order.

Processing outgoing

EDI Sub-System:
BAAN: The project number tdsls041.cprj from BAAN table field TFtdsls041.cprj is
                                          mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**10**	Field format	**an2**	Field status	**C**
Field name		**Qualifier Item Code**			

Description: This field contains the qualifier for the item code. The constant value 'SA' indicates, that the supplier item codes are used. The constant 'EAN' means, that EAN-Numbers are used. Wich conversion is used, has to be defined with the business partner.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA' or 'EAN'.

Processing incoming

EDI Sub-System:
BAAN:

Position	**11**	Field format	**an..15**	Field status	**C**
Field name		**Item Code**			

Description: This field contains the item code. The item code is converted with the qualifier SA or EAN as defined with the business partner.

Processing outgoing

EDI Sub-System:
BAAN: The item code from BAAN table field TFtdsls041.item is mapped after conversion with qualifier SA or EAN to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**12**	Field format	**an..30**	Field status	**C**
Field name		**Item Code Description**			

Description: This field contains the description of the item.

Processing outgoing

EDI Sub-System:
BAAN: The description of the item from BAAN table field TFtiitm001.dsca is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**13**	Field format	**an..15**	Field status	**C**
Field name		**Item Code**			

Description: This field contains my own item code without conversion.

Processing outgoing

EDI Sub-System:
BAAN: The item code from BAAN table field TFtdsls041.item is mapped to this position
                                without conversion.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**14**	Field format	**n..15**	Field status	**C**
Field name		**Ordered Quantity**			

Description: This field contains the quantity ordered on this Order line.
                                Format: NNNNNNNNNN.NNNN

Processing outgoing

EDI Sub-System:
BAAN: The ordered quantity from BAAN table field TFtdsls045.oqua is mapped to this
                                position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**15**	Field format	**n..15**	Field status	**C**
Field name		**Back Order Quantity**			

Description: This field contains the back order quantity.
                                Format: NNNNNNNNNN.NNNN

Processing outgoing

EDI Sub-System:
BAAN: The back order quantity from BAAN table field TFtdsls045.bqua is mapped to this
                                position.

Processing incoming

EDI Sub-System:
BAAN: None

Position	**16**	Field format	**n..15**	Field status	**C**
Field name		**Delivered Quantity**			

Description: This field contains the delivered quantity of this order.
                                  Format: NNNNNNNNNN.NNNN

Processing outgoing

EDI Sub-System:
BAAN: The delivered quantity from BAAN table field TFtdsls045.dqua is mapped to this
                                  position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**17**	Field format	**an..3**	Field status	**C**
Field name		**Sales Unit**			

Description: This field contains the purchase/sales unit of the item. The coding was carried out
                                  on the basis of ODETTE-Standard ODDC 25:

Millimeter	MMT
Centimeter	CMT
Meter	MTR
Kilometer	KMT
Square millimeter	MMK
Square centimeter	CMK
Square meter	MTK
Cubic millimeter	MMQ
Cubic centimeter	CMQ
Cubic meter	MTQ
Liter	DMQ
Gram	GRM
Kilogram	KGM
Metric ton	TON
Piece	PCE

If you want to transfer additional units of measurement, you need to enter them in
the session SEtcedi2130m000 'Maintain units' for the organisation **BEM**.

Processing outgoing

EDI Sub-System:
BAAN: The sales unit from BAAN table field TFtdsls041.cuqs is mapped to this position
                                  and converted with BAAN table TBtcedi442.

Processing incoming

EDI Sub-System:
BAAN:

Position	**18**	Field format	**n..15**	Field status	**C**
Field name		**Unit Price**			

Description: This field contains the price per unit.
                                Format: NNNNNNNNNN.NNNN

Processing outgoing

EDI Sub-System:
BAAN:

Processing incoming

EDI Sub-System:
BAAN: None

Position	**19**	Field format	**n..6**	Field status	**C**
Field name		**Sales Price Unit**			

Description: This field contains the purchase/sales price unit of the item. The coding was carried
                                out on the basis of ODETTE-Standard ODDC 25:

Millimeter	MMT
Centimeter	CMT
Meter	MTR
Kilometer	KMT
Square millimeter	MMK
Square centimeter	CMK
Square meter	MTK
Cubic millimeter	MMQ
Cubic centimeter	CMQ
Cubic meter	MTQ
Liter	DMQ
Gram	GRM
Kilogram	KGM
Metric ton	TON
Piece	PCE

If you want to transfer additional units of measurement, you need to enter them in
the session SEtcedi2130m000 'Maintain units' for the organisation **BEM**.

Processing outgoing

EDI Sub-System:
BAAN: The sales price unit from BAAN table field TFtdsls041.cups is mapped to this
                                position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**20**	Field format	**an..6**	Field status	**C**
Field name		**Delivery Date**			

Description: This field contains the delivery date.
                                     Format: YYYYMMDD

Processing outgoing

EDI Sub-System:
BAAN: The delivery date from BAAN table field TFtdsls045.ddat is mapped to this
                                     position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**21**	Field format	**n..15**	Field status	**C**
Field name		**Net Line Amount in the currency of the order**			

Description: This field contains the net line amount in the currency of the order.

Processing outgoing

EDI Sub-System:
BAAN: The net line amount of the sales order from BAAN table field TFtdsls045.amnt is
                                     mapped to this position .

Processing incoming

EDI Sub-System:
BAAN:

Position	**22**	Field format	**n..15**	Field status	**C**
Field name		**Dispatch Note Number**			

Description: This field contains the Dispatch Note Number

Processing outgoing

EDI Sub-System:
BAAN: The number of the dispatch note from BAAN table field TFtdsls045.fono is
                                     mapped to this position .

Processing incoming

EDI Sub-System:
BAAN: None

Position	**23**	Field format	**n..15**	Field status	**C**
Field name					

Description:

Processing outgoing

EDI Sub-System:
BAAN: Empty

Processing incoming

EDI Sub-System:
BAAN: Empty

Position	**24**	Field format	**an3**	Field status	**C**
Field name		**Invoice Line Amount**			

Description: The field contains the Invoice Line Amount.

Processing outgoing

EDI Sub-System:
BAAN: The Invoice Line Amount from BAAN table field TFtdsls483.amnt is mapped to this position .

Processing incoming

EDI Sub-System:
BAAN: None

Position	**25**	Field format	**an..20**	Field status	**C**
Field name		**Invoice Line Discount**			

Description: This field contains the Invoice Line Discount.

Processing outgoing

EDI Sub-System:
BAAN: The Invoice Line discount from BAAN table field TFtdsls483.disc is mapped to this position.

Processing incoming

EDI Sub-System: None
BAAN:

Position	**26**	Field format	**an..70**	Field status	**C**
Field name		**Order Line Text 1**			

Description: This field contains the first part of the Order line text.

Processing outgoing

EDI Sub-System:
BAAN: The first part of the Order line text from BAAN table field TFtdsls041.txta(1) is mapped to this position.

Processing incoming

EDI Sub-System: None
BAAN:

Position	**27**	Field format	**an..70**	Field status	**C**
Field name		**Order Line Text 2**			

Description: This field contains the second part of the Order line text.

Processing outgoing

EDI Sub-System:
BAAN: The second part of the Order line text from BAAN table field TFtdsls041.txta(2) is mapped to this position .

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**28**	Field format	**n..12**	Field status	**C**
Field name		**empty Position for cost items**			

Description: empty Position for cost items this means (..;..)

Processing outgoing

EDI Sub-System:
BAAN: None. Empty Position

Processing incoming

EDI Sub-System: None
BAAN:

Position	29	Field format	an..35	Field status	C
Field name		**empty Position for cost items**			

Description: empty Position for cost items this means (..;;..).

Processing outgoing

EDI Sub-System:
BAAN: None. Empty Position

Processing incoming

EDI Sub-System:
BAAN: None

Position	30	Field format	an..3	Field status	C
Field name		**empty Position for cost items**			

Description:

Processing outgoing

EDI Sub-System:
BAAN: None

Processing incoming

EDI Sub-System:
BAAN: None

Position	31	Field format	an3	Field status	M
Field name		**Tax Code Qualifier**			

Description: This field contains the Tax Code ID Qualifier "VAT".

Processing outgoing

EDI Sub-System:
BAAN: This field is filled with the constant value "VAT".

Processing incoming

EDI Sub-System:
BAAN: None

Position	**32**	Field format	**an..6**	Field status	**C**
Field name		**Percentage of value added tax**			

Description: This field contains the tax code. It indicates how much tax (%) will be charged.The
conversion is done using the BAAN table TBtcedi242 is filled.

Processing outgoing

EDI Sub-System:
BAAN: The tax code from BAAN table field TFtdpur041.cvat is mapped to this position
and converted with BAAN table TBtcedi446.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**33**	Field format	**n..12**	Field status	**C**
Field name		**VAT Tax Amount**			

Description: This field contains the VAT tax amount.

Processing outgoing

EDI Sub-System:
BAAN: None. empty position

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**34**	Field format	**n..12**	Field status	**C**
Field name		**Lable Price**			

Description: This field contains the lable price.

Processing outgoing

EDI Sub-System:
BAAN: None. empty position

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**35**	Field format	**n..6**	Field status	**C**
Field name		**Discount Percentage 1**			

Description: This field contains the discount percentage 1 that applies to the order line amount. Fieldformat: NNN.NN.

Processing outgoing

EDI Sub-System:
BAAN: The discount percentage 1 from BAAN table field Tftdpur045.disc(1) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**36**	Field format	**n..6**	Field status	**C**
Field name		**Discount Percentage 2**			

Description: This field contains the discount percentage 2 that applies to the order line amount. Fieldformat: NNN.NN.

Processing outgoing

EDI Sub-System:
BAAN: The discount percentage 2 from BAAN table field Tftdpur045.disc(2) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**37**	Field format	**n..6**	Field status	**C**
Field name		**Discount Percentage 3**			

Description: This field contains the discount percentage 3 that applies to the order line amount. Fieldformat: NNN.NN.

Processing outgoing

EDI Sub-System:
BAAN: The discount percentage 3 from BAAN table field Tftdpur045.disc(3) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**38**	Field format	**n..12**	Field status	**C**
Field name		**Discount Amount 1**			

Description: This field contains the discount amount 1 by unit. For each discount level, you can record a discount amount or a discount percentage.
Fieldformat: NNNNNNN.NNNN.

Processing outgoing

EDI Sub-System:
BAAN: The discount amount 1 from BAAN table field Tftdpur045.damt(1) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**39**	Field format	**n..12**	Field status	**C**
Field name		**Discount Amount 2**			

Description: This field contains the discount amount 2 by unit. For each discount level, you can record a discount amount or a discount percentage.
Fieldformat: NNNNNNN.NNNN.

Processing outgoing

EDI Sub-System:
BAAN: The discount amount 2 from BAAN table field Tftdpur045.damt(2) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**40**	Field format	**n..12**	Field status	**C**
Field name		**Discount Amount 3**			

Description: This field contains the discount amount 3 by unit. For each discount level, you can record a discount amount or a discount percentage.
Fieldformat: NNNNNNN.NNNN.

Processing outgoing

EDI Sub-System:
BAAN: The discount amount 3 from BAAN table field Tftdpur045.damt(3) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**41**	Field format	**n1**	Field status	**C**
Field name		**Discount Mode 1**			

Description: This field contains the code for the dicount mode 1. Two modes are available:
Parallel
The discount is calculated over the gross amount. Discount amounts are always
calculated over gross amounts.
Cumulative
The discount is calculated over the net amount. The net amount is equal to the gross
amount less the discount of the previous levels.
1 in the message means paralel
2 in the message means cumulative

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount mode 1 from BAAN table field Tftdpur041.dmth(1) is
mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**42**	Field format	**n1**	Field status	**C**
Field name		**Discount Mode 2**			

Description: This field contains the code for the dicount mode 2. Two modes are available:
Parallel
The discount is calculated over the gross amount. Discount amounts are always
calculated over gross amounts.
Cumulative
The discount is calculated over the net amount. The net amount is equal to the gross
amount less the discount of the previous levels.
1 in the message means paralel
2 in the message means cumulative

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount mode 2 from BAAN table field Tftdpur041.dmth(2) is
mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	43	Field format	n1	Field status	C
Field name		**Discount Mode 3**			

Description: This field contains the code for the dicount mode 3. Two modes are available:
Parallel
The discount is calculated over the gross amount. Discount amounts are always calculated over gross amounts.
Cumulative
The discount is calculated over the net amount. The net amount is equal to the gross amount less the discount of the previous levels.
1 in the message means paralel
2 in the message means cumulative

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount mode 3 from BAAN table field Tftdpur041.dmth(3) is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	44	Field format	an..20	Field status	C
Field name		**Discount Description 1**			

Description: This position contains the descripton of the discount 1

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount description 1 from BAAN table field Tftdpur041.cdis(1) is converted by using the Code – and Conversion Table Tftcedi474 (Conversion of Discount Codes by Relation (out)) and mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	45	Field format	an..20	Field status	C
Field name		**Discount Description 2**			

Description: This position contains the descripton of the discount 2

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount description 2 from BAAN table field Tftdpur041.cdis(2) is converted by using the Code – and Conversion Table Tftcedi474 (Conversion of Discount Codes by Relation (out)) and mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	46	Field format	**an..20**	Field status	**C**
Field name		**Discount Description 3**			

Description: This position contains the descripton of the discount 3

Processing outgoing

EDI Sub-System:
BAAN: The code for the discount description 3 from BAAN table field Tftdpur041.cdis(3) is converted by using the Code – and Conversion Table Tftcedi474 (Conversion of Discount Codes by Relation (out)) and mapped to this position.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	47	Field format	**n..15**	Field status	**C**
Field name		**Discount Base Amount per discount (1)**			

Description: This position contains the discount base amount per discount.

Processing outgoing

EDI Sub-System:
BAAN: None.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	48	Field format	**n..15**	Field status	**C**
Field name		**Discount Base Amount per discount (2)**			

Description: This position contains the discount base amount per discount.

Processing outgoing

EDI Sub-System:
BAAN: None.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**49**	Field format	**n..15**	Field status	**C**
Field name		**Discount Base Amount per discount (3)**			

Description: This position contains the discount base amount per discount.

Processing outgoing

EDI Sub-System:
BAAN: None.

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**50**	Field format	**an7**	Field status	**M**
Field name		**Data record end sign**			

Description: This field indicates the end of the data record. It contains the constant value
                             'SA6_END'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA6_END'.

Processing incoming

EDI Sub-System: This field will be filled with the constant value 'SA6_END'.
BAAN: None

3.7   SA7 TRADING INVOICE LINE SPECIFIC ADDRESS

Status :   Conditional
Frequency :   Once by order line number. Only used for outgoing messages.
Description: This data record contains the Address information of the order line, if it is different form the address of the order header. It is related to SA6.

	ORDER INHOUSE FORMAT				Mapping from Application Table Fields		Mapping to Application Fields	
Pos	FIELD DESCRIPTION	Key	ST	FM	Table Field	Action	Table Field	Action
1.	Record type	O/I	M	an3	SA7			
2.	Message reference	O/I	M	an..14	tcedi701.bano	Generation (see below)		
3.	Supplier number	O/I	M	an..15	tcedi028.neta			
4.	Invoice number part one	O/I	M	an..3	tdsls480.ttyp			
5.	Invoice number part two	O/I	M	n..8	tdsls480.invn			
6.	Sales Order Number	O/I	M	n..9	tdsls045.orno			
7.	Invoice Position Number	O/I	M	n..3	tdsls482.pono (for normal items) tdsls483.pono (for cost items)			
8.	Address Qualifier Delivery Address		M	an1	tcedi224.code	here: "0"		
9.	Delivery Address Country		C	an..6	tdsls042.ccty	Code and Conversion		
10.	Delivery Address first part of the name		C	an..35	tdsls042.nama			
11.	Delivery Address second part of the name		C	an..30	tdsls042.namb			
12.	Delivery Address		C	an..30	tdsls042.namc			
13.	Delivery Address 2		C	an..30	tdsls042.namd			
14.	Delivery Address City		C	an..30	tdsls042.name			
15.	Delivery Address. further information for city e.g. province/country		C	an..30	tdsls042.namf			
16.	Delivery Address Zip Code		C	an..10	tdsls042.pstc			
17.	Data record end sign		M	an7	SA7_END		SA7_END	

Detailed description:	Delivery Address per Order line
Kind of data record:	SA7 Delivery Address per Order line

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Kind of data record**		(Key field out/in)	

Description: This field identifies the kind of data record (record type) in the message block. It contains the constant value 'SA7'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA7'.

Processing incoming

EDI Sub-System: This field will be filled with the constant value 'SA7'.
BAAN:

Position	**2**	Field format	**an..14**	Field status	**M**
Field name		**Message reference**		(Key field out/in)	

Description: This field identifies all connected data records of one Invoice. The numbering of the message reference, which has to be clear by Invoice, helps to control the chronological order of the Invoice and the complete transmission.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA6.

Processing incoming

EDI Sub-System: Refer to data record SA6
BAAN:

Position	**3 out**	Field format	**an..15**	Field status	**M**
Field name		**Customer code**		(Key field out)	

Description: This field contains the identification code of the customer on the supplier side.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA6

Position	**3 in**	Field format	**an..17**	Field status	**M**
Field name		**Supplier code**		(Key field in)	

Description: This field contains the supplier code.

Processing incoming

EDI Sub-System: Refer to data record SA6
BAAN: Refer to data record SA6.
                                          A Conversion of the supplier number via the network address of the supplier is
                                          possible.

Position	**4**	Field format	**an..3**	Field status	**M**
Field name		**Invoice Number Part One**		(Key field in/out)	

Description: This field contains the first part of the Invoice number. It contains an internal
                                          information of the invoice type. The Invoice number is only unique, when the type
                                          and the number itsself (second part of invoice number) is together.

Processing outgoing

EDI Sub-System: Refer to data record SA6.
BAAN:

Processing incoming

EDI Sub-System:
BAAN:

Position	**5**	Field format	**n..8**	Field status	**M**
Field name		**Invoice Number Part Two**		(Key field in/out)	

Description: This field contains the second part of the Invoice number. It contains the Invoice
                                          Number itself. The Invoice number is only unique, when the type (first part of
                                          invoice number) and the number itsself is together.

Processing outgoing

EDI Sub-System: Refer to data record SA6.
BAAN:

Processing incoming

EDI Sub-System: Refer to data record SA6.
BAAN:

Position	**6**	Field format	**n..6**	Field status	**M**
Field name		**Order Number**			

Description: This field contains the Order Number which is defined with the customer.

Processing outgoing

EDI Sub-System: Refer to data record SA6.

BAAN:

Processing incoming

EDI Sub-System:
BAAN: None.

Position	**7**	Field format	**an1**	Field status	**M**
Field name		**Position Number**			

Description: This field contains the Position Number.

Processing outgoing

EDI Sub-System:
BAAN: Refer to data record SA6.

Processing incoming

EDI Sub-System:
BAAN: Refer to data record SA6.

Position	**8**	Field format	**an..6**	Field status	**C**
Field name		**Address Qualifier Delivery Address**			

Description: This field contains the Qualifier which identifies the next data set as a delivery address.
0   The following data is the delivery address

This qualifier must be entered in BAAN table TBtcedi224 regarding to the used organisation.

Processing outgoing

EDI Sub-System:
BAAN: The value "0" is filled in.

Processing incoming

EDI Sub-System:
BAAN:

Position	9	Field format	**an..6**	Field status	**C**
Field name		**Delivery Address Country**			

Description: This field contains the Country of the Address. The following country codes are
                                  defined in BAAN table TBtcedi226 according to ODDC 6
                                  AT: Austria
                                  BE: Belgium
                                  CH: Switzerland
                                  DE: Federal Republik of Germany
                                  DK: Denmark
                                  ES: Spain
                                  FI: Finland
                                  FR: France
                                  GB: United Kingdom
                                  GR: Greece
                                  IE: Ireland
                                  IT: Italy
                                  LU: Luxembourg
                                  NL: Netherlands
                                  NO: Norway
                                  PT: Portugal
                                  SE: Sweden
                                  TR: Turkey
                                  YU: Yugoslavia

Processing outgoing

EDI Sub-System:
BAAN: The country code of the delivery address from BAAN table field TFtdsls042.ccty is
                                  mapped to this position and converts with BAAN table TBtcedi440.

Processing incoming

EDI Sub-System:
BAAN:

Position	10	Field format	**an..35**	Field status	**C**
Field name		**Delivery Address First part of Name**			

Description: This field contains the first part of the name.

Processing outgoing

EDI Sub-System:
BAAN: The First part of the Name from BAAN table field TFtdsls042.nama is mapped to
                                  this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**11**	Field format	**an..30**	Field status	**C**
Field name		**Delivery Address Second part of Name**			

Description: This field contains the second part of the name.

Processing outgoing

EDI Sub-System:
BAAN: The Second part of the Name from BAAN table field TFtdsls042.namb is mapped
                                         to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**12**	Field format	**an..30**	Field status	**C**
Field name		**Delivery Address**			

Description: This field contains the first part of the Delivery Address.

Processing outgoing

EDI Sub-System:
BAAN: The first part of the Address from BAAN table field TFtdsls042.namc is mapped to
                                         this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**13**	Field format	**an..30**	Field status	**C**
Field name		**Delivery Address 2**			

Description: This field contains the second part of the delivery address.

Processing outgoing

EDI Sub-System:
BAAN: The second part of the Delivery Address from BAAN table field TFtdsls042.namd
                                         is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**14**	Field format	**an..30**	Field status	**C**
Field name		**Delivery Address City**			

Description: This field contains the name of the City.

Processing outgoing

EDI Sub-System:
BAAN: The name of the City from BAAN table field TFtdsls042.name is mapped to this
                                 position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**15**	Field format	**an..30**	Field status	**C**
Field name		**Delivery Address for further information province or country**			

Description: This field contains further information to the City (province/country)

Processing outgoing

EDI Sub-System:
BAAN: The second part of the City information from BAAN table field TFtdsls042.namf is
                                 mapped to this position or the ILN-Number can be used in this field.

Processing incoming

EDI Sub-System:
BAAN:

Position	**16**	Field format	**an..10**	Field status	**C**
Field name		**Delivery Address Zip Code**			

Description: This field contains the postal or zip Code referring to the Delivery Address.

Processing outgoing

EDI Sub-System:
BAAN: The Zip Code from BAAN table field TFtdsls042.pstc is mapped to this position.

Processing incoming

EDI Sub-System:
BAAN:

Position	**16**	Field format	**an7**		Field status	**M**
Field name		**Data record end sign**				

Description: This field indicates the end of the data record. It contains the constant value
                                         'SA7_END'.

Processing outgoing

EDI Sub-System:
BAAN: This field will be filled with the constant value 'SA7_END'.

Processing incoming

EDI Sub-System:
BAAN:

4 Appendix

4.1 Sample file

```
"SA1";"240-9906030002";"ILN240";"ILN240";"INVOIC";"BEMIS";"";2;19990603;1055;"";"SA1_END"
"SA2";"240-9906030002";"ILN240";"ASB";2;70015;"";19990603;19990603;"";"LOERS,PETER";0;"FAS";"frei längsseits
Seeschiff";"001";"Standardspediteur";"";"";"001";"30 Tg. netto nach
Rechn.datum";30;0;0;0;0;0;0;"DEM";"DE";"";"DP";"";"IZ";19990603;638.38;555.11;0;0;555.11;83.27;"DEM";;;0;0;;;;19990603;;19990
603;;19990603;"";;0;","985 235 784";SA2_END"
"SA3";"240-9906030002";"ILN240";"ASB";2;70015;"1";"DE";"Kunde 222222";"";"Musterweg 3";"";"222222
Lübeck";"";"222222";"UIDKUNDE";"SA3_END"
"SA3";"240-9906030002";"ILN240";"ASB";2;70015;"0";"DE";"Kunde 222222";"";"Musterweg 3";"";"222222
Lübeck";"";"222222";"UIDKUNDE";"SA3_END"
"SA5";"240-9906030002";"ILN240";"ASB";2;70015;"15.00";555.11;83.27;0;"VAT";"SA5_END"
"SA6";"240-9906030002";"ILN240";"ASB";2;70015;10;"";"";"SA";"G100";"Testartikel
EDI";"G100";1;0;1;"PCE";299;"PCE";19990603;256.11;0;1;256.11;42.89;;;;;"";"VAT";"15.00";;;0;11;0;10;0;0;1;1;1;"XXX";"XXX";"";;;;"
SA6_END"
"SA6";"240-9906030002";"ILN240";"ASB";2;70015;20;"";"";"SA";"G100";"Testartikel
EDI";"G100";1;0;1;"PCE";299;"PCE";19990603;299;0;1;299;0;;;;;"";"VAT";"15.00";;;0;0;0;0;0;0;1;1;1;"";"";"";;;;"SA6_END"
"SA1";"240-9906030003";"ILN240";"ILN240";"INVOIC";"BEMIS";"";3;19990603;1055;"";"SA1_END"
"SA2";"240-9906030003";"ILN240";"ASB";3;70016;"";19990603;19990603;"";"LOERS,PETER";0;"FAS";"frei längsseits
Seeschiff";"001";"Standardspediteur";"";"";"001";"30 Tg. netto nach
Rechn.datum";30;0;0;0;0;0;0;"DEM";"DE";"";"DP";"";"IZ";19990603;1031.55;897;0;0;897;134.55;"DEM";;;0;0;;;;19990603;;;;1999060
3;"";;0; "985 235 784";"SA2_END"
"SA3";"240-9906030003";"ILN240";"ASB";3;70016;"1";"DE";"Kunde 222222";"";"Musterweg 3";"";"222222
Lübeck";"";"222222";"UIDKUNDE";"SA3_END"
"SA3";"240-9906030003";"ILN240";"ASB";3;70016;"0";"DE";"Kunde 222222";"";"Musterweg 3";"";"222222
Lübeck";"";"222222";"UIDKUNDE";"SA3_END"
"SA5";"240-9906030003";"ILN240";"ASB";3;70016;"15.00";897;134.55;0;"VAT";"SA5_END"
"SA6";"240-9906030003";"ILN240";"ASB";3;70016;10;"";"";"SA";"G100";"Testartikel
EDI";"G100";1;0;1;"PCE";299;"PCE";19990603;299;0;1;299;0;;;;;"";"VAT";"15.00";;;0;0;0;0;0;0;1;1;1;"";"";"";;;;"SA6_END"
"SA6";"240-9906030003";"ILN240";"ASB";3;70016;20;"";"";"         SA";"      G200";"Testartikel
EDI2";"G200";2;0;2;"PCE";299;"PCE";19990603;598;0;2;598;0;;;;;"";"VAT";"15.00";;;0;0;0;0;0;0;1;1;1;"";"";"";;;;"SA6_END"
```