

Definition of BEMIS ORS001 Import and Export File for Business Document Order Response

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About this Guide

Objective

This document describes the content and the corresponding structure of the EDI message “Order Response”, which is supported by Baan Electronic Message, the ERP LN in-house format.

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

- EDIFACT ORDCHG
- ANSI X12 860
- VDA 4925

The message structure is defined by referring to incoming directions and outgoing directions.

The document contains the following chapters:

Chapter 1, “General Principles”, provides a general introduction to the EDI in-house format for the Business Document type Order Response.

Chapter 2, “Data Record Description by Kind of Data Record”, describes in detail the data records used for the EDI in-house format of EDI message Order Response.

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

Appendix A, “Sample File”, provides a sample file for the outgoing message ORS001.

Intended audience

This document is intended for the following categories of users:

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

References

The following documents might be of importance:

No.	Document number	Title
1	U8912A US	<i>User's Guide for BEMIS</i>
2	U8998A US	<i>User's Guide for EDI Business Documents</i>
3	U9434A US	<i>ERP LN 6.1 Electronic Commerce – Message Type Trading Order of BEMIS in- house Format ORD001</i>

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

Chapter 1

General Principles



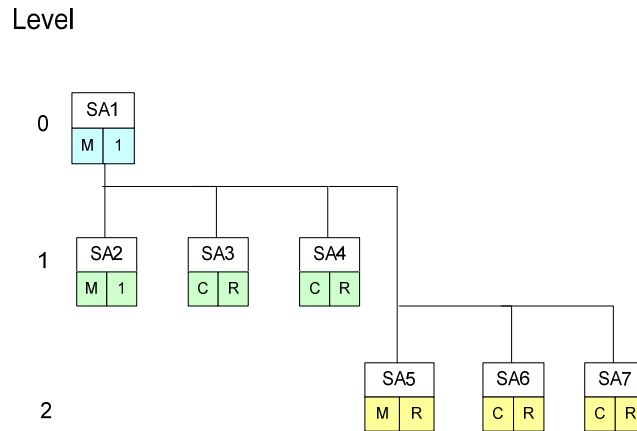
Available types of data records

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

ID	Status	Name
SA1	M	Envelop
SA2	M	Order Response Header
SA3	C	Order Response Header Specific Addresses
SA4	C	Oder Response Header Text
SA5	M	Order Response Line
SA6	C	Order Response Line Text
SA7	C	Order Response Line's Specific Addresses

Branching diagrams

The following data record structure is used for the BEMIS message type Trading Orders:



Legend:

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

For example, the response referring to two orders with each two lines the BEMIS Order Response file has the following structure:

SA1 ... Global Overhead

SA2 ... Order Response Header 1

SA3 ... Order Response Header 1 Addresses Ship-to

SA3 ... Order Response Header 1 Addresses Warehouse

SA4 ... Order Response Header 1 Text

SA5 ... Order Response Line Item 11

SA6.... Order Response Line text

SA5 ... Order Response Lines Item 12

SA6.... Order Response Line text

SA7 ... Line's Specific Address WH

SA1 ... Global Overhead

SA2 ... Order Response Header 2

SA3 ... Order Response Header 2 Addresses Ship-to

SA3 ... Order Response Header 2 Addresses Sold-to

SA3 ... Order Response Header 2 Addresses Invoice-to

SA5 ... Order Response Line Item 21

SA6 ... Order Response Line text

SA7 ... Line's Specific Address WH

SA5 ... Order Response Line Item 22

SA6 ... Order Line text

SA7 ... Line's Specific Address WH

If an Order Line's Delivery Address (SA7) is not used for an item then the Order Header Address (SA4) is defaulted to the line's delivery address in ERP LN.

If an Order Line's Delivery Address (SA7) is used for an item then this delivery address is the valid address for this item.

Key fields outgoing

The outgoing message refers to the Sold-to-BP and the Sales Order.
The following structure of the key fields is used to determine the corresponding data records of an order message:

Sorted by Key						
Kind	Data Rec.	key 1	key 2	key 3	key 4	key 5
field 1	Backpt					
SA1		Message ref.	BP net ID	SO no.		
SA2	1	Message ref.	BP net ID	SO no.		
SA3	2	Message ref.	BP net ID	SO no.		
SA4	2	Message ref.	BP net ID	SO no.		
SA5	2	Message ref.	BP net ID	SO no.		
SA6	5	Message ref.	BP net ID	SO no.	SO pos.no.	Pos. sequence
SA7	5	Message ref.	BP net ID	SO no.	SO pos.no.	Pos. sequence

Key fields incoming

The incoming message refers to the Buy-from-BP and the Purchase Order.
The following structure of the key fields is used to determine the corresponding data records of an order message:

Sorted by Key						
Kind	Data Rec.	key 1	key 2	key 3	key 4	key 5
field 1	Backpt					
SA1		Message ref.	BP net ID			
SA2	1	Message ref.	BP net ID			
SA3	2	Message ref.	BP net ID	PO no.		
SA4	2	Message ref.	BP net ID	PO no.		
SA5	2	Message ref.	BP net ID	PO no.		
SA6	5	Message ref.	BP net ID	PO no.	PO pos.no	Pos. sequence
SA7	5	Message ref.	BP net ID	PO no.	PO pos.no	Pos. sequence

Business partner relations

The following table shows the business partner relations:

Outgoing Order Response		Incoming Order Response	
ID of the sender	ecedi020.neta	Buy-from-BP Code	tdpur400.ofbp
Warehouse Code	tdsls400.cwar tdsls400.cwar	Ship-From BP-Code	tdpur400.sfbp tdpur401.stbp
Ship-to BP Code	tdsls400.stbp tdsls401.stbp	Warehouse Code	tdpur400.cwar tdpur401.cwar
Ship-to Address Code	tdsls400.stad	Ship-to Address Code	tdpur400.cadr

Network directories

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

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

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

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

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

Infor recommends the second possibility.

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

- /\${BSE}/edi/bemis/order/

ERP LN will additionally create the following subdirectories:

- `/${BSE}/edi/bemis/order/appl_from/`
- `/${BSE}/edi/bemis/order/appl_to/`
- `/${BSE}/edi/bemis/order/command/`
- `/${BSE}/edi/bemis/order/store_rcv/`
- `/${BSE}/edi/bemis/order/store_sent/`
- `/${BSE}/edi/bemis/order/trace/`

The above mentioned directories refer to one message type, “order response”. The directories have the following functions:

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

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

Direction	File Name	Network Directory
outgoing	ORS001	<code>/\${BSE}/edi/bemis/order/appl_from</code>
incoming	ORS001	<code>/\${BSE}/edi/bemis/order/appl_to</code>

ERP LN BEMIS messages – conventions

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

- Each data segment is defined by a unique code in an EDI message. The format of the data segment code is SA99. Each segment (message record) starts with the unique code “Sax”; the message record ends with “SAx_END”.
- The length of the several data segments can vary.
- Even if some fields do not contain a value, each data segment (message record) must consist of all fields.
- The fields in the file must be separated by a defined sign, such as a semicolon (;)
- A filled string field must be put inside quotation marks (“...”).
- If a position in a BEMIS Message File is not taken by a value, which means that the position is empty, then the position is pointed out using two semicolons. Also, the ERP LN EDI Module distinguishes between numerical data and alphanumerical data format, as shown in the following examples:

Empty numerical Position: “SAx”; ... ; ; ... ;”SAx_END”

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

“SAx”; ... ; ; ... ;”SAx_END” and “SAx”; ... ; “”; ... ;”SAx_END”

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

ORDER IN-HOUSE FORMAT

Pos	Field description	Key	ST	FM
-----	-------------------	-----	----	----

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

Pos Position of the field in the data record

Field description Description of the field

Key	Key field outgoing (O) / incoming (I)
ST	Field status mandatory (M) / conditional (C)
FM	Field format, for example. 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

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

from Application Table Field (out) / Mapping to Table Field (in)

Table Field	Action

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

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

What is new in comparison to BEMIS for BAAN V?

- New message structure: 7 Data Segments instead of 6 before
Also as the BEMIS messages "Trading Order" each responded order level use a separate text data record.

Chapter 2

Data Record Description by Type of Data Record

SA1 Global Overhead

Status: Mandatory

Frequency: Once by order response

Description: This data record contains information about the transmitter, the message type and the time of the transmission. The message reference identifies all related data records of this message.

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA1		SA1	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Transmission Reference	O	M	an..6	tdsls400.orno		ecedi702.msno	

Order Response In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
5	Network address	M an..17	ecedi028.neta	Conversion (see below)		
6	Organization	M an..6	ecedi003.code	Conversion (see below)	ecedi702.orga	Conversion (see below)
7	Message	M an..6	ecedi001.code		ecedi028.mess	Conversion (see below)
8	Order Type	M an..35	ecedi011.koor	Conversion (see below)	ecedi702.koor	Conversion (see below)
9	Identifier Test	C an1	Empty (.,;"";..)		ecedi702.test	
10	Date / Time of transmission	C an..14	Only Current date		ecedi702.sent	
11	Time of transmission	C n..14	Current time			
12	Data record end sign	M an7	SA1_END		SA1_END	

Detailed description: Order Acknowledgment / Response

Kind of data record: SA1 Global Overhead

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Kind of Data Record</u>		Key field Out / IN		
Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA1'.				
Processing outgoing EDI Sub-System					
ERP LN	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'.				
ERP LN	None				

Position	2	Field Format	an..14	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	<p>This field identifies all connected data records of one order response. The numbering, which has to be clear by order, helps to control the chronological order of the orders 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.</p> <p>The special format will be defined in the network parameters in the ERP LN table TBecedi020. When generating the message reference with the EDI Sub-System, the created message reference needs to be specific, which means unique. While storing the message reference ERP LN controls whether it is specific.</p>				
Processing outgoing EDI Sub-System					
ERP LN	ERP LN generates this number to identify an order response, stores it in the ERP LN table field TFecedi701.bano and writes it into all data records of an order response.				
Processing Incoming EDI Sub-System	The EDI Sub-System generates this number to identify an order response and writes it into all data records of an order response.				
ERP LN	Mapping to ERP LN table field TFecedi702.bano.				

Position	3	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of sender</u>		Key field Out / In		

Description This field contains the identification of the sender (for example the ILN Number)

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

ERP LN The identification is stored in the ERP LN table TBecedi020 'Our Identification' under the corresponding network in the ERP LN table field TFecedi020.neta. The content of this field is mapped to the position of the transmission file. Here you can store the general ILN-Number for your supplier.

Processing Incoming
EDI Sub-System

ERP LN The identification of the sender determines the corresponding business partner (supplier) and the network in the table TBecedi028 'Relations by network'. This identification is mapped to the ERP LN table field TFecedi702.bpid.

Position	4	Field Format	an..6	Field Status	M
Field Name	<u>Transmission Reference</u>		Key field Out		

Description This field contains the sales or purchase order number which is acknowledged.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled with the order number from ERP LN table field tds400.orno

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

ERP LN Mapping to ERP LN table field ecedi702.msno. This field should contain the customer purchase order number.

Position	5	Field Format	an..17	Field Status	M
Field Name	<u>Network Address</u>				

Description	This field contains the network identification of receiver.
Processing outgoing EDI Sub-System	
ERP LN	The identification of the receiver (for example the ILN of the receiver) in the used network is entered in the ERP LN table ecedi028. The table field ecedi028.neta is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	On the incoming side this field will be ignored.

Position	6	Field Format	an..6	Field Status	M
Field Name	<u>Organization</u>				

Description	This field contains the organization (Standard), which is used for the EDI communication.
Processing outgoing EDI Sub-System	
ERP LN	The internal organization code ecedi003.code 'BEMIS' from the ERP LN table ecedi003 'Organizations' is mapped to this position.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'BEMIS'.
ERP LN	Mapping to ERP LN table field ecedi702.org. The corresponding organization must have been entered into the ERP LN table ecedi003.

Position	7	Field Format	an..6	Field Status	M
Field Name	<u>Message</u>				
Description	This field contains the code for the identification of the concerned message. The code for the message type 'Order Response' is ORS001.				
Processing outgoing EDI Sub-System					
ERP LN	The internal message code ecedi001.code 'ORS001' of the ERP LN table ecedi001 'Supported EDI messages' is mapped to this position.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'ORS001'.				
ERP LN	The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this order response. In the ERP LN table ecedi005 'EDI Messages' is determined for every message which session (DLL) is used in ERP LN to process the order. The message code is mapped to the ERP LN table field ecedi702.mess.				

Position	8	Field Format	an..35	Field Status	M
Field Name	<u>Order Type</u>				
Description	This field contains a code for the concerned order type.				
Processing outgoing EDI Sub-System					
ERP LN	In the ERP LN table TBecedi011 there must be an entry for this order type in connection with the respective message and organization. The ERP LN table field TFecedi011.koor is mapped to this position. This field is filled with the EDIFACT order types. For example "230" for order response. The in-house order type is converted in the table ecedi433.				
Processing Incoming EDI Sub-System					
ERP LN	Mapping to ERP LN table field TFecedi702.koor. In the ERP LN table ecedi200 there must be an entry for this order type in connection with the respective message and organization.				

Position	9	Field Format	an1	Field Status	C
Field Name	<u>Identifier of Test</u>				

Description This field contains the code that will identify incoming messages for this organization as test messages. A test message is checked, but not copied to the database.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled with the ERP LN table field ecedi003.test

Processing Incoming
EDI Sub-System Transmission of the value from the transmission file.

ERP LN Mapping to ERP LN table field ecedi702.test.

Position	10	Field Format	n..14	Field Status	M
Field Name	<u>Date / Time of Transmission</u>				

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

Processing outgoing
EDI Sub-System

ERP LN Mapping of the current date to the position.

Processing Incoming
EDI Sub-System Entry of the arrival date / time of the message at the EDI Sub-System.

ERP LN Mapping to ERP LN table field ecedi702.send

Position	11	Field Format	n..14	Field Status	M
Field Name	<u>Time of Transmission</u>				

Description This field contains on the outgoing side only the current time, on which the order message was created.
On the incoming side, this field is not used.

Processing outgoing
EDI Sub-System

ERP LN Mapping of the current time to the position.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	13	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				

Description This field identifies the end of data record in the message block. It contains the constant value 'SA1_END'.

Processing outgoing
EDI Sub-System

ERP LN 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'.

ERP LN None

SA2 Order Response Header

Status: Mandatory

Frequency: Once by Order Response

Description: This data record contains all information of the order response header except of address and text data, and it is related to SA1.

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA2		SA2	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Order Reference	O/I	M	an..9 an..30	tdsls400.orno		ecedi702.msno	
5	Sales / Purchase Order		M		tdsls400.corn		tdpur400.orno	
6	Order date / time		C	n..14	tdpur400.odat			
7	Planned Receipt Date		C	n..14	tdsls400.prdt		tdpur400.ddtc	
8	Reference A		C	an..30	tdsls400.refa		tdpur400.refa	
9	Reference B		C	an..20	tdsls400.refb		tdpur400.refb	
10	Internal Sales Rep.		C	an..9	tdsls400.crep			
11	Name		C	an..35	tccom001.nama			
12	External Sales Rep.		C	an..9	tdsls400.orsp			
13	Name		C	an..35	tccom001.nama			
14	Contract		C	an..9	tdsls400.prho	Conversion	tdpur400.prho	Conversion

Order Response In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
15	Terms of Delivery	C an..6	tdsls400.cdec	Code and Conversion	tdpur400.cdec	Code and Conversion
16	Description	C an..30	tcmcs041.dsca			
17	Carrier	C an..20	tdpur400.cfrw	Code and Conversion	tdsls400.cfrw	Code and Conversion
18	Description	C an..30	tcmcs080.dsca			
19	Late Payment Surcharge	C an..6	tdsls400.ccrs	Code and Conversion	tdpur400.ccrs	Code and Conversion
20	Description	C an..30	tcmcs011.dsca			
21	Terms of Payment	C an..6	tdsls400.cpay	Code and Conversion	Tdpur400.cpay	Code and Conversion
22	Description	C an..30	tcmcs013.dsca			
23	Payment Period	C n2	tcmcs013.pper			
24	Discount Period 1	C n2	tcmcs013.disa			
25	Discount Percentage 1	C an..4	tcmcs013.prca			
26	Order Currency	M an..6	tdsls400.ccur	Conversion	tdpur400.ccur	Conversion
27						
28	Order Discount	C n..6	tdsls400.odis	NNN.NN	tdpur400.odis	NNN.NN
29	Ship-to / Warehouse	M an..20	tdsls400.stbp	Conversion	tdpur400.cwar	Conversion
30	Qualifier Address code	C an..6	ecedi218 / ZZ		ZZ	
31	Address / BP Code	C an..6	ecedi224.code / STBP			
32	Sold-To BP / Purchase Office	C an..20	tdsls400.ofbp	Conversion	tdpur400.cofc	Conversion
33	Qualifier Address Code	C an..6	ecedi218 / ZZ		ZZ	
34	Address / BP Code	C an..6	ecedi224.code / OFBP			
35	Sales Office	C an..6	tdsls400.cofc	Conversion		

Order Response In-house Format			Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
36	Qualifier Address Code	C an..6	ecedi218.code / ZZ	
37	Warehouse / Ship-from BP	C an..6	tdsls400.cwar Conversion	tdpur400.sfbp Conversion
38	Qualifier Address Code	C An..6	ecedi218.code / ZZ	ZZ
39	Address Code WH	C An..6	ecedi224.code / CWAR	SFBP
40	Invoice-from BP / Invoice-to-BP	C an..20	tdsls400.ifbp Conversion	tdpur400.itbp Conversion
41	Qualifier Address Code	C An..6	ecedi218.code / ZZ	ZZ
42	Address / BP Code	C an..6	ecedi224.code / IFBP	ITBP
43	Pay-by BP	C an..6	tdsls400.pfbp Conversion	
44	Qualifier Address Code	C an..6	ecedi218.code / ZZ	
45	Address / BP Code	C an..6	ecedi224.code / PBBP	
46	Acknowledgment Reason	M an..2	tdsls400.akcd Conversion	tdpur400.akcd Conversion
47				
48	Point of Title passage	C an..9	tdsls400.ptpa	tdpur400.ptpa
49	Description	C an..30	tcmcs042.dsca	
50	Data Record End Sign	O/I M an7	SA2_END	SA2_END

Detailed description: Order Acknowledgment / Response
 Kind of data record: SA2 Header

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Kind of Data Record</u>		Key field Out / IN		

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

Processing outgoing
 EDI Sub-System

ERP LN 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'.

ERP LN None

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		

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

Processing outgoing
 EDI Sub-System

ERP LN Analogously to data record SA1

Processing Incoming
 EDI Sub-System

ERP LN Analogously to data record SA1

Position	3	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of sender</u>		Key field Out / In		

Description This field contains the identification of the sender (for example the ILN Number)

Processing outgoing

EDI Sub-System

Transmission of the value from the message file.

ERP LN

Analogously to data record SA1

Processing Incoming

EDI Sub-System

ERP LN

Analogously to data record SA1

Position	4	Field Format	an..9 / an..30	Field Status	M
Field Name	<u>Order Reference</u>		Key field Out / In		

Description This field contains the origin Order Number which is respond.

Processing outgoing

EDI Sub-System

None

ERP LN

The sales order number is mapped from ERP LN table field tds400.orno to this position.

Processing Incoming

EDI Sub-System

Transmission of the value from the message file.

ERP LN

The purchase order reference is mapped to ERP LN table field ecedi702.msno.

Position	5	Field Format	an..9 / an..30	Field Status	M
Field Name	<u>Customer's Order Number</u>		Key field Out / In		

Description This field contains the Order Number which is respond.

Processing outgoing
EDI Sub-System None

ERP LN The sales order number is mapped from ERP LN table field tdsIs400.com to this position.

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

ERP LN The purchase order number is mapped to ERP LN table field tdpur400.orno.

Position	6	Field Format	an..14	Field Status	C
Field Name	<u>Order Date / Time</u>				

Description This field contains the date / time (YYYYMMDDHHMMSS) the order is entered in the system. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The purchase order delivery date / time from ERP LN table field TFtdpur400.odat is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	7	Field Format	an..14	Field Status	C
Field Name	<u>Planned receipt Date / Time</u>				

Description This field contains the date / time (YYYYMMDDHHMMSS) the order is entered in the system.

Processing outgoing

EDI Sub-System None

ERP LN

The planned receipt date / time from ERP LN table field tdpur400.prdt is mapped to this position.

Processing Incoming

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

ERP LN

Mapping to ERP LN table field tdsIs400.ddtc

Position	8	Field Format	an..30	Field Status	C
Field Name	<u>Reference A</u>				

Description This field contains the first extra reference by which the order can be identified. This reference is printed on various order documents and lists.

Processing outgoing

EDI Sub-System None

ERP LN

The ERP LN table field tdsIs400.refa is mapped to this position.

Processing Incoming

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

ERP LN

Mapping to ERP LN table field tdpur400.refa

Position	9	Field Format	an..20	Field Status	C
Field Name	<u>Reference B</u>				

Description This field contains the second extra reference field that you can fill with extra information. This reference is printed on the order documents and lists.

Processing outgoing
EDI Sub-System None

ERP LN The ERP LN table field tdsldr400.refb is mapped to this position

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

ERP LN Mapping to ERP LN table field tdpur400.refb

Position	10	Field Format	an..9	Field Status	C
Field Name	<u>Internal Sales Representative</u>				

Description This field contains the internal Sales Representative. Code referring to this order. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The Code is mapped from ERP LN table field tdsldr400.crep to this position

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	11	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				

Description This field contains the name of the internal Sales Repr. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The description is mapped from the ERP LN Table field tccom001.nama.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	12	Field Format	an..9	Field Status	C
Field Name	<u>External Sales Representative</u>				
Description	This field contains the internal Sales Representative Code referring to this order. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code is mapped from ERP LN table field tdsis400.orsp to this position				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	13	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				
Description	This field contains the name of the external Sales Repr. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The description is mapped from the ERP LN Table field tccom001.nama.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	14	Field Format	an..9	Field Status	C
Field Name	<u>Contract</u>				

Description This field contains the Contract Number which is defined with the business partner. A Conversion is possible.

Processing outgoing
EDI Sub-System None

ERP LN The sales contract number is mapped from ERP LN table tdsIs400.pno to this position after conversion with ERP LN table ecedi453.

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

ERP LN Mapping to the ERP LN table field tdpur400.pno after conversion with ERP LN table ecedi314.

Position	15	Field Format	an..6	Field Status	C
Field Name	<u>Terms of Delivery</u>				

Description This field contains a code for the Term of Delivery. This field indicates how to frank the shipment. It contains a unique alphanumerical identification.

You could use the EDIFACT notification or an own definition,
for example CFR = Cost and Freight
 CIF = Cost, Insurance and Freight
 DES = Delivered Ex Ship
 DDU = Delivered Duty Unpaid
 FCA = Free Carrier

Processing outgoing
EDI Sub-System None

ERP LN The sales contract number is mapped from ERP LN table field tdsIs400.cdec to this position after conversion with ERP LN table ecedi430.

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

ERP LN Mapping to the ERP LN table field tdpur400.cdec after conversion with ERP LN table ecedi300.

Position	16	Field Format	an..30	Field Status	C
Field Name	<u>Description (Term of Delivery)</u>				
Description	This field contains the description of the code for the Term of Delivery. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The description is mapped from the ERP LN Table field tcmcs041.dsca.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	17	Field Format	an..20	Field Status	C
Field Name	<u>Carrier</u>				
Description	This field contains the Carrier's Code which is used for this order. The code list has to be agreed with the Business Partner.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code for the Forwarding Agent of the sales order from ERP LN table field tdsIs400.cfw is mapped to this position and converted with ERP LN table ecedi456.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field TFtdpur400.cfw and conversion with ERP LN table ecedi318.				

Position	18	Field Format	an..30	Field Status	C
Field Name	<u>Description (Carrier)</u>				
Description	This field contains the description of the code for the Term of Delivery. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The description is mapped from the ERP LN Table field tcmcs080.dsca.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	19	Field Format	an..6	Field Status	C
Field Name	<u>Late Payment Surcharge</u>				
Description	This field contains the percentage that is charged over the goods amount that has to pay if the bill is not paid within a specified period.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Late Payment Surcharge of the purchase order from ERP LN table field tdsls400.ccrs is mapped to this position. A conversion has to be done with ERP LN table ecedi470.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdsls400.ccrs and conversion with ERP table ecedi330.				

Position	20	Field Format	an..30	Field Status	C
Field Name	<u>Description (Late Pmt Surch.)</u>				
Description	This field contains the description of the code for the Late Payment Surcharge. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The description is mapped from the ERP LN Table field tcmcs011.dsca.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	21	Field Format	an..6	Field Status	C
Field Name	<u>Terms of Payment</u>				
Description	This field contains a Code for the Terms of Payment agreed upon with the relation.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Terms of Delivery of the sales order from ERP LN table field tds400.cpay is mapped to this position and converted using the table ecedi466.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur400.cpay and conversion via ERP LN table ecedi326.				

Position	22	Field Format	an..30	Field Status	C
Field Name	<u>Description (Term of Payment)</u>				
Description	This field contains the description of the code for the Term of Payment. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The description is mapped from the ERP LN Table field tcmcs013.dsca.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	23	Field Format	n2	Field Status	C
Field Name	<u>Payment Period</u>				
Description	This field contains the number of days or months that ERP LN adds to the invoice document date for calculating the due date. The period refers to the term of payment.				
Processing outgoing EDI Sub-System	None				
ERP LN	The period is mapped from ERP LN table tcmcs013.pper				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	24	Field Format	n2	Field Status	C
Field Name	<u>Discount Period 1</u>				

Description This field contains the number of days after the invoice date, during which the first discount percentage can be subtracted from the invoice amount. The period refers to the term of payment.

Processing outgoing
EDI Sub-System

None

ERP LN

The period is mapped from ERP LN table tcmcs013.disa

Processing Incoming
EDI Sub-System

ERP LN

N. A.

Position	25	Field Format	an..4	Field Status	C
Field Name	<u>Discount Percentage 1</u>				

Description This field contains the percentage of the invoice amount that can be subtracted on payment within the first discount period. The period refers to the term of payment.

Processing outgoing
EDI Sub-System

None

ERP LN

The period is mapped from ERP LN table tcmcs013.prca

Processing Incoming
EDI Sub-System

ERP LN

N. A.

Position	26	Field Format	an..6	Field Status	C
Field Name	<u>Order Currency</u>				
Description	This field contains the Currency relevant for the order. It contains the clear alphanumerical identification of the currency. The currency code will be defined according to ISO 4217. For detailed information please refer to []				
Processing outgoing EDI Sub-System	None				
ERP LN	The Currency relevant for the sales order from ERP LN table field tds400.ccur is mapped to this position and converted using table ecedi438.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur400.ccur and conversion with ERP LN table ecedi324.				

Position	28	Field Format	an..6	Field Status	C
Field Name	<u>Order Discount</u>				
Description	This field contains the Order Discount related to the complete order amount defined in percentage: NNN.NN. Maximum is 100.00				
Processing outgoing EDI Sub-System	None				
ERP LN	The Order Discount of the sales order from ERP LN table field tds400.odis is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur400.odis				

Position	29	Field Format	an..20	Field Status	C
Field Name	<u>Ship-to-BP / Warehouse</u>				
Description	This position contains the code for the Business Partner where the goods are shipped.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code for the Ship-To Business Partner from ERP LN table field tds400.stbp is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The Code for the Warehouse has to convert using the Address Code ID = "ZZ", and it has to map to the ERP LN table field tdpur400.cwar.				

Position	30	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Address Code</u>				
Description	This position is used to store the default qualifier 1 for the Address code which is defined in the message definition.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field ecedi218.code is mapped to this position. Default value is the constant value "ZZ"				
Processing Incoming EDI Sub-System					
ERP LN	"ZZ"				

The Default Qualifier 1 (address code) is stored in Pos. 33, 36, 38, 41 and 44 analogously.

Position	31	Field Format	an..6	Field Status	C
Field Name	<u>Address/ BP Code</u>				

Description This position is used to send a constant value in the outgoing message.

Processing outgoing
EDI Sub-System None

ERP LN The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position.
Default value is the constant "STBP".

Processing Incoming
EDI Sub-System
ERP LN

Position	32	Field Format	an..20	Field Status	C
Field Name	<u>Sold-to BP / Purchase Office</u>				

Description The code of the Sold-to BP (Out) or the purchase office (In).

Processing outgoing
EDI Sub-System None

ERP LN The Code for the Sold-To Business Partner from ERP LN table field tdsIs400.ofbp is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.

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

ERP LN The Code for the Purchase Office has to convert using the Address Code ID = "ZZ", and it has to map to the EREP LN table field tdpur400.cofc.

Position	34	Field Format	an..6	Field Status	C
Field Name	<u>Address/ BP Code</u>				

Description This position is used to send a constant value in the outgoing message.

Processing outgoing
EDI Sub-System None

ERP LN The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position.
Default value is the constant "OFBP".

Processing Incoming
EDI Sub-System
ERP LN

Position	35	Field Format	an..20	Field Status	C
Field Name	<u>Sales Office</u>				

Description This position contains the code of the sales office

Processing outgoing
EDI Sub-System None

ERP LN The Code of sales office from ERP LN table field tds400.cofc is converted using Qualifier "ZZ" (pos. 36), and it is mapped to this position.

Processing Incoming
EDI Sub-System
ERP LN

N. A.

Position	37	Field Format	an..20	Field Status	C
Field Name	<u>Warehouse / Ship-from-BP</u>				
Description	This position contains the code for the Business Partner where from the goods are shipped.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code for the Warehouse from ERP LN table field tds400.cwar is converted using the conversion table ecedi224 and the default Qualifier "ZZ", and it is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The Code for the Ship From Business Partner has to convert using the conversion table ecedi363 and Address Code ID = "ZZ", and it has to map to the ERP LN table field tdpur400.sfbp.				

Position	39	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				
Description	This position contains the standard qualifier 2 for the Ship-from Business Partner.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position. Default value is the constant "CWAR".				
Processing Incoming EDI Sub-System					
ERP LN	Use the code "SFBP" to identify the Ship-From BP.				

Position	40	Field Format	an..20	Field Status	C
Field Name	<u>Invoice-from-BP / Invoice- to-BP</u>				

Description This position contains the code for the Business Partner who will send the invoice to the customer.

Processing outgoing
EDI Sub-System None

ERP LN The Code for the Invoice -From Business Partner from ERP LN table field tds400.ifbp is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.

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

ERP LN The Code for the Invoice-To-Business Partner has to convert using the conversion table ecedi363 and Address Code ID given in ecedi224, and it has to map to the EREP LN table field tdpr400.itbp.

Position	42	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				

Description This position contains the standard qualifier 2 for the Invoice-from/to Business Partner.

Processing outgoing
EDI Sub-System None

ERP LN The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position.

Default value is the constant "IFBP".

Processing Incoming
EDI Sub-System

ERP LN Use the code "ITBP" to identify the Invoice-to BP.

Position	43	Field Format	an..20	Field Status	C
Field Name	<u>Pay-By BP</u>				

Description This position contains the code for the Business Partner who will get the money from the customer.

Processing outgoing EDI Sub-System None

ERP LN The Code for the Pay-by Business Partner from ERP LN table field tds400.pbbp is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.

Processing Incoming EDI Sub-System

ERP LN N. A.

Position	45	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				

Description This position contains the standard qualifier 2 for the Pay-by Business Partner.

Processing outgoing EDI Sub-System None

ERP LN The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position.

Default value is the constant "PBBP".

Processing Incoming EDI Sub-System

ERP LN

Position	46	Field Format	an..2	Field Status	M
Field Name	<u>Acknowledgment Reason</u>				
Description	A code that represents the reasons for a sales acknowledgement. The code has to be agreed to the business partner. Please maintain the table ecedi299 first.				
Processing outgoing EDI Sub-System					
ERP LN	The Code for the Sales Acknowledgement Code from ERP LN table field tds400.akcd is converted using the conversion table ecedi428 and mapped to the position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur400.akcd and conversion with the table ecedi341.				

Position	48	Field Format	an..9	Field Status	C
Field Name	<u>Point of title Passage</u>				
Description	The field identifies the point at which the legal ownership changes.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tds400.ptpa is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the EREP LN table field tdpur400.ptpa.				

Position	49	Field Format	an..30	Field Status	C
Field Name	<u>Description PTPA</u>				
Description	The field contains the description of the point of title passage.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tcmcs042.dsca is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	None				

Position	50	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA2_END'.				
Processing outgoing EDI Sub-System					
ERP LN	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'.				
ERP LN	None				

SA3 Order Response Specific Addresses

Status:	Conditional
Frequency:	Five times at maximum by the order response number
Description:	This data record contains the specific addresses of the order response header and is related data record SA2.

This data record is used referring to the Business Partner's role and the delivery warehouse. The appearance of the record depends on the Address / BP Qualifier; each record uses an own evaluation expression.

Appearance Ship-to Business Partner

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA3			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	(Customer) Order No.	O/I	M	an..9 an..30	tdpur400.orno			
5	Address / BP Qualifier		M	an..6	ecedi224.code	Conversion; Evaluation ¹		
6	Country		C	an..3	tccom130.ccty	Conversion; STAD		

¹ Evaluation Expression:

STAD = tccom100.inrl = tcyesno.no

or (strip(tdsls400.stad) <> "" and tdsls400.stad <> tccom111.cadr)

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
7	Name Ship-to-BP	C	an..35	tccom130.nama	STAD		
8	Name 2	C	an..35	tccom130.namb	STAD		
9	Address Ship-to BP	C	an..30	tccom130.namc	STAD		
10	Address 2	C	an..30	tccom130.namd	STAD		
11							
12	City 2	C	an..30	tccom130.namf	STAD		
13	ZIP / Postal Code	C	an..10	tccom130.pstc	STAD		
14	State / Province	C	an..2	tccom130.cste	STAD		
15	Telephone	C	an..32	tccom130.telp	STAD		
16	Telex	C	an..15	tccom130.telx	STAD		
17	Fax	C	an..32	tccom130.tefx	STAD		
18	GEO Code	C	an..10	tccom130.geoc	STAD		
19	House number	C	an..10	tccom130.hono	STAD		
20	P.O. Box Number	C	an..10	tccom130.pobn	STAD		
21							
22	City Description	C	an..30	Tccom130.dsca	STAD		
23	City Code	C	an..8	tccom130.ccit	STAD		
30	Data Record End Sign	O/I	M an7	SA3_END	STAD		

Appearance Sold-to Business Partner

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA3			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	(Customer) Order No.	O/I	M	an..9 an..30	tdpur400.orno			
5	Address / BP Qualifier		M	an..6	ecedi224.code	Conversion; Evaluation ²		
6	Country		C	an..3	tccom130.ccty	Conversion; OFAD		
7	Name Ship-to-BP		C	an..35	tccom130.nama	OFAD		
8	Name 2		C	an..35	tccom130.namb	OFAD		
9	Address Ship-to BP		C	an..30	tccom130.namc	OFAD		
10	Address 2		C	an..30	tccom130.namd	OFAD		
11								
12	City 2		C	an..30	tccom130.namf	OFAD		
13	ZIP / Postal Code		C	an..10	tccom130.pstc	OFAD		
14	State / Province		C	an..2	tccom130.cste	OFAD		

² Evaluation Expression:

OFAD = tccom100.inrl = tcyesno.no

or (strip(tdsIs400.ofad) <> "" and tdsIs400.ofad <> tccom120.cadr)

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
15	Telephone	C	an..32	tccom130.telp	OFAD		
16	Telex	C	an..15	tccom130.telx	OFAD		
17	Fax	C	an..32	tccom130.tefx	OFAD		
18	GEO Code	C	an..10	tccom130.geoc	OFAD		
19	House number	C	an..10	tccom130.hono	OFAD		
20	P.O. Box Number	C	an..10	tccom130.pobn	OFAD		
21							
22	City Description	C	an..30	Tccom130.dsca	OFAD		
23	City Code	C	an..8	tccom130.ccit	OFAD		
30	Data Record End Sign	O/I	M an7	SA3_END			

Appearance Warehouse

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA3			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	(Customer) Order No.	O/I	M	an..9 an..30	tdpur400.orno			
5	Address / BP Qualifier		M	an..6	ecedi224.code	Conversion; Evaluation ³		
6	Country		C	an..3	tccom130.ccty	Conversion; CWAD		
7	Name Ship-to-BP		C	an..35	tccom130.nama	CWAD		
8	Name 2		C	an..35	tccom130.namb	CWAD		
9	Address Ship-to BP		C	an..30	tccom130.namc	CWAD		
10	Address 2		C	an..30	tccom130.namd	CWAD		
11								
12	City 2		C	an..30	tccom130.namf	CWAD		
13	ZIP / Postal Code		C	an..10	tccom130.pstc	CWAD		
14	State / Province		C	an..2	tccom130.cste	CWAD		

³ Evaluation Expression:

CWAD = tccom100.inrl = tcyesno.no or (strip(tcmcs003.cadr) <> "")

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
15	Telephone	C	an..32	tccom130.telp	CWAD		
16	Telex	C	an..15	tccom130.telx	CWAD		
17	Fax	C	an..32	tccom130.tefx	CWAD		
18	GEO Code	C	an..10	tccom130.geoc	CWAD		
19	House number	C	an..10	tccom130.hono	CWAD		
20	P.O. Box Number	C	an..10	tccom130.pobn	CWAD		
21							
22	City Description	C	an..30	Tccom130.dsca	CWAD		
23	City Code	C	an..8	tccom130.ccit	CWAD		
30	Data Record End Sign	O/I	M an7	SA3_END			

Appearance Invoice-to Business Partner

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA3			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	(Customer) Order No.	O/I	M	an..9 an..30	tdpur400.orno			
5	Address / BP Qualifier		M	an..6	ecedi224.code	Conversion; Evaluation ⁴		
6	Country		C	an..3	tccom130.ccty	Conversion; ITAD		
7	Name Ship-to-BP		C	an..35	tccom130.nama	ITAD		
8	Name 2		C	an..35	tccom130.namb	ITAD		
9	Address Ship-to BP		C	an..30	tccom130.namc	ITAD		
10	Address 2		C	an..30	tccom130.namd	ITAD		
11								
12	City 2		C	an..30	tccom130.namf	ITAD		
13	ZIP / Postal Code		C	an..10	tccom130.pstc	ITAD		
14	State / Province		C	an..2	tccom130.cste	ITAD		
15	Telephone		C	an..32	tccom130.telp	ITAD		

⁴ Evaluation Expression:

ITAD = tccom100.inrl = tcyesno.no or (strip(tcmcs003.cadr) <> "")

Order Response In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
16	Telex	C	an..15	tccom130.telx	ITAD	
17	Fax	C	an..32	tccom130.tefx	ITAD	
18	GEO Code	C	an..10	tccom130.geoc	ITAD	
19	House number	C	an..10	tccom130.hono	ITAD	
20	P.O. Box Number	C	an..10	tccom130.pobn	ITAD	
21						
22	City Description	C	an..30	Tccom130.dsca	ITAD	
23	City Code	C	an..8	tccom130.ccit	ITAD	
30	Data Record End Sign	O/I	M an7	SA3_END		

Appearance Pay-by Business Partner

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA3			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	(Customer) Order No.	O/I	M	an..9 an..30	tdpur400.orno			
5	Address / BP Qualifier		M	an..6	ecedi224.code	Conversion; Evaluation ⁵		
6	Country		C	an..3	tccom130.ccty	Conversion; PFAD		
7	Name Ship-to-BP		C	an..35	tccom130.nama	PFAD		
8	Name 2		C	an..35	tccom130.namb	PFAD		
9	Address Ship-to BP		C	an..30	tccom130.namc	PFAD		
10	Address 2		C	an..30	tccom130.namd	PFAD		
11								
12	City 2		C	an..30	tccom130.namf	PFAD		
13	ZIP / Postal Code		C	an..10	tccom130.pstc	PFAD		
14	State / Province		C	an..2	tccom130.cste	PFAD		

⁵ Evaluation Expression:

PFAD = tccom100.inrl = tcyesno.no

or (strip(tds1s400.pfad) < > " " and tds1s400.pfad < > tccom114.cadr)

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
15	Telephone	C	an..32	tccom130.telp	PFAD		
16	Telex	C	an..15	tccom130.telx	PFAD		
17	Fax	C	an..32	tccom130.tefx	PFAD		
18	GEO Code	C	an..10	tccom130.geoc	PFAD		
19	House number	C	an..10	tccom130.hono	PFAD		
20	P.O. Box Number	C	an..10	tccom130.pobn	PFAD		
21							
22	City Description	C	an..30	Tccom130.dsca	PFAD		
23	City Code	C	an..8	tccom130.ccit	PFAD		
30	Data Record End Sign	O/I	M an7	SA3_END			

Detailed description: Order Acknowledgment / Response
 Kind of data record: SA3 Header Specific Addresses

Currently the data record is used only for outgoing messages.

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Kind of Data Record</u>		Key field Out		
Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA3'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA3'.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out		
Description	This field identifies all connected data records of one order. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission.				
Processing outgoing EDI Sub-System					
ERP LN	Refer to data record SA2				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	3	Field Format	an..17	Field Status	M
Field Name		<u>Net ID of sender</u>		Key field Out	
Description		This field contains the identification of the sender (for example the ILN Number)			
Processing outgoing EDI Sub-System		Transmission of the value from the message file.			
ERP LN		Refer to data record SA2			
Processing Incoming EDI Sub-System					
ERP LN		N. A.			

Position	4	Field Format	an..9	Field Status	M
Field Name		<u>Order Number</u>		Key field Out	
Description		This field contains the origin Order Number.			
Processing outgoing EDI Sub-System		None			
ERP LN		The purchase order number is mapped from ERP LN table field TF tdpur400.orno to this position.			
Processing Incoming EDI Sub-System					
ERP LN		N. A.			

Appearances referring to the BP's role

Position	5	Field Format	an..6	Field Status	C
Field Name	<u>Address BP Qualifier</u>				

Description	<p>This field contains the Qualifier which identifies the next data set as an address referring to the specific role of the Business partner.</p> <p>For example STBP = the following data is the Ship to (delivery) address; OFBP = the following data is the Sold-to BP's address</p> <p>This qualifier must be entered in the ERP LN table ecedi224 regarding to the used organization.</p>
Processing outgoing EDI Sub-System	None
ERP LN	The field is filled in from ERP LN table field ecedi224.code; the default value depends on the appearance of this data record.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Appearance referring to the Warehouse

Position	5	Field Format	an..6	Field Status	C
Field Name	<u>Address Qualifier (WH)</u>				

Description	<p>This field contains the Qualifier which identifies the next data set as a ship from address.</p> <p>CWAR = Following data is the BP's Warehouse Address</p> <p>This qualifier must be entered in ERP LN table ecedi224 regarding to the used organization.</p>
Processing outgoing EDI Sub-System	None
ERP LN	The field is filled in from ERP LN table field ecedi224.code; the default value is "CWAR".
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	6	Field Format	an..3	Field Status	C
Field Name	<u>Country Code</u>				

Description
This field contains the Country of the Address.
The country codes have to be defined in ERP LN table ecedi226.

Processing outgoing
EDI Sub-System
None

ERP LN
The country code of the address from ERP LN table field tcom130.ccty is mapped to this position and converts with ERP LN table ecedi440.
It depends on the appearance's specific evaluation expression given in the format table.

Processing Incoming
EDI Sub-System

ERP LN
N. A.

Position	7	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				

Description
This field contains the first part of BP's Name

Processing outgoing
EDI Sub-System
None

ERP LN
The First part of the Name from ERP LN table field tcom130.nama is mapped to this position depending on the appearance's specific evaluation expression.

Processing Incoming
EDI Sub-System

ERP LN
N.A.

Position	8	Field Format	an..30	Field Status	C
Field Name	<u>Name 2</u>				

Description	This field contains the second part of name
Processing outgoing EDI Sub-System	None
ERP LN	The second part of the Name from ERP LN table field tccom130.namb is mapped to this position depending on the appearance's specific evaluation expression.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	9	Field Format	an..14	Field Status	C
Field Name	<u>Address</u>				

Description	This field contains the first part of the delivery address
Processing outgoing EDI Sub-System	None
ERP LN	The First part of the Address from ERP LN table field TFtccom130.namc is mapped to this position depending on the appearance's specific evaluation expression.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	10	Field Format	an..30	Field Status	C
Field Name	<u>Address 2</u>				

Description This field contains the second part of the delivery address

Processing outgoing
EDI Sub-System None

ERP LN The second part of the Address from ERP LN table field tcom130.namd is mapped to this position depending on the appearance's specific evaluation expression.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	12	Field Format	an..30	Field Status	C
Field Name	<u>City 2</u>				

Description This field contains further information to the City

Processing outgoing
EDI Sub-System None

ERP LN The City information from ERP LN table field tcom130.namf is mapped to this position depending on the appearance's specific evaluation expression.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	13	Field Format	an..10	Field Status	C
Field Name	<u>ZIP / Postal Code</u>				
Description	This field contains the ZIP or postal code referring to the delivery address				
Processing outgoing EDI Sub-System	None				
ERP LN	The ZIP Code from ERP LN table field TFtccom130.pstc is mapped to this position depending on the appearance's specific evaluation expression.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	14	Field Format	an..2	Field Status	C
Field Name	<u>State / Province</u>				
Description	This field contains the State / province information referring to the delivery address				
Processing outgoing EDI Sub-System	None				
ERP LN	The State / province from ERP LN table field tccom130.cstc is mapped to this position depending on the appearance's specific evaluation expression.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	15	Field Format	an..32	Field Status	C
Field Name	<u>Telephone</u>				

Description	This field contains the telephone number
Processing outgoing EDI Sub-System	None
ERP LN	The Telephone number from ERP LN table field TFtccom130.tel is mapped to this position depending on the appearance's specific evaluation expression.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	16	Field Format	an..15	Field Status	C
Field Name	<u>Telex</u>				

Description	This field contains the telex number
Processing outgoing EDI Sub-System	None
ERP LN	The Telex number from ERP LN table field tccom130.telx is mapped to this position depending on the appearance's specific evaluation expression.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	17	Field Format	an..32	Field Status	C
Field Name	<u>Telefax</u>				

Description	This field contains the Fax number
Processing outgoing EDI Sub-System	None
ERP LN	The Fax number from ERP LN table field tccom130.tefx is mapped to this position depending on the appearance's specific evaluation expression.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	18	Field Format	an..10	Field Status	C
Field Name	<u>GEO Code</u>				

Description	This field contains the GEO Code
Processing outgoing EDI Sub-System	None
ERP LN	The GEO Code from ERP LN table field tccom130.geoc is mapped to this position depending on the appearance's specific evaluation expression.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	19	Field Format	an..10	Field Status	C
Field Name	<u>House Number</u>				

Description This field contains the house number referring to the address

Processing outgoing
EDI Sub-System None

ERP LN The house number from ERP LN table field tcom130.hono is mapped to this position depending on the appearance's specific evaluation expression.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	20	Field Format	an..10	Field Status	C
Field Name	<u>P.O. Box Number</u>				

Description This field contains the P.O. Box Number

Processing outgoing
EDI Sub-System None

ERP LN The Box number from ERP LN table field tcom130.pobn is mapped to this position depending on the appearance's specific evaluation expression.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	22	Field Format	an..30	Field Status	C
Field Name	<u>City Description</u>				

Description	This field contains the Description of the City
Processing outgoing EDI Sub-System	None
ERP LN	The string from ERP LN table field tccom130.dsca is mapped to this position depending on the appearance's specific evaluation expression.
Processing Incoming EDI Sub-System	.
ERP LN	N. A.

Position	23	Field Format	an..8	Field Status	C
Field Name	<u>City Code</u>				

Description	This field contains the Code of the City
Processing outgoing EDI Sub-System	None
ERP LN	The Code from ERP LN table field TFtccom130.ccit is mapped to this position depending on the appearance's specific evaluation expression.
Processing Incoming EDI Sub-System	.
ERP LN	N. A.

Position	30	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA3_END'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA3_END'.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

SA4 Order Response Header Text

Status: Conditional
 Frequency: Multiple by Order Response
 Description: This data record contains the text information of the Order Response Header and is related to SA2.

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA4		SA4	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	(Customer) Order No.	O/I	M	an..30 an..9	tdsls400.orno		tdpur400.corn	
5	Header text 1		C	an..80	tdsls400.txta		tdpur400.txta	
6	Header text 2		C	an..80	tdsls400.txta		tdpur400.txta	
7	Data Record End Sign	O/I	M	an7	SA4_END		SA4_END	

Detailed description: Order Acknowledgment / Response

Kind of data record: SA4 Header Text

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Kind of Data Record</u>		Key field Out / IN		

Description This field identifies the kind of data record in the message block. It contains the constant value 'SA4'.

Processing outgoing
EDI Sub-System

ERP LN This field will be filled with the constant value 'SA4'.

Processing Incoming
EDI Sub-System

This field will be filled with the constant value 'SA4'.

ERP LN None

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		

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

Processing outgoing
EDI Sub-System

ERP LN Refer to data record SA2

Processing Incoming
EDI Sub-System

ERP LN Refer to data record SA2

Position	3	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of sender</u>		Key field Out / In		

Description This field contains the identification of the sender (for example the ILN Number)

Processing outgoing
EDI Sub-System

ERP LN Refer to data record SA2

Processing Incoming
EDI Sub-System

ERP LN Refer to data record SA2

Position	4	Field Format	an..9 / an..30	Field Status	M
Field Name	<u>Order Number</u>		Key field Out / In		

Description This field contains the origin Order Number.

Processing outgoing
EDI Sub-System

ERP LN Refer to data record SA2.

Processing Incoming
EDI Sub-System

ERP LN Refer to data record SA2

Position	5	Field Format	an..80	Field Status	C
Field Name	<u>Order Header Text 1</u>				

Description This field contains a free text 1 with a maximum of 80 characters.

Processing outgoing
EDI Sub-System

ERP LN Mapping of ERP LN table field tds400.txta to position.

Processing Incoming
EDI Sub-System Transmission of the value from the transmission file.

ERP LN Mapping to ERP LN table field tdpur400.txta

Position	6	Field Format	an..80	Field Status	C
Field Name	<u>Order Header Text 2</u>				
Description	This field contains a free text 2 with a maximum of 80 characters.				
Processing outgoing EDI Sub-System					
ERP LN	Mapping of ERP LN table field tdsIs400.txta to position.				
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field tdpur400.txta				

Position	7	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA4_END'.				
Processing outgoing EDI Sub-System					
ERP LN	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'.				
ERP LN	None				

SA5 Order Response Line

Status: Mandatory

Frequency: Multiple by order response number

Description: This data records contain information about the ordered items; it is related to SA2.

Order In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA5		SA5	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	(Customer) Order No.	O/I	M	an..9 an..30	tdpur401.orno		tdpur400.corn	
5	Order Position / Reference Line Number		M	n..5 an..16	tdsls401.pono		ecedi705.refn	
6	Sequence Number		M	n..5 an..11	tdsls401.sqnb		ecedi705.rsqn	
7	Customer Order Position		C	n..5	tdsls401.corp		tdpur401.pono	
8	Customer Order Sequence		C	n..5	tdsls4001.cors		tdpur401.cors	
9	Project		C	an..9	tdsls401.cprj		tdpur401.cprj	
10	Qualifier Item Code		C	an..6	ecedi011.code / SA		SA	
11	Item Code		C	an..47	tdsls401.item	Conversion	tdpur401.item	Conversion

Order In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
12	Supplier's Item Code	C	an..47	tdsls401.item	Conversion		
13	Description of the Item	C	an..30	tcibd001.dsca			
14	Ordered Quantity	M	n..15	tdsls401.qoor		tdpur401.qoor	
15	Back Order Quantity	C	n..15	tdsls401.qbbo			
16	Sales / Purchase Unit	M	an..3	tdsls401.cuqp	Code and Conversion	tdpur401.cuqs	Code and Conversion
17	Price	C	n..19	tdsls401.pric		tdpur401.pric	
18	Sales / Purchase Price Unit	C	an..3	tdsls401.cupp	Code and Conversion	tdpur401.cups	Code and Conversion
19	Order Line Discount Percentage 1	C	n..6	tdsls401.disc(1)		tdpur401.disc(1)	
20	Order Line Discount Percentage 2	C	n..6	tdsls401.disc(2)		tdpur401.disc(2)	
21	Order Line Discount Percentage 2	C	n..6	tdsls401.disc(3)		tdpur401.disc(3)	
22	Order Line Discount Percentage 4	C	n..6	tdsls401.disc(4)		tdpur401.disc(4)	
23	Order Line Discount Percentage 5	C	n..6	tdsls401.disc(5)		tdpur401.disc(5)	
24	Order Amount	M	n..19	tdsls401.oamt		tdpur401.oamt	
25	Planned Delivery / Confirmed Receipt Date	C	n..14	tdsls401.prdt		tdpur401.ddtc	
26	Order Date	C	n..14	tdsls401.odat			
27	Discount Code 1	C	an..20	tdsls401.cdis(1)	Code- and Conversion	tdpur401.cdis(1)	Code- and Conversion

Order In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
28	Discount Code 2	C	an..20	tdsls401.cdis(2)	Code- and Conversion	tdpur401.cdis(2)	Code- and Conversion
29	Discount Code 3	C	an..20	tdsls401.cdis(3)	Code- and Conversion	tdpur401.cdis(3)	Code- and Conversion
30	Discount Code 4	C	an..20	tdsls401.cdis(4)	Code- and Conversion	tdpur401.cdis(4)	Code- and Conversion
31	Discount Code 5	C	an..20	tdsls401.cdis(5)	Code- and Conversion	tdpur401.cdis(5)	Code- and Conversion
32	Discount Method 1	C	an..20	tdsls401.dmth(1)		tdpur401.dmth(1)	Code- and Conversion
33	Discount Method 2	C	an..20	tdsls401.dmth(2)		tdpur401.dmth(2)	Code- and Conversion
34	Discount Method 3	C	an..20	tdsls401.dmth(3)		tdpur401.dmth(3)	Code- and Conversion
35	Discount Method 4	C	an..20	tdsls401.dmth(4)		tdpur401.dmth(4)	Code- and Conversion
36	Discount Method 5	C	an..20	tdsls401.dmth(5)		tdpur401.dmth(5)	Code- and Conversion
37	Discount Amount 1	C	n..15	tdsls401.ldam(1)		tdpur401.ldam(1)	
38	Discount Amount 2	C	n..15	tdsls401.ldam(2)		tdpur401.ldam(2)	
39	Discount Amount 3	C	n..15	tdsls401.ldam(3)		tdpur401.ldam(3)	
40	Discount Amount 4	C	n..15	tdsls401.ldam(4)		tdpur401.ldam(4)	
41	Discount Amount 5	C	n..15	tdsls401.ldam(5)		tdpur401.ldam(5)	
42	Lot Selection	C	an..20	tdsls401.lsel	Conversion	tdpur401.lsel	Conversion
43	Lot	C	an..20	tdsls401.clot	Conversion	tdpur401.clot	Conversion
44	Qualifier Lot	C	an..6	ZZ		ZZ	
45	Business Partner's Lot	C	an..30	whlhc100.ltbp			
46	Qualifier Business Partner's Lot	C	an..6	BP			
47	Sales / Purch. Acknowledgment	M	n1	tdsls401.akcd	Conversion	tdpur401.akcd	Conversion

Order In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
48	Ship-to BP / Warehouse	M	an..6	tdsls401.stbp	Conversion	tdsls401.cwar	Conversion
49	Address Code Qualifier	C	an..6	ZZ		ZZ	
50	Address / BP Qualifier	C	an..6	ecedi224.code / STBP			
51	Warehouse / Ship-from BP	C	an..	tdsls401.cwar	Conversion	tdpur401.sfbp	Conversion
52	Address Code Qualifier	C	an..6	ZZ		ZZ	
53	Address / BP Qualifier	C	an..6	ecedi224.code / CWAR		SFBP	
54	Planned Delivery / Receipt Date	C	n..14	tdsls401.ddtb		tdpur401.ddta	
55	Delivery Date	M	n..14	tdsls401.dldt			
56	Delivered Quantity	M	n..	tdsls401.qidl			
57	Forwarding Agent / Carrier	C	an..20	tdsls401.cfrw	Code and Conversion	tdpur401.cfrw	Code and Conversion
58	Length	C	n..8	tdsls401.leng		tdpur401.leng	
59	Width	C	n..8	tdsls401.widt		tdpur401.widt	
60	High	C	n..8	tdsls401.thic		tdpur401.thic	
61	Order Confirmation Date	C	n..14	Current Date		tdpur401.ddtf	
62	Tax Code	C	an..10	tdsls401.cvat	Code- and Conversion	tdpur401.cvat	Code and Conversion
63	Qualifier Tax Code ID	C		ecedi240 / ZZ		ZZ	
64	Exempt Reason	C	an..6	tdsls401.rcod	Code and Conversion	tdpur401.rcod	Code and Conversion
65	Exempt Certificate	C	an..20	tdsls401.ceno		tdpur401.ceno	
66	Effectivity Unit	C		tdpur401.effn		tdsls401.effn	
67							
68							

Order In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
69							
70	Terms of Delivery	C	an..6	tdsls401.cdec	Code and Conversion	tdpur401.cdec	Code and Conversion
71	Description Terms of Delivery	C	an..30	tcmcs041.dsca			
72	Point of Title Passage	C	an..12	tdsls401.ptpa	Code and Conversion	tdpur401.ptpa	Code and Conversion
73	Description Point of Title Passage	C	an..50	tcmcs042.dsca			
74	Exempt	C		tdsls401.exmt		tdpur401.exmt	
75	Tax country	C		tdsls401.ccty	Conversion	tdpur401.ccty	Conversion
76	Manufacturer	C	an..6			tdpur401.cmnf	
77	BP Tax Country	C	an..6	tdpur401.bptc	Code and Conversion	tdsls401.bptc	Code and Conversion
78	Preferred Manufacturer	C	an..35			tdpur401.mprn	
79							
80							
90	Data record end sign	M	an..7	SA5_END		SA5_END	

Detailed description: Order Acknowledgment / Response

Kind of data record: SA5 Order Response Line

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Kind of Data Record</u>		Key field Out / IN		
Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA5'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA5'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA5'.				
ERP LN	None				

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	This field identifies all connected data records of one order. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission.				
Processing outgoing EDI Sub-System					
ERP LN	Refer to data record SA2				
Processing Incoming EDI Sub-System					
ERP LN	Refer to data record SA2				

Position	3	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of sender</u>		Key field Out		
Description	This field contains the identification of the sender (for example the ILN Number)				
Processing outgoing EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Refer to data record SA2				
Processing Incoming EDI Sub-System					
ERP LN	Refer to data record SA2				

Position	4	Field Format	an..30 / an..9	Field Status	M
Field Name	<u>Order / Reference Number</u>		Key field Out / In		
Description	This field contains the origin Order Number.				
Processing outgoing EDI Sub-System	None				
ERP LN	The sales order number is mapped from ERP LN table field tdsls400.orno to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to ERP LN table field ecedi702.msno				

Position	5	Field Format	an..16 /n..5	Field Status	M
Field Name	<u>Order / Reference Position Number</u>				
Description	This field contains the Order Position Number.				
Processing outgoing EDI Sub-System	None				
ERP LN	The sales order line's number from ERP LN table field tdsls401.pono is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to ERP LN table field ecedi705.refn				

Position	6	Field Format	an..11 / n..5	Field Status	M
Field Name	<u>Order / Reference Sequence Number</u>				

Description This field contains the Order Sequence Number.

Processing outgoing
EDI Sub-System None

ERP LN The sales order line's sequence number from ERP LN table field tds401.sqnb is mapped to this position.

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

ERP LN Mapping to ERP LN table field ecedi705.rsqn

Position	7	Field Format	n..5	Field Status	M
Field Name	<u>Customer Order Position</u>				

Description This field contains the Order Position Number.

Processing outgoing
EDI Sub-System None

ERP LN The customer's order position number from ERP LN table field tds401.corp is mapped to this position.

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

ERP LN Mapping to ERP LN table field tdpur401.pono

Position	8	Field Format	n..5	Field Status	M
Field Name	<u>Customer Order Sequence</u>				

Description This field contains the Order Position Number.

Processing outgoing
EDI Sub-System None

ERP LN The customer's order position number from ERP LN table field tds401.cors is mapped to this position.

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

ERP LN Mapping to ERP LN table field tdpur401.cors

Position	9	Field Format	an..9	Field Status	C
Field Name	<u>Project</u>				

Description	This field contains the related Project.
Processing outgoing EDI Sub-System	None
ERP LN	The project from ERP LN table field tdsIs401.cprj is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to ERP LN table field tdpur401.cprj

Position	10	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Item Code</u>				

Description	This field contains the qualifier for the item code.
Processing outgoing EDI Sub-System	None
ERP LN	This field will be filled with ecedi011.code , "SA".
Processing Incoming EDI Sub-System	"SA".
ERP LN	Used as qualifier for the conversion of the item code.

Position	11	Field Format	an..47	Field Status	C
Field Name	<u>Buyer's Item Code</u>				

Description This field contains the Buyer's item code.

Processing outgoing
EDI Sub-System

ERP LN The item code from ERP LN table field tdsIs401.item is mapped to this position. If the buyer wants to send out the EAN Item Code a conversion is needed. The conversion setup has to be adapted to the demand under the use of the corresponding qualifier from pos.10.

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

ERP LN Mapping to the ERP LN table field TFDsIs401.item after conversion of the given qualifier.

Position	12	Field Format	an..47	Field Status	C
Field Name	<u>Supplier's Item Code</u>				

Description This field contains the Supplier's item code.

Processing outgoing
EDI Sub-System

ERP LN The item code from ERP LN table field tdsIs401.item is mapped to this position after conversion.

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

ERP LN None

Position	13	Field Format	an..30	Field Status	C
Field Name	<u>Description of the item</u>				
Description	This field contains the description of the item.				
Processing outgoing EDI Sub-System					
ERP LN	The description of the item from ERP LN table field tcibd001.dsca is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	14	Field Format	n..15	Field Status	C
Field Name	<u>Ordered Quantity</u>				
Description	This field contains the quantity ordered on this order line.				
Processing outgoing EDI Sub-System					
ERP LN	The ordered quantity from ERP LN table field tdsls401.qoor is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur401.qoor.				

Position	15	Field Format	n..15	Field Status	C
Field Name	<u>Back Order Quantity</u>				
Description	This field contains the back order quantity				
Processing outgoing EDI Sub-System					
ERP LN	The back order quantity of the item from ERP LN table field tdsls401.qbbo is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	16	Field Format	an..3	Field Status	C
Field Name	<u>Sales / Purchase Unit</u>				

Description This field contains the sales / purchase unit of the item.

Processing outgoing
EDI Sub-System

ERP LN The sales unit from ERP LN table field tdsls401.cupq is mapped to this position and converted with ERP LN table ecedi442.

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

ERP LN Mapping to the ERP LN table field tdpur401.cuqs and conversion with ERP table ecedi304 is possible.

Position	17	Field Format	n..15	Field Status	C
Field Name	<u>Price</u>				

Description This field contains the price of the item.

Processing outgoing
EDI Sub-System

ERP LN The price from ERP LN table field tdsls401.pric is mapped to this position.

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

ERP LN Mapping to the ERP LN table field tdpur401.pric.

Position	18	Field Format	an..3	Field Status	C
Field Name	<u>Sales /Purchase Price Unit</u>				

Description This field contains the sales / purchase unit the price refers to.

Processing outgoing
EDI Sub-System

ERP LN The sales price unit from ERP LN table field tdsls401.cupp is mapped to this position and converted with ERP LN table ecedi442.

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

ERP LN Mapping to the ERP LN table field tdpur401.cups and conversion with ERP LN table ecedi304 is possible.

Positions	19..23	Field Format	n..6	Field Status	C
Field Name	<u>Order Line Discount Percentage</u>				

Description: These fields contain the percentages for the order line discounts related to the first five levels.

Processing outgoing
EDI Sub-System

ERP LN: The percentages of the order line discounts from ERP LN table fields tds1s401.disc(1) ... (5) are mapped to these positions.

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

ERP LN: Mapping to the ERP LN table fields tdpur401.disc(1) ... (5).

Positions	24	Field Format	n..19	Field Status	C
Field Name	<u>Order Line Amount</u>				

Description: These fields contain the amount of the order line.

Processing outgoing
EDI Sub-System

ERP LN: The amount from ERP LN table fields tds1s401.oamt is mapped to these positions.

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

ERP LN: Mapping to the ERP LN table field tdpur401.oamt

Position	25	Field Format	n..14	Field Status	C
Field Name	<u>Planned Receipt Date / Time</u>				

Description The field contains the planned receipt date/time of the order line.

Processing outgoing
EDI Sub-System

ERP LN The planned date of the sales order line from ERP LN table field tdsls401.prdt is mapped to this position.

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

ERP LN Mapping the confirmed receipt date to the ERP LN table field tdsls401.ddtc.

Position	26	Field Format	n..14	Field Status	C
Field Name	<u>Order Date</u>				

Description The order date of the order line is the date on which the order line was entered into the system.

Processing outgoing
EDI Sub-System

ERP LN The order date of the sales order line from ERP LN table field tdsls401.odat is mapped to this position.

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

ERP LN None.

Positions	27..31	Field Format	an..20	Field Status	C
Field Name	<u>Discount Code</u>				

Description: These fields contain the used codes for line discount levels.

Processing outgoing
EDI Sub-System

ERP LN: The codes for the discounts from ERP LN table fields tdsls401.cdis(1) ... (5) are mapped to these positions and converted using ERP LN table ecedi474.

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

ERP LN: Mapping to the ERP LN table fields tdsls401.cdis(1) ... (5) and conversion using ERP LN table ecedi332.

Positions	32..37	Field Format	an..20	Field Status	C
Field Name	<u>Discount Method</u>				

Description: These fields contain the used discount method per discount level.

Processing outgoing
EDI Sub-System

ERP LN: The discount methods from ERP LN table fields tdsls401.dmeth(1)...(5) are mapped to these positions and possibly converted by BP using ERP LN table ecedi475. If no conversion is done the original values are mapped.

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

ERP LN: Mapping to the ERP LN table fields tdpur401.dmeth(1)...(5) and conversion using ERP LN table ecedi333.

Positions	38..41	Field Format	n..15	Field Status	C
Field Name	<u>Discount Amount</u>				

Description These fields contain the amount of the order line discount referring to five levels.

Processing outgoing
EDI Sub-System

ERP LN The amounts of the discounts from ERP LN table fields tdsls401.ldam(1) ... (5) are mapped to these positions.

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

ERP LN Mapping to the ERP LN table fields tdpur401.ldam(1) ... (5)

Position	42	Field Format	an..20	Field Status	C
Field Name	<u>Lot Selection</u>				

Description This field contains the lot selection.

Processing outgoing
EDI Sub-System

ERP LN The lot selection from ERP LN table field tdsls401.lsel is mapped to this position and possibly converted by BP using ERP LN table ecedi476. If no conversion is done the original value is mapped.

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

ERP LN Mapping to the ERP LN table field tdpur401.lsel and conversion using ERP LN table ecedi334.

Position	43	Field Format	an..20	Field Status	C
Field Name	<u>Lot</u>				

Description This field contains the item's lot.

Processing outgoing
EDI Sub-System

ERP LN The lot from ERP LN table field tds401.clot is mapped to this position and possibly converted by BP using ERP LN table ecedi477 and the Qualifier of pos. 44. If no conversion is done the original value is mapped.

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

ERP LN Mapping to the ERP LN table field tdpur401.clot and converted using the ERP LN table ecedi335 and the Qualifier of pos. 44.

Position	44	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Lot</u>				

Description This field contains the qualifier for the lot conversion.
It defines if the code in message is the internal code or the BP code.

Processing outgoing
EDI Sub-System

ERP LN "ZZ".

Processing Incoming
EDI Sub-System "ZZ".

ERP LN Used as qualifier for the conversion of the item code.

Position	45	Field Format	an..30	Field Status	C
Field Name	<u>Business Partner's Lot</u>				

Description This field contains the Buy-from Business Partner's Lot code.

Processing outgoing
EDI Sub-System

ERP LN The identification for the business partner's Lot number from ERP LN table field whltc100.ltbp is mapped to the position.

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

ERP LN None.

Position	46	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Business Partner Lot</u>				

Description This field contains the qualifier for the Business Partner's lot.

Processing outgoing
EDI Sub-System

ERP LN "BP"

Processing Incoming
EDI Sub-System

ERP LN N.A.

Position	47	Field Format	an..2	Field Status	M
Field Name	<u>Sales / Pur. Acknowledgment</u>				
Description	A code that represents the reasons for a sales / purchase acknowledgement. The code has to be agreed to the business partner. Please maintain the table ecedi299 first.				
Processing outgoing EDI Sub-System					
ERP LN	The Sales Acknowledgement Code from ERP LN table field tdsls401.akcd is converted using the conversion table ecedi428 and mapped to the position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur401.akcd and conversion with the table ecedi341.				

Position	48	Field Format	an..20	Field Status	C
Field Name	<u>Ship-to-BP / Warehouse</u>				
Description	This position contains the code for the Business Partner where the goods are shipped.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code for the Ship –to Business Partner from ERP LN table field tdsls401.stbp is converted using the conversion table ecedi463 and the default Qualifier “ZZ”, and it is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The Code for the Warehouse has to convert using the Address Code ID = “ZZ”, and it has to map to the ERP LN table field tdpur401.cwar.				

Position	49	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Address Code</u>				

Description This position is used to store the default qualifier 1 for the Address code which is defined in the message definition.

Processing outgoing

EDI Sub-System None

ERP LN "ZZ"

Processing Incoming

EDI Sub-System

ERP LN "ZZ"

Position	50	Field Format	an...6	Field Status	C
Field Name	<u>Address / BP Code</u>				

Description This position contains the standard qualifier 2 for the Ship-to Business Partner or supplier's warehouse.

Processing outgoing

EDI Sub-System None

ERP LN The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position.

Default value is the constant "STBP".

Processing Incoming

EDI Sub-System

ERP LN

Position	51	Field Format	an..20	Field Status	C
Field Name	<u>Warehouse / Ship-from BP</u>				
Description	This position contains the code of the Delivery Warehouse of the message sender.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code for the Warehouse from ERP LN table field tds401.cwar is converted using the conversion table ecedi463 and the default Qualifier "CWAR", and it is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The Code for the Ship-from BP has to convert using the conversion table ecedi328 and Address Code ID given in ecedi224, and it has to map to the ERP LN table field tds401.sfbp.				

Position	52	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Address Code</u>				
Description	This position is used to store the default qualifier 1 for the Address code which is defined in the message definition. It can be used to identify the ship-from warehouse and ship-from address.				
Processing outgoing EDI Sub-System	None				
ERP LN	"ZZ"				
Processing Incoming EDI Sub-System					
ERP LN	"ZZ"				

Position	53	Field Format	an..6	Field Status	C
Field Name	<u>Address/ BP Code</u>				

Description This position contains the standard qualifier 2 for the Warehouse

Processing outgoing
EDI Sub-System None

ERP LN The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position.
Default value is the constant "CWAR".

Processing Incoming
EDI Sub-System

ERP LN Use the code "SFBP" to identify the Ship-from BP.

Position	54	Field Format	n..14	Field Status	C
Field Name	<u>Planned Delivery Date / Time</u>				

Description The planned delivery date/time of the order line is the date/time on which the items on the order line must be delivered.

Processing outgoing
EDI Sub-System

ERP LN The order date of the purchase order line from ERP LN table field tds401.ddtb is mapped to this position.

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

ERP LN Mapping to the ERP LN table field tdpur401.ddta.

Position	57	Field Format	an..20	Field Status	C
Field Name	<u>Forwarding Agent</u>				

Description This field contains the code for the forwarding agent.

Processing outgoing
EDI Sub-System

ERP LN The code of the forwarding agent from ERP LN table field tdsIs401.cfw is mapped to this position and converted using ERP LN table ecedi456.

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

ERP LN Mapping to the ERP LN table field tdpur401.cfw and conversion using ERP LN table ecedi318.

Position	58	Field Format	an..20	Field Status	C
Field Name	<u>Length</u>				

Description This field contains the length of the item based on an agreed physical unit.

Processing outgoing
EDI Sub-System

ERP LN The length from ERP LN table field tdsIs401.leng is mapped to this position.

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

ERP LN Mapping to the ERP LN table field tdpur401.leng.

Position	59	Field Format	an..20	Field Status	C
Field Name	<u>Width</u>				
Description	This field contains the width of the item based on an agreed physical unit.				
Processing outgoing EDI Sub-System					
ERP LN	The width from ERP LN table field tdsIs401.widt is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur401.widt.				

Position	60	Field Format	an..20	Field Status	C
Field Name	<u>Height</u>				
Description	This field contains the width of the item based on an agreed physical unit.				
Processing outgoing EDI Sub-System					
ERP LN	The height from ERP LN table field tdsIs401.thic is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur401.thic.				

Position	61	Field Format	n..14	Field Status	C
Field Name	<u>Order Confirmation Date</u>				
Description	This field contains the date on which the order is confirmed by the supplier.				
Processing outgoing EDI Sub-System					
ERP LN	The current date / time is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur401.ddtf				

Position	62	Field Format	an..10	Field Status	C
Field Name	<u>Tax Code</u>				

Description	This field contains the tax code.
Processing outgoing EDI Sub-System	
ERP LN	The tax code from ERP LN table field tdsIs401.cvat is mapped to this position and converted with ERP LN table ecedi446 using the Tax Code ID of Pos. 63.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tdpur401.cvat after conversion with ERP LN table ecedi308 using the Tax Code ID of Pos. 63.

Position	63	Field Format	an..3	Field Status	C
Field Name	<u>Qualifier Tax Code ID</u>				

Description	This field contains the qualifier for the tax code.
Processing outgoing EDI Sub-System	None
ERP LN	This field will be filled with "ZZ".
Processing Incoming EDI Sub-System	
ERP LN	"ZZ"

Position	64	Field Format	an..6	Field Status	C
Field Name	<u>Exempt Reason</u>				

Description This field contains the exempt reason.

Processing outgoing
EDI Sub-System None

ERP LN The exempt reason is mapped from ERP LN table field tdsls401.rcod to this position after conversion with ERP LN table ecedi495.

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

ERP LN Mapping to the ERP LN table field tdpur401.rdoc after conversion with ERP LN table ecedi353.

Position	65	Field Format	an..20	Field Status	C
Field Name	<u>Exempt Certificate</u>				

Description This field contains the exempt certificate.

Processing outgoing
EDI Sub-System

ERP LN The exempt certificate from ERP LN table field tdsls401.ceno is mapped to this position.

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

ERP LN Mapping to the ERP LN table field tdpur401.ceno.

Position	66	Field Format	n..10	Field Status	C
Field Name	<u>Effectivity Unit</u>				
Description	This field contains the effectivity unit.				
Processing outgoing EDI Sub-System					
ERP LN	The effectivity unit from ERP LN table field tdsIs401.effn is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur401.effn.				

The positions 67, 68 and 69 are not used currently.

Position	70	Field Format	an..6	Field Status	C
Field Name	<u>Terms of Delivery</u>				
Description	This field contains a code for the Term of Delivery.				
Processing outgoing EDI Sub-System	None				
ERP LN	The terms of delivery code is mapped from ERP LN table tdsIs401.cdec to this position after conversion with ERP LN table ecedi430.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdpur401.cdec after conversion with ERP LN table ecedi300.				

Position	71	Field Format	an..30	Field Status	C
Field Name	<u>Description (Term of Delivery)</u>				
Description	This field contains the description of the code for the Term of Delivery. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The description is mapped from the ERP LN Table field tcmcs041.dsca.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	72	Field Format	an..12	Field Status	C
Field Name	<u>Point of Title Passage</u>				
Description	This field contains the point of title passage.				
Processing outgoing EDI Sub-System	None				
ERP LN	The point of title passage is mapped from ERP LN table tdsls401.ptpa to this position after conversion with ERP LN table ecedi431.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdsls401.ptpa after conversion with ERP LN table ecedi301.				

Position	73	Field Format	an..50	Field Status	C
Field Name	<u>Description (Point of Title Passage)</u>				

Description This field contains the description of the point of title passage. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System

None

ERP LN

The description is mapped from the ERP LN Table field tcmcs042.dsca.

Processing Incoming
EDI Sub-System

ERP LN

Position	74	Field Format	n..10	Field Status	C
Field Name	<u>Exempt</u>				

Description This field contains a qualifier if tax exemption applies or not.

Processing outgoing
EDI Sub-System

ERP LN

The exempt qualifier from ERP LN table field tds1s401.exmt is mapped to this position.

Processing Incoming
EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to the ERP LN table field tdpur401.exmt.

Position	75	Field Format	an..6	Field Status	C
Field Name	<u>Tax Country</u>				

Description This field contains the country code which is linked to the tax code.

Processing outgoing
EDI Sub-System None

ERP LN The tax country code is mapped from ERP LN table field tdsIs401.ccty to this position after conversion with ERP LN table ecedi440.

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

ERP LN Mapping to the ERP LN table field tdpur401.ccty after conversion with ERP LN table ecedi302.

Position	76	Field Format	an..6	Field Status	C
Field Name	<u>Manufacturer</u>				

Description A supplier of finished goods.

Processing outgoing
EDI Sub-System

ERP LN N. A.

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

ERP LN The code for the manufacturer from the ERP LN Table field tdpur401.cmnf is mapped to this position.

Position	77	Field Format	an..6	Field Status	C
Field Name	<u>BP Tax Country</u>				

Description	This field contains the tax country code of the Business Partner.
Processing outgoing EDI Sub-System	None
ERP LN	The business partner tax country code is mapped from ERP LN table TBtdpur401.bptc to this position after conversion with ERP LN table TBecedi440.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field TFtdsls401.bptc after conversion with ERP LN table TBecedi302.

Position	78	Field Format	an..35	Field Status	C
Field Name	<u>Preferred Manufacturer</u>				

Description	The field contains the preferred manufacturer's number
Processing outgoing EDI Sub-System	
ERP LN	N. A.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	The code for the preferred manufacturer is mapped to the ERP LN table field tdpur401.mpnr.

Position	90	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA5_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA5_END'.				
Processing Incoming EDI Sub-System					
ERP LN	None				

SA6 Order Response Line Text

Status: Conditional
 Frequency: Once by Order response Position
 Description: This data record contains the text information of the Order Response Line and is related to SA5.

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA6		SA6	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	(Customer) Order No.	O/I	M	an..9 an..30	tdpur401.orno		tdpur400.corn	
5	Order Position / Reference Line Number	O/I	M	n..5 an..16	tdsls401.pono		ecedi705.refn	
6	Sequence Number	O/I	M	n..5 an..11	tdsls401.sqnb		ecedi705.rsqn	
7	Free text 1		C	an..80	tdsls401.txta		tdpur401.txta	
8	Free text 2		C	an..80	Tdsls401.txta		Tdpur401.txta	
9	Data Record End Sign	O/I	M	an7	SA6_END		SA6_END	

Detailed description: Order Acknowledgment / Response
 Kind of data record: SA6 Order Response Line Text

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Kind of Data Record</u>		Key field Out / IN		
Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA6'.				
Processing outgoing EDI Sub-System					
ERP LN	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'.				
ERP LN	None				

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	This field identifies all connected data records of one order. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission.				
Processing outgoing EDI Sub-System					
ERP LN	Refer to data record SA5				
Processing Incoming EDI Sub-System					
ERP LN	Refer to data record SA5				

The record fields SA6 / 3 until SA6 / 6 refer to the same fields of the data record SA5 (order line).

Position	7	Field Format	an..80	Field Status	C
Field Name	<u>Line Text 1</u>		Key field		
Description	This field contains a free text 1 with a maximum of 80 characters.				
Processing outgoing EDI Sub-System					
ERP LN	Mapping of ERP LN table field tdsIs401.txta to position.				
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field tdpur401.txta				

Position	8	Field Format	an..80	Field Status	C
Field Name	<u>Line Text 2</u>		Key field		
Description	This field contains a free text 2 with a maximum of 80 characters.				
Processing outgoing EDI Sub-System					
ERP LN	Mapping of ERP LN table field tdsIs401.txta to position.				
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field tdpur401.txta				

Position	9	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA6_END'.				
Processing outgoing EDI Sub-System					
ERP LN	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'.				
ERP LN	None				

SA7 Order Response Line's Specific Addresses

Status:	Conditional
Frequency:	Twice at maximum per Order Response Position
Description:	This data record contains the specific addresses referring to the Order Response Position; and it is related to SA5.

This data record is used referring to the Ship-to Business Partner and the delivery warehouse. The appearance of the record depends on the Address / BP Qualifier; each record uses an own evaluation expression.

Appearance Ship-to Business Partner

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA7			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	(Customer) Order No.	O/I	M	an..9	tdpur401.orno			
5	Order Position / Reference Line Number	O/I	M	n..5	tdsls401.pono			
6	Sequence Number	O/I	M	n..5	tdsls401.sqnb			

Order Response In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
7	Address Qualifier	M	an..6	ecedi224.code	Conversion Evaluation ⁶	
8	Country	C	an..3	tccom130.ccty	Code and conversion; LNSTAD	
9	Name	C	an..35	tccom130.nama	LNSTAD	
10	Name 2	C	an..35	tccom130.namb	LNSTAD	
11	Address	C	an..30	tccom130.namc	LNSTAD	
12	Address 2	C	an..30	tccom130.namd	LNSTAD	
13						
14	City 2	C	an..30	tccom130.namf	LNSTAD	
15	ZIP / Postal Code	C	an..10	tccom130.pstc	LNSTAD	
16	State / Province	C	an..2	tccom130.cste	LNSTAD	
17	Telephone	C	an..32	tccom130.telp	LNSTAD	
18	Telex	C	an..15	tccom130.telx	LNSTAD	
19	Fax	C	an..32	tccom130.tefx	LNSTAD	
20	GEO Code	C	an..10	tccom130.geoc	LNSTAD	
21	House number	C	an..10	tccom130.hono	LNSTAD	
22	P.O. Box Number	C	an..10	tccom130.pobn	LNSTAD	
23						

⁶ Evaluation Expression:

LNSTAD = tccom100.inrl = tyesno.no

or (strip(tdsls401.stad) <> "" and tdsls401.stad <> tccom111.cadr)

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
24	City Description	C		an..30	tccom130.dsca	LNSTAD		
25	City Code	C		an..8	tccom130.ccit	LNSTAD		
30	Data Record End Sign	O/I	M	an7	SA7_END			

Appearance Warehouse

Order Response In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA7			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	(Customer) Order No.	O/I	M	an..9	tdpur401.orno			
5	Order Position / Reference Line Number	O/I	M	n..5	tdsls401.pono			
6	Sequence Number	O/I	M	n..5	tdsls401.sqnb			

Order Response In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
7	Address Qualifier	M	an..6	ecedi224.code	Conversion Evaluation ⁷	
8	Country	C	an..3	tccom130.ccty	Code and conversion; CWAD	
9	Name	C	an..35	tccom130.nama	CWAD	
10	Name 2	C	an..35	tccom130.namb	CWAD	
11	Address	C	an..30	tccom130.namc	CWAD	
12	Address 2	C	an..30	tccom130.namd	CWAD	
13						
14	City 2	C	an..30	tccom130.namf	CWAD	
15	ZIP / Postal Code	C	an..10	tccom130.pstc	CWAD	
16	State / Province	C	an..2	tccom130.cste	CWAD	
17	Telephone	C	an..32	tccom130.telp	CWAD	
18	Telex	C	an..15	tccom130.telx	CWAD	
19	Fax	C	an..32	tccom130.tefx	CWAD	
20	GEO Code	C	an..10	tccom130.geoc	CWAD	
21	House number	C	an..10	tccom130.hono	CWAD	
22	P.O. Box Number	C	an..10	tccom130.pobn	CWAD	
23						

⁷ Evaluation Expression:

CWAD = tccom100.inrl = tcyesno.no or (strip(tcmcs003.cadr) <> "")

Order Response In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
24	City Description	C	an..30	tccom130.dsca	CWAD	
25	City Code	C	an..8	tccom130.ccit	CWAD	
30	Data Record End Sign	O/I	M an7	SA7_END		

Detailed description: Order Acknowledgment / Response
 Kind of data record: SA7 Order Line's Specific Delivery Address

Currently the data record is used only for outgoing messages.

Position	1	Field Format	an3	Field Status	M
Field Name	<u>Kind of Data Record</u>		Key field Out / IN		
Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA7'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA7'.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	This field identifies all connected data records of one order. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission.				
Processing outgoing EDI Sub-System					
ERP LN	Refer to data record SA5				
Processing Incoming EDI Sub-System					
ERP LN					

The record fields SA7 / 3 until SA7 / 6 refer to the same fields of the data record SA5 (order response position).

Appearance referring to the Ship-to BP

Position	7	Field Format	an..6	Field Status	C
Field Name	<u>Address Qualifier (BP)</u>				
Description	This field contains the Qualifier which identifies the next data set as an address referring to the specific role of the Business partner. STBP = the following data is the Ship to (delivery) address; This qualifier must be entered in the ERP LN table ecedi224 regarding to the used organization.				
Processing outgoing EDI Sub-System	None				
ERP LN	The field is filled in from ERP LN table field ecedi224.code; the default value is STBP.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Appearance referring to the Warehouse

Position	7	Field Format	an..6	Field Status	C
Field Name	<u>Address Qualifier (WH)</u>				

Description This field contains the Qualifier which identifies the next data set as a ship from address.

CWAR = Following data is the BP's Warehouse Address

This qualifier must be entered in ERP LN table ecedi224 regarding to the used organization.

Processing outgoing
EDI Sub-System

None

ERP LN

The field is filled in from ERP LN table field ecedi224.code;
the default value is "CWAR".

Processing Incoming
EDI Sub-System

ERP LN

N. A.

Position	8	Field Format	an..3	Field Status	C
Field Name	<u>Country</u>				

Description This field contains the Country of the Address.

The country codes are defined in ERP LN table ecedi226.

Processing outgoing
EDI Sub-System

None

ERP LN

The country code of the address from ERP LN table field tccom130.ccty is
mapped to this position and converts with ERP LN table Tbecedi440.

Processing Incoming
EDI Sub-System

ERP LN

N. A.

Position	9	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				

Description This field contains the first part of Name

Processing outgoing
EDI Sub-System None

ERP LN The First part of the Name from ERP LN table field tccom130.nama is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	10	Field Format	an..30	Field Status	C
Field Name	<u>Name 2</u>				

Description This field contains the second part of name

Processing outgoing
EDI Sub-System None

ERP LN The second part of the Name from ERP LN table field tccom130.namb is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	11	Field Format	an..14	Field Status	C
Field Name	<u>Address</u>				

Description This field contains the first part of the delivery address

Processing outgoing
EDI Sub-System None

ERP LN The First part of the Address from ERP LN table field tccom130.namc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	12	Field Format	an..30	Field Status	C
Field Name	<u>Address 2</u>				

Description This field contains the second part of the delivery address

Processing outgoing
EDI Sub-System None

ERP LN The second part of the Address from ERP LN table field tcom130.namd is mapped to this position.

Processing Incoming
EDI Sub-System
ERP LN

Position	14	Field Format	an..30	Field Status	C
Field Name	<u>City 2</u>				

Description This field contains further information to the City

Processing outgoing
EDI Sub-System None

ERP LN The City information from ERP LN table field tcom130.namf is mapped to this position.

Processing Incoming
EDI Sub-System
ERP LN

Position	15	Field Format	an..10	Field Status	C
Field Name	<u>ZIP / Postal Code</u>				

Description This field contains the ZIP or postal code referring to the delivery address

Processing outgoing
EDI Sub-System None

ERP LN The ZIP Code from ERP LN table field tcom130.pstc is mapped to this position.

Processing Incoming
EDI Sub-System
ERP LN

Position	16	Field Format	an..2	Field Status	C
Field Name	<u>State / Province</u>				

Description This field contains the State / province information referring to the delivery address

Processing outgoing
EDI Sub-System None

ERP LN The State / province from ERP LN table field tccom130.cstc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	17	Field Format	an..32	Field Status	C
Field Name	<u>Telephone</u>				

Description This field contains the telephone number

Processing outgoing
EDI Sub-System None

ERP LN The Telephone number from ERP LN table field tccom130.telp is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	18	Field Format	an..15	Field Status	C
Field Name	<u>Telex</u>				

Description This field contains the telex number

Processing outgoing
EDI Sub-System None

ERP LN The Telex number from ERP LN table field tccom130.telx is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	19	Field Format	an..32	Field Status	C
Field Name	<u>Telefax</u>				

Description This field contains the Fax number

Processing outgoing
EDI Sub-System None

ERP LN The Fax number from ERP LN table field tccom130.tefx is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	20	Field Format	an..10	Field Status	C
Field Name	<u>GEO Code</u>				

Description This field contains the GEO Code

Processing outgoing
EDI Sub-System None

ERP LN The GEO Code from ERP LN table field tccom130.geoc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	21	Field Format	an..10	Field Status	C
Field Name	<u>House Number</u>				

Description This field contains the house number referring to the address

Processing outgoing
EDI Sub-System None

ERP LN The house number from ERP LN table field tccom130.hono is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	22	Field Format	an..10	Field Status	C
Field Name	<u>P.O. Box Number</u>				

Description This field contains the P.O. Box Number

Processing outgoing
EDI Sub-System None

ERP LN The Box number from ERP LN table field tccom130.pobn is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	24	Field Format	an..30	Field Status	C
Field Name	<u>City Description</u>				

Description This field contains the Description of the City

Processing outgoing
EDI Sub-System None

ERP LN The string from ERP LN table field tccom130.dsca is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	25	Field Format	an..8	Field Status	C
Field Name	<u>City Code</u>				

Description This field contains the Code of the City

Processing outgoing
EDI Sub-System None

ERP LN The Code from ERP LN table field TFtccom130.ccit is mapped to this position.

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

ERP LN Mapping to the ERP LN table field TFtccom130.ccit

Position	30	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				

Description This field identifies the end of data record in the message block. It contains the constant value 'SA7_END'.

Processing outgoing
EDI Sub-System

ERP LN This field will be filled with the constant value 'SA7_END'.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Chapter 3 Definitions, Acronyms, and Abbreviations

3

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

Appendix A

Sample File



Example Outgoing message

"SA1";zvt20080417000000000000000000001";zvterp";293001493";zvterp";BEMIS";ORS001";";";20080417;1650;"SA1_END"

"SA2";zvt2008041700000000000000000000001";zvterp";293001493";";20080417;20080417";";";";";";";";CFR";"Cost and freight";";";";";";";N30";"e";0;0;0;"EUR";";0;"ZVT000001";"ZZ";"0";"ZVT000001";"ZZ";"1";"SOAMS1";"ZZ";ZVTWAR";"ZZ";"SFBP";"ZVT000001";"ZZ";"ITBP";"ZVT000001";"ZZ";"PBBP";";";";"TEST VD";"SA2_END"

"SA3";zvt2008041700000000000000000000001";zvterp";293001493";"0";"BEL";"Zvt from CRM";";";";";";";";1234567891";"NA";";";";";";";";";";";"Bunschoten";"BUNSCHOT";";";";";";"SA3_END"

"SA3";zvt2008041700000000000000000000001";zvterp";293001493";"1";"BEL";"Zvt from CRM";";";";";";";";1234567891";"NA";";";";";";";";";";";"Bunschoten";"BUNSCHOT";";";";";";"SA3_END"

"SA3";zvt2008041700000000000000000000001";zvterp";293001493";"SFBP";"NLD";"Zeger van Twillert";";";";"Mozartstraat";";";";";";"UT";";";";";";";";"17";";";";"Bunschoten Spakenburgh";"BUNSCHOT";";";";";"SA3_END"

"SA3";zvt2008041700000000000000000000001";zvterp";293001493";"ITBP";"BEL";"Zvt from CRM";";";";";";";";1234567891";"NA";";";";";";";";";";";"Bunschoten";"BUNSCHOT";";";";";";"SA3_END"

"SA3";zvt2008041700000000000000000000001";zvterp";293001493";"PBBP";"NLD";"Zeger van Twillert";";";";"Mozartstraat";";";";";";"UT";";";";";";";";"17";";";";"Bunschoten Spakenburgh";"BUNSCHOT";";";";";"SA3_END"

"SA4";zvt2008041700000000000000000000001";zvterp";293001493";";";";"SA4_END"

"SA5";zvt2008041700000000000000000000001";zvterp";293001493";"1;0";";";";";"BP";"ETSOT";" ETSOT";"ET Sales Order Test";"4;0;"pcs";"50;"pcs";0;0;0;0;200;20080417;20080417";";";";";";";";"1;1;1;1;0;0;0;0;1";";";";";";"AL";

