



Definition of BEMIS ORD001 Import and Export File for Business Document Trading Orders

Copyright © 2015 Infor

Important Notices

The material contained in this publication (including any supplementary information) constitutes and contains confidential and proprietary information of Infor.

By gaining access to the attached, you acknowledge and agree that the material (including any modification, translation or adaptation of the material) and all copyright, trade secrets and all other right, title and interest therein, are the sole property of Infor and that you shall not gain right, title or interest in the material (including any modification, translation or adaptation of the material) by virtue of your review thereof other than the non-exclusive right to use the material solely in connection with and the furtherance of your license and use of software made available to your company from Infor pursuant to a separate agreement, the terms of which separate agreement shall govern your use of this material and all supplemental related materials ("Purpose").

In addition, by accessing the enclosed material, you acknowledge and agree that you are required to maintain such material in strict confidence and that your use of such material is limited to the Purpose described above. Although Infor has taken due care to ensure that the material included in this publication is accurate and complete, Infor cannot warrant that the information contained in this publication is complete, does not contain typographical or other errors, or will meet your specific requirements. As such, Infor does not assume and hereby disclaims all liability, consequential or otherwise, for any loss or damage to any person or entity which is caused by or relates to errors or omissions in this publication (including any supplementary information), whether such errors or omissions result from negligence, accident or any other cause.

Without limitation, U.S. export control laws and other applicable export and import laws govern your use of this material and you will neither export or re-export, directly or indirectly, this material nor any related materials or supplemental information in violation of such laws, or use such materials for any purpose prohibited by such laws.

Trademark Acknowledgements

The word and design marks set forth herein are trademarks and/or registered trademarks of Infor and/or related affiliates and subsidiaries. All rights reserved. All other company, product, trade or service names referenced may be registered trademarks or trademarks of their respective owners.

Publication Information

Release: Infor LN 10.4 Electronic Commerce

Publication date: May 7, 2015

Document code: U9434BUS

Contents

About this guide	5
Intended audience	5
References.....	6
Chapter 1 General Principles	7
Available types of data records	7
Branching diagrams.....	8
Key fields outgoing	10
Key fields incoming.....	11
Business partner relations.....	12
Network directories.....	12
ERP LN BEMIS messages – conventions	14
What is new in comparison to BEMIS for BAAN V?	16
Chapter 2 Data Record Description by Type of Data Record	17
SA1 Message Overhead	17
SA2 Order Header.....	26
SA3 Order Specific Addresses.....	53
SA4 Order Header Text – Text Data	64
SA8 Order Footer Text – Text Data	68
SA5 Order Line	72
SA6 Order Line Text – Text Data	103
SA7 Order Line's Specific Delivery Address	106
SA9 Product Variant Structure	116
SA10 Variant Option.....	123
SA11 Product Variant Text.....	127
SA12 Variant Option Set Text	130
SA13 Variant Option Text.....	133
SA14 Tax Exemption Certificate Text (only outgoing)	137
Chapter 3 Definitions, Acronyms, and Abbreviations	141

Appendix A Sample File 143

About this guide

This document describes the content and the corresponding structure of the EDI message “Trading Order”, 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 ORDERS
- ANSI X12 850
- 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 Trading Order.

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 Trading Order.

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 ORD001.

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>

Send us your comments

We continually review and improve our documentation. Any remarks/requests for information concerning this document or topic are appreciated. Please e-mail your comments to documentation@infor.com.

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

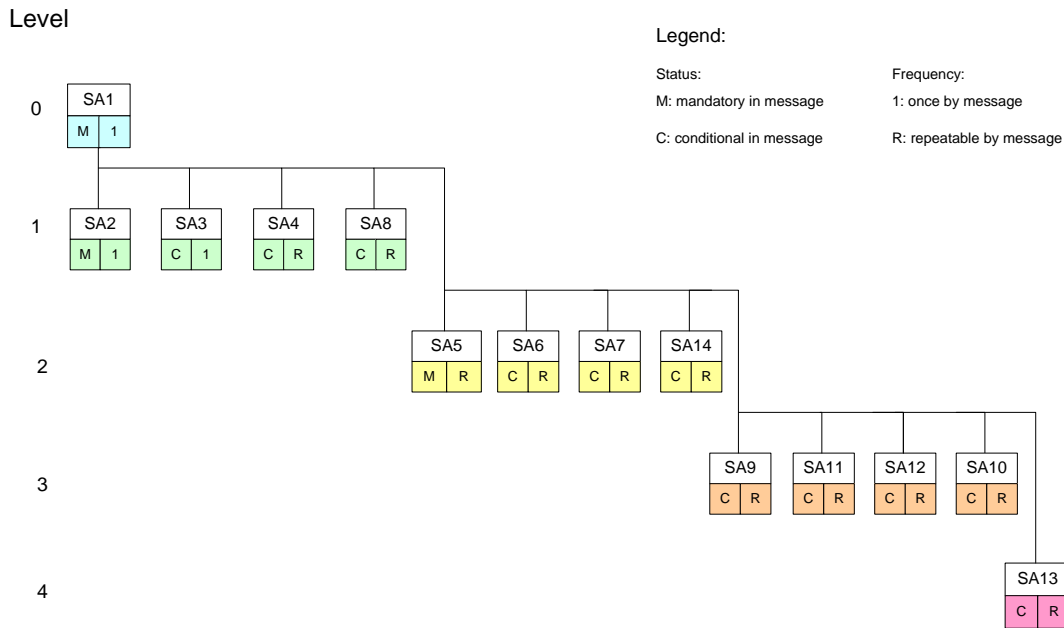
Available types of data records

This section describes the EDI in-house format for the Business Document type Trading Orders (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 Header
SA3	C	Order Header Addresses
SA4	C	Oder header Text
SA8	C	Order Footer Text
SA5	M	Order Line
SA6	C	Order Line Text
SA7	C	Order Line's Delivery Address
SA14	C	Tax Exemption Certificate Text (only outgoing)
SA9	C	Product Variant Structure
SA11	C	Product Variant Text
SA12	C	Product Option Set Text

Branching diagrams

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



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

SA1 ... ERP LN Envelop

SA2 ... Order Header 1

SA3 ... Order Header 1 Addresses

SA4 ... Order Header 1 Text

SA8 ... Order Footer Text

SA5 ... Order Lines Item 11

SA6... Order Line text

SA7 ... Line's Delivery Address

SA5 ... Order Lines Item 12

SA6 ... Order Line text

SA7 ... Line's Delivery Address

SA9 ... Product Variant Structure

SA12 ... Product Option Set Text

SA10 ... Product Variant Option

SA13 ... Variant Option Text

SA1 ... ERP LN Envelop

SA2 ... Order Header 2

SA3 ... Order Header 2 Addresses

SA5 ... Order Lines Item 21

SA6 ... Order Line text

SA9 ... Product Variant Structure

SA10 ... Product Variant Option

SA5 ... Order Lines Item 22

SA6 ... Order Line text

SA7 ... Line's Delivery Address

SA9 ... Product Variant Structure

SA10 ... Product Variant Option

SA11 ... Product Variant Text

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 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	Key 6	Key 7
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.					
SA8	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	
SA9	5	Message ref.	BP net ID	PO no.	PO pos.no	Pos. sequence	
SA11	9	Message ref.	BP net ID	PO no.	PO pos.no	Pos. sequence	
SA12	9	Message ref.	BP net ID	PO no.	PO pos.no	Pos. sequence	Option Set
SA10	9	Message ref.	BP net ID	PO no.	PO pos.no	Pos. sequence	Option Set
SA13	10	Message ref.	BP net ID	PO no.	PO pos.no	Pos. sequence	Option Set Product Feature

Key fields incoming

The incoming 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	Key 6	Key 7
field 1	Backpt.							
SA1		Message ref.	BP net ID					
SA2	1	Message ref.	BP net ID					
SA3	2	Message ref.	BP net ID	SO no.				
SA4	2	Message ref.	BP net ID	SO no.				
SA8	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		
SA9	5	Message ref.	BP net ID	SO no.	SO pos.no	Pos. sequence		
SA11	9	Message ref.	BP net ID	SO no.	SO pos.no	Pos. sequence		
SA12	9	Message ref.	BP net ID	SO no.	SO pos.no	Pos. sequence	Option Set	
SA10	9	Message ref.	BP net ID	SO no.	SO pos.no	Pos. sequence	Option Set	
SA13	10	Message ref.	BP net ID	SO no.	SO pos.no	Pos. sequence	Option Set	Product Feature

Business partner relations

The following table shows the business partner relations:

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

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, “trading order”. 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 trading order, which is being described in this documentation, is defined in the following way:

Direction	File Name	Network Directory
outgoing	ORD001	<code>/\${BSE}/edi/bemis/order/appl_from</code>
incoming	ORD001	<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 alphanumeric data format, as shown in the following examples:

Empty numerical Position: “Sax”; ... ;; ... ;”Sax_END”

Empty alphanumeric 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:

INVOICE 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: 14 Data Segments instead of 6 before
 - Each order level use an separate text data record
- The Order lines include new data records referring to
 - The product variants structure;
the Product Configuration (PCF) is considered referring to tables tipcf500, tipcf510 and tipcf520.
 - Tax Exemption Certificate Text; it is only used in outgoing messages
- The item identification is done by referring to the Alternative Item Code System using the qualifier in ecedi232.code – the default value is “SA”.

Chapter 2 Data Record Description by Type of Data Record

2

SA1 Message Overhead

Status: Mandatory

Frequency: Once by order

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 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	Net ID of Receiver		M	an..17	ecedi028.neta	Conversion (see below)		
5	Message		M	an..6	ecedi001.code	Conversion (see below)	ecedi028.mess	Conversion (see below)
6	Organization		M	an..6	ecedi003.code	Conversion (see below)	ecedi702.orga	Conversion (see below)
7	Order Type		M	an..35	ecedi011.koor	Conversion (see below)	ecedi702.koor	Conversion (see below)
8	Transmission reference		M	an..20	tdpur400.orno		ecedi702.msno	

Data Record Description by Type of Data Record

	Order In-house Format			Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
9	Date / Time of transmission	M	n..8 n..14	current date	ecedi702.sent
10	Transmission Reference old	C	an..20	empty (...;;...)	ecedi702.prno
11	Transmission time	M	n..6	current time	
12	Identifier of Test	C	an1	ecedi003.test	ecedi702.test
13	Data record end sign	M	an7	SA1_END	SA1_END

Detailed description: Order
 Kind of data record: SA1 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. 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 ecedi020. 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, stores it in the ERP LN table field ecedi701.bano and writes it into all data records of an order.				
Processing Incoming EDI Sub-System	The EDI Sub-System generates this number to identify an order and writes it into all data records of an order.				
ERP LN	Mapping to ERP LN table field ecedi702.bano.				

Data Record Description by Type of Data Record

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 (in general 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 ecedi020 'Our Identification' under the corresponding network in the ERP LN table field ecedi020.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 customer.				
Processing Incoming EDI Sub-System					
ERP LN	The identification of the sender determines the corresponding business partner (customer) and the network in the table ecedi028 'Relations by network'. This identification is mapped to the ERP LN table field ecedi702.bpid.				

Position	4	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of Receiver</u>				
Description	This field contains the identification of receiver.				
Processing outgoing EDI Sub-System					
ERP LN	The identification of the receiver (in general the ILN of the receiver) in the used network is entered in the table ecedi028. The ELP LN 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	5	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 'Orders' is ORD001.				
Processing outgoing EDI Sub-System					
ERP LN	The internal message code ecedi001.code 'ORD001' 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 'ORD001'.				
ERP LN	The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this order. 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	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.orga. The corresponding Organization must have been entered into the ERP LN table ecedi003.None				

Data Record Description by Type of Data Record

Position	7	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 ecedi011 there must be an entry for this order type in connection with the respective message and organization. The ERP LN table field ecedi011.koor is mapped to this position. This field is filled with the EDIFACT order types. For example "220" for normal orders. The in-house order type is converted in ecedi433.				
Processing Incoming EDI Sub-System					
ERP LN	Mapping to ERP LN table field ecedi702.koor. In the ERP LN table ecedi200 there must be an entry for this order type in connection with the respective message and organization.				
Position	8	Field Format	an..20	Field Status	M
Field Name	<u>Transmission Reference</u>				
Description	This field contains the reference code which the EDI Sub-System applied to this transmission.				
Processing outgoing EDI Sub-System					
ERP LN	The position will be filled with the purchase order number from ERP LN table field tdpur400.orno				
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field ecedi702.msno. This field should contain the customer purchase order number.				

Position	9	Field Format	n..8 / n..14	Field Status	M
Field Name	<u>Date / Time of Transmission</u>				
Description	This field contains on the outgoing side the current date / time, 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	10	Field Format	an..20	Field Status	C
Field Name	<u>Transmission Reference Old</u>				
Description	This field contains the reference number, which the EDI Sub-System applied to the previous transmission.				
Processing outgoing EDI Sub-System					
ERP LN	Not used				
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field ecedi702.prho.				

Data Record Description by Type of Data Record

Position	11	Field Format	n..6	Field Status	C
Field Name	<u>Transmission Time</u>				
Description	This field contains the transmission time of the message – only on the outgoing side referring to pos. 9.				
Processing outgoing EDI Sub-System					
ERP LN	The position could be filled with the current time.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	12	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	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 Header

Status: Mandatory

Frequency: Once by order

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

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	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	(Customer) Order No.	O/I	M	an..9 an..30	tdpur400.orno		tdsls400.corn	
5	Order date / time		C	n..14	tdpur400.odat		tdsls400.odat	
6	Delivery date / time		C	n..14	tdpur400.ddat	Evaluation Expression ¹ Confirmed Delivery Date	tdsls400.ddat	
7	Confirmed / Planned Receipt Date		C	n..14	tdpur400.ddtc	Evaluation Expression ² Confirmed Delivery Date	tdsls400.prdt	
8	Reference A		C	an..30	tdpur400.refa		tdsls400.refa	
9	Reference B		C	an..20	tdpur400.refb		tdsls400.refb	

¹ CDH = tdpur400.ddtc <> 0

² CDH = tdpur400.ddtc <> 0

Order In-house Format		Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)			
10	Contract	C	an..9	tdpur400.prho	Code and Conversion	tdsls400.prho	Code and Conversion
11	Terms of Delivery	C	an..6	tdpur400.cdec	Code and Conversion	tdsls400.cdec	Code and Conversion
12	Description	C	an..30	tcmcs080.dsca			
13	Carrier	C	an..20	tdpur400.cfrw	Code and Conversion	tdsls400.cfrw	Code and Conversion
14	Description	C	an..30	tcmcs041.dsca			
15	Late Payment Surcharge	C	an..6	tdpur400.ccrs	Code and Conversion	tdsls400.ccrs	Code and Conversion
16	Description	C	an..30	tcmcs011.dsca			
17	Terms of Payment	C	an..6	tdpur400.cpay	Code and Conversion	tdsls400.cpay	Code and Conversion
18	Description	C	an..30	tcmcs013.dsca			
19	Payment Period	C	n2	tcmcs013.pper			
20	Discount Period 1	C	n2	tcmcs013.disa			
21	Discount Percentage 1	C	an..4	tcmcs013.prca			
22	Order Currency	C	an..6	tdpur400.ccur	Code and Conversion	tdsls400.ccur	Code and Conversion
23							
24	Purchase / Sales Price List	C	an..3	tdpur400.cplp		tdsls400.cpls	
25	Area	C	an..3	tdpur400.creg		tdsls400.creg	
26	Line of Business	C	an..6	tdpur400.cbrn		tdsls400.cbrn	
27	Order Discount	C	n..6	tdpur400.odis	NNN.NN	tdsls400.odis	NNN.NN

Data Record Description by Type of Data Record

Order In-house Format			Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
28	Purchase Office / Sold-to BP	C	an..6 an..20	tdpur400.cofc Code and Conversion tdsls400.ofbp Code and Conversion
29	Qualifier Address code	C	an..6	ecedi218 / ZZ ZZ
30	Address/ BP Code	C		empty (...;;...) OFBP
31	Buy-from BP / Sales Office	M	an..20 an..6	tdpur400.otbp Code and Conversion tdsls400.cofc Code and Conversion
32	Qualifier Address code	C	an..6	ecedi218 / ZZ ZZ
33	Address/ BP Code	C	an..6	ecedi224.code / OTBP
34	Ship-from BP / Ship-to-BP	C	an..20 an..6	tdpur400.sfbp Code and Conversion tdsls400.cwar Code and Conversion
35	Qualifier Address code	C	an..6	ecedi218 / ZZ ZZ
36	Address/ BP Code	C	an..6	ecedi224.code / SFBP
37	Invoice-from BP / Invoice-to-BP	C	an..20	tdpur400.ifbp Code and Conversion tdsls400.itbp Code and Conversion
38	Qualifier Address Code	C	an..6	ecedi218.code / ZZ
39	Address/ BP code	C	an..6	ecedi224.code ITBP
40	Pay-to BP / Pay-by BP	C	an..20	tdpur400.ptbp Code and Conversion tdsls400.pfbp Code and Conversion
41	Qualifier Address Code	C	an..6	ecedi218.code / ZZ

Order In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)	
42	Address/ BP code	C	an..6	ecedi224.code	PBBP	
43	Warehouse / Ship-to BP	C	an..6 an..20	tdpur400.cwar	Code and Conversion tdsls400.stbp	Code and Conversion
44	Qualifier Address Code	C	an..6	ecedi218.code / ZZ	ZZ	
45	Address Code WH	C	an..6	ecedi224.code	STBP	
46	Self-Billed Invoice	C	n1	tdpur400.s bim	tdsls400.s bim	
47	Internal Sales Represent	C	an..9		tdsls400.crep	
48	Point of Title passage	C	an..9	tdpur400.ptpa	tdsls400.ptpa	
49	Description	C	an..30	tcmcs042.dsca		
50						
51	Original Doc. No.	C	an..9		tdsls400.odno	
52	Return Reason	C	an..6		tdsls400.retr	
53	Data Record End Sign	O/I	M	an7	SA2_END	SA2_END

Data Record Description by Type of Data Record

Detailed description: Order

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 (in general 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 Number</u>		Key field Out / In		
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 tdpur400.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 tdsls400.corn				

Data Record Description by Type of Data Record

Position	5	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.			
Processing outgoing EDI Sub-System	None			
ERP LN	The purchase order delivery date / time from ERP LN table field tdpur400.odat 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 tdsls400.odat			

Position	6	Field Format an..14	Field Status	C
Field Name	<u>Delivery Date / Time</u>			
Description	This field contains the delivery date / time (YYYYMMDDHHMMSS) of the Purchase Order. On the outgoing side the field is used referring to the confirmed receipt date tdpur400.ddtc or the planned receipt date tdpur400.ddat depending on the evaluation expression CDH.			
Processing outgoing EDI Sub-System	None			
ERP LN	The planned receipt date / time is mapped from ERP LN table field tdpur400.ddtc in case of tdpur400.ddtc <> 0 or other sites from tdpur400.ddat to this position.			
Processing Incoming EDI Sub-System	Transmission of the value from the message file.			
ERP LN	Mapping to ERP LN table field tdsls400.ddat			

Position	7	Field Format	Field Status	C
Field Name		<u>Confirmed / Planned Receipt Date / Time</u>		
Description		This field contains the date / time (YYYYMMDDHHMMSS) of the Planned Receipt Date. On the outgoing side the field is used referring to the confirmed receipt date tdpur401.ddtc or the planned receipt date tdpur400.ddat depending on the evaluation expression CDH.		
Processing outgoing EDI Sub-System		None		
ERP LN		The planned receipt date / time is mapped from ERP LN table field tdpur400.ddtc in case of tdpur400.ddtc <> 0 or other sites from tdpur400.ddat 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.prdt		

Position	8	Field Format	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 tdpur400.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 tdsIs400.refa		

Data Record Description by Type of Data Record

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 tdpur400.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 tdsls400.refb			

Position	10	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 purchase contract number is mapped from ERP LN table tdpur400.prho 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 tdsls400.prho after conversion with ERP LN table ecedi314.			

Position	11	Field Format an..6	Field Status	C
Field Name	<u>Terms of Delivery</u>			
Description	<p>This field contains a code for the Term of Delivery. This field indicates how to frank the shipment. It contains a unique alphanumerical identification.</p> <p>You could use the EDIFACT notification or an own definition. in general CFR = Cost and Freight CIF = Cost, Insurance and Freight DES = Delivered Ex Ship DDU = Delivered Duty Unpaid FCA = Free Carrier</p>			
Processing outgoing EDI Sub-System	None			
ERP LN	The purchase contract number is mapped from ERP LN table tdpur400.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 tdsls400.cdec after conversion with ERP LN table ecedi300.			
Position	12	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				

Data Record Description by Type of Data Record

Position	13	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 purchase order from ERP LN table field tdpur400.cfrw 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 tdsIs400.cfrw and conversion with ERP LN table ecedi318.			

Position	14	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	15	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 tdpur400.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 tdsIs400.ccrs and conversion with ERP LN table ecedi330.			

Position	16	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 tcms011.dsca.			
Processing Incoming EDI Sub-System				
ERP LN				

Data Record Description by Type of Data Record

Position	17	Field Format	Field Status	C
Field Name		an..6		
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 purchase order from ERP LN table field tdpur400.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 tdsls400.cpay and conversion via ERP LN table ecedi326.		
Position	18	Field Format	Field Status	C
		an..30		
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	19	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					

Position	20	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					

Position	21	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				
Position	22	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 purchase order from ERP LN table field tdpur400.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 tdsls400.ccur and conversion with ERP LN table ecedi324.			

Position	24	Field Format	Field Status	C
Field Name		<u>Purchase sales Price List</u>		
Description		This field contains the price list code used for the order. The code has to be agreed upon with the relation.		
Processing outgoing EDI Sub-System		None		
ERP LN		The code for the Purchase Price List from ERP LN table field tdpur400.cplp 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 tdsIs400.cpls.		
Position	25	Field Format	Field Status	C
Field Name		<u>Area</u>		
Description		This field contains the code of the region which groups the buy-from / sold-to-business partners on a geographical basis.		
Processing outgoing EDI Sub-System		None		
ERP LN		The code for the Area from ERP LN table field tdpur400.creg 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 tdsIs400.creg.		

Data Record Description by Type of Data Record

Position	26	Field Format an..6	Field Status	C
Field Name	<u>Line of Business</u>			
Description	This field contains the code of a business sector which groups the buy-from / sold-to-business partners. The Code must be mutual defined with each BP. A conversion is not possible.			
Processing outgoing EDI Sub-System	None			
ERP LN	The code for the Area from ERP LN table field tdpur400.cbrn 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 tdsls400.cbrn.			

Position	27	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 purchase order from ERP LN table field tdpur400.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 tdsls400.odis			

Position	28	Field Format an..20	an..6 /	Field Status	C
Field Name	<u>Purchase Office / Sold-to BP</u>				
Description	The code of the purchase office (Out) or the Sold-to BP (In).				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code for Purchase Office from ERP LN table field tdpur400.cofc is converted using the conversion table ecedi420 and the default qualifier "ZZ" and 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-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 tdsls400.ofbp.				

Position	29	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"				

The Default Qualifier 1 is stored in Pos. 32, 35, 38, 41 and 44 analogously.

Position	30	Field Format	Field Status
		an..6	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	""		
Processing Incoming EDI Sub-System			
ERP LN	Use the code "OFBP" to identify the Sold-to BP.		

Position	31	Field Format	Field Status
		an..20	C
Field Name	<u>Buy-from-BP / Sales Office</u>		
Description	This position contains the code for the Business Partner where the customer buys its goods.		
Processing outgoing EDI Sub-System	None		
ERP LN	The Code for the Buy From Business Partner from ERP LN table field tdpur400.otbp 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 customer's Sales Office has to convert using the Address Code ID = "ZZ", and it has to map to the EREP LN table field tdsIs400.cofc.		

Position	33	Field Format an..6	Field Status	C
Field Name	<u>Address / BP Code</u>			
Description	This position contains the standard qualifier 2 for the Buy-from / Sold-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 "BFBP".			
Processing Incoming EDI Sub-System				
ERP LN				

Position	34	Field Format an..20	Field Status	C
Field Name	<u>Ship-from-BP / Warehouse</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 Ship From Business Partner from ERP LN table field tdpur400.sfbp 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 tdsIs400.cwar.			

Position	36	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 / Ship-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 "SFBP".			
Processing Incoming EDI Sub-System				
ERP LN				

Position	37	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 tdpur400.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 tdsls400.itbp.			

Position	39	Field Format	Field Status	C
Field Name		<u>Address / BP Code</u>		
Description		This position contains the standard qualifier 2 for the Invoice-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 "IFBP".		
Processing Incoming EDI Sub-System				
ERP LN		Use the code "ITBP" to identify the Invoice-to BP.		
Position	40	Field Format	Field Status	C
Field Name		<u>Pay-to BP / 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 To Business Partner from ERP LN table field tdpur400.ptbp 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		Mapping to the ERP LN table field tdsIs400.pbbp using the conversion table ecedi363 and Address Code ID given in ecedi224.		

Data Record Description by Type of Data Record

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 Pay-to / 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 "PTBP".			
Processing Incoming EDI Sub-System				
ERP LN	Use the code "PBBP" to identify the Pay-by BP.			
Position	43	Field Format an..20	Field Status	C
Field Name	<u>Warehouse / Ship-to BP</u>			
Description	This position contains the code of the Receipt Warehouse of the message sender.			
Processing outgoing EDI Sub-System	None			
ERP LN	The Code for the Warehouse from ERP LN table field tdpur400.cwar 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 Ship-to 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 tdsls400.STBP.			

Position	45	Field Format		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 "STBP" to identify the Ship-to BP.			
Position	46	Field Format	n1	Field Status	C
Field Name		<u>Self-Billed Invoice</u>			
Description		This qualifier is used to show whether self billed Invoicing is used or not. Used codes: "0" means empty position "1" means yes "2" means no			
Processing outgoing EDI Sub-System		None			
ERP LN		The Code for Self Billed Invoicing from ERP LN table field tdpur400.sbim 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 tdsIs400.sbim.			

Data Record Description by Type of Data Record

Position	47	Field Format	Field Status	C
Field Name	<u>Internal Sales Represent</u>			
Description				
Processing outgoing EDI Sub-System	None			
ERP LN	The ERP LN table field tdpur400.crep 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 tdsls400.crep.			
Position	48	Field Format	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 tdpur400.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 tdsls400.ptpa.			

Position	49	Field Format	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	51	Field Format	Field Status	C
Field Name		<u>Original Document Number</u>		
Description		The field contains the Original Document number of the sales order.		
Processing outgoing EDI Sub-System				
ERP LN		None		
Processing Incoming EDI Sub-System				
ERP LN		Mapping to the EREP LN table field tdsIs400.odno.		

Data Record Description by Type of Data Record

Position	52	Field Format	an..6	Field Status	C
Field Name	<u>Return Reason</u>				
Description	The field contains the Reason Code why the delivered goods are rejected and sent back to the buy-from business partner.				
Processing outgoing EDI Sub-System					
ERP LN	None				
Processing Incoming EDI Sub-System					
ERP LN	Mapping to the EREP LN table field tdsIs400.retr.				
Position	53	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 Specific Addresses

Status: Conditional

Frequency: Multiple by order number

Description: This data record contains the specific addresses of the order header and is related data record 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	SA3		SA3	
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	tdpur400.orno		tdsls400.corn	
5	Address Qualifier		M	an..6	ecedi224.code	Conversion	ecedi224.code	Conversion
6	Country		C	an..3	tccom130.ccty	Code and conversion	tccom130.ccty	Code and conversion
7	Name		C	an..35	tccom130.nama		tccom130.nama	
8	Name 2		C	an..35	tccom130.namb		tccom130.namb	
9	Address		C	an..30	tccom130.namc		tccom130.namc	
10	Address 2		C	an..30	tccom130.namd		tccom130.namd	
11								
12	City 2		C	an..30	tccom130.namf		tccom130.namf	
13	ZIP / Postal Code		C	an..10	tccom130.pstc		tccom130.pstc	
14	State / Province		C	an..2	tccom130.cste		tccom130.cste	
15	Telephone		C	an..32	tccom130.telp		tccom130.telp	

Data Record Description by Type of Data Record

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

Detailed description:

Invoice

Kind of data record:

SA3 Invoice Header Specific Addresses

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 '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	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 (in general 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..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		None			
ERP LN		The purchase order number is mapped from ERP LN table field tdpur400.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 tds400.corn			

Appearances referring to the BP's role

Position	5	Field Format an..14	Field Status	C
Field Name	<u>Address Qualifier (BP)</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>In general SFBP = The following data is the Ship From Address STBP = The following data is the Ship to (delivery) 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 "SFBP".			
Processing Incoming EDI Sub-System	The value "STBP" is filled in this position.			
ERP LN	Mapping to ERP LN table field tdsIs400.stad and conversion with table ecedi224.			

An Appearance referring to the Warehouse

Position	5	Field Format an..14	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 or a ship to 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			

Position	5	Field Format an..14	Field Status	C
Field Name	<u>Address Qualifier (WH)</u>			
ERP LN	The field is filled in from ERP LN table field ecedi224.code; the default value is "CWAR".			
Processing Incoming EDI Sub-System	The value "CWAR" is filled in this position.			
ERP LN	Mapping to ERP LN table field tdsIs400.stad and conversion with table ecedi224			

Position	6	Field Format an..3	Field Status	C
Field Name	<u>Country</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 tccom130.ccty is mapped to this position and converts 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 tccom130.ccty and conversion with ERP LN table ecedi302.			

Position	7	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	Transmission of the value from the message file.			

Data Record Description by Type of Data Record

Position	7	Field Format an..35	Field Status	C
Field Name	<u>Name</u>			
ERP LN	Mapping to the ERP LN table field tccom130.nama			

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.			
Processing Incoming EDI Sub-System	Transmission of the value from the message file.			
ERP LN	Mapping to the ERP LN table field tccom130.namb			

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 tccom130.namc 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 tccom130.namc			

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			

Position	10	Field Format	Field Status	C
		an..30		
Field Name		<u>Address 2</u>		
ERP LN		The second part of the Address from ERP LN table field tccom130.namd 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 tccom130.namd		
Position	12	Field Format	Field Status	C
		an..30		
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 tccom130.namf 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 tccom130.namf		
Position	13	Field Format	Field Status	C
		an..10		
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 tccom130.pstc 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 tccom130.pstc		

Data Record Description by Type of Data Record

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 tcom130.cstc 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 tcom130.cstc			

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 tcom130.telc 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 tcom130.telc			

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 tcom130.telx 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 tcom130.telx			

Position	17	Field Format an..32	Field Status	C
Field Name	<u>Fax</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	Transmission of the value from the message file.			
ERP LN	Mapping to the ERP LN table field tccom130.tefx			

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.			
Processing Incoming EDI Sub-System	Transmission of the value from the message file.			
ERP LN	Mapping to the ERP LN table field tccom130.geoc			

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 tccom130.hono is mapped to this position.			
Processing Incoming EDI Sub-System	Transmission of the value from the message file.			

Data Record Description by Type of Data Record

Position	19	Field Format	Field Status	C
		an..10		
Field Name	<u>House Number</u>			
ERP LN	Mapping to the ERP LN table field tccom130.hono			

Position	20	Field Format	Field Status	C
		an..10		
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	Transmission of the value from the message file.			
ERP LN	Mapping to the ERP LN table field tccom130.pobn			

Position	22	Field Format	Field Status	C
		an..30		
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	Transmission of the value from the message file.			
ERP LN	Mapping to the ERP LN table field tccom130.dsca			

Position	23	Field Format	Field Status	C
		an..8		
Field Name	<u>City Code</u>			
Description	This field contains the Code of the City			
Processing outgoing EDI Sub-System	None			

Position	23	Field Format	an..8	Field Status	C
Field Name	<u>City Code</u>				
ERP LN	The Code from ERP LN table field tccom130.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 tccom130.ccit				

Position	24	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	This field will be filled with the constant value 'SA3_END'.				
ERP LN	None				

SA4 Order Header Text – Text Data

Status: Conditional

Frequency: Once by order

Description: This data record contains the text information of the Order header and 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	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..9 an..30	tdpur400.orno		tdsls400.corn	
5	Header text 1		C	an..80	tdpur400.txta		tdsls400.txta	
6	Header text 2		C	an..80	tdpur400.txtb		tdsls400.txtb	
7	Data Record End Sign	O/I	M	an7	SA4_END		SA4_END	

Detailed description: Order
 Kind of data record: SA4 Order 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				

Data Record Description by Type of Data Record

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 (in general 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>		Key field	
Description		This field contains a free text with a maximum of 80 characters.			
Processing outgoing EDI Sub-System					
ERP LN		Mapping of ERP LN table field tdpur400.txta to position.			
Processing Incoming EDI Sub-System		Transmission of the value from the transmission file.			
ERP LN		Mapping to ERP LN table field tds400.txta			

Position	6	Field Format	Field Status	C
Field Name		<u>Order Header Text 2</u>	Key field	
Description		This field contains a free text with a maximum of 80 characters.		
Processing outgoing EDI Sub-System				
ERP LN		Mapping of ERP LN table field tdpur400.txtb to position.		
Processing Incoming EDI Sub-System		Transmission of the value from the transmission file.		
ERP LN		Mapping to ERP LN table field tdsls400.txtb		
Position	7	Field Format	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		

SA8 Order Footer Text – Text Data

Status: Conditional

Frequency: Once by order

Description: This data record contains the text information of the Order footer and 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	SA8		SA8	
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	tdpur400.orno		tdsls400.corn	
5	Footer text 1		C	an..80	tdpur400.txtb		tdsls400.txtb	
6	Footer text 2		C	an..80	tdpur400.txtb		tdsls400.txtb	
7	Data Record End Sign	O/I	M	an7	SA8_END		SA8_END	

Detailed description: Order

Kind of data record: SA8 Order Footer 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 'SA8'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA8'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA8'.				
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				

Data Record Description by Type of Data Record

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 (in general 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 Footer 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 tdpur400.txtb to position.			
Processing Incoming EDI Sub-System		Transmission of the value from the transmission file.			
ERP LN		Mapping to ERP LN table field tdsls400.txtb			

Position	6	Field Format	Field Status
		an..80	C
Field Name		<u>Order Footer 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 tdpur400.txtb to position.	
Processing Incoming EDI Sub-System		Transmission of the value from the transmission file.	
ERP LN		Mapping to ERP LN table field tdsls400.txtb	

Position	7	Field Format	Field Status
		an7	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 'SA8_END'.	
Processing outgoing EDI Sub-System			
ERP LN		This field will be filled with the constant value 'SA8_END'.	
Processing Incoming EDI Sub-System		This field will be filled with the constant value 'SA8_END'.	
ERP LN		None	

SA5 Order Line

Status: Mandatory

Frequency: Multiple by order number

Description: This data records contain information about the ordered items; and 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		tdsls400.corn	
5	Order Position Number		M	n..5 an..16	tdpur401.pono		tdsls401.corp	
6	Customer Order Sequence		M	n..5 an..11	tdpur401.sqnb		tdsls401.cors	
7	Project		C	an..9	tdpur401.cprj		tdsls401.cprj	
8	Qualifier Item Code		M	an..6				
9	Buyer's Item Code or EAN Item Code		C	an..47	tdpur401.item	Conversion	tdsls401.item	Conversion
10	Supplier's Item Code		C	an..47	tdpur401.item	Conversion		
11	Description of the Item		C	an..30	tcibd001.dsca			
12	Ordered Quantity		C	n..15	tdpur401.qoor		tdsls401.qoor	

Order In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
13	Order Date	C n..14	tdpur401.odat		tdsls401.odat	
14	Planned Delivery Date	C n..14	tdpur401.ddtb		tdsls401.ddta	
15	Planned / Confirmed Receipt Date	C n..14	tdpur401.ddtb / tdpur401.ddtc	Evaluation expression ³ Confirmed Delivery Date	tdsls401.prdt	
16	Purchase / Sales Unit	C an..3	tdpur401.cuqp	Code and Conversion	tdsls401.cuqs	Code and Conversion
17	Price	C n..19	tdpur401.pric		tdsls401.pric	
18	Purchase / Sales Price Unit	C an..3	tdpur401.cupp	Code and Conversion	tdsls401.cups	Code and Conversion
19	Order Line Discount Percentage 1	C n..6	tdpur401.disc(1)		tdsls401.disc(1)	
20	Order Line Discount Percentage 2	C n..6	tdpur401.disc(2)		tdsls401.disc(2)	
21	Order Line Discount Percentage 3	C n..6	tdpur401.disc(3)		tdsls401.disc(3)	
22	Order Line Discount Percentage 4	C n..6	tdpur401.disc(4)		tdsls401.disc(4)	
23	Order Line Discount Percentage 5	C n..6	tdpur401.disc(5)		tdsls401.disc(5)	

³ CDL = tdpur401.ddtc <> 0

Data Record Description by Type of Data Record

Order In-house Format			Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)	
24	Tax Code	C an..10	tdpur401.cvat	Code- and Conversion tdsls401.cvat	Code and Conversion
25	Qualifier Tax Code	M an..3	"ZZ"	"ZZ"	
26	Discount Code 1	C an..20	tdpur401.cdis(1)	Code- and Conversion tdsls401.cdis(1)	Code- and Conversion
27	Discount Code 2	C an..20	tdpur401.cdis(2)	Code- and Conversion tdsls401.cdis(2)	Code- and Conversion
28	Discount Code 3	C an..20	tdpur401.cdis(3)	Code- and Conversion tdsls401.cdis(3)	Code- and Conversion
29	Discount Code 4	C an..20	tdpur401.cdis(4)	Code- and Conversion tdsls401.cdis(4)	Code- and Conversion
30	Discount Code 5	C an..20	tdpur401.cdis(5)	Code- and Conversion tdsls401.cdis(5)	Code- and Conversion
31	Discount Method 1	C an..20	tdpur401.dmth(1)	Code and Conversion tdsls401.dmth(1)	Code- and Conversion
32	Discount Method 2	C an..20	tdpur401.dmth(2)	Code and Conversion tdsls401.dmth(2)	Code- and Conversion
33	Discount Method 3	C an..20	tdpur401.dmth(3)	Code and Conversion tdsls401.dmth(3)	Code- and Conversion
34	Discount Method 4	C an..20	tdpur401.dmth(4)	Code and Conversion tdsls401.dmth(4)	Code- and Conversion
35	Discount Method 5	C an..20	tdpur401.dmth(5)	Code and Conversion tdsls401.dmth(5)	Code- and Conversion
36	Discount Amount 1	C n..15	tdpur401.ldam(1)	tdsls401.ldam(1)	
37	Discount Amount 2	C n..15	tdpur401.ldam(2)	tdsls401.ldam(2)	
38	Discount Amount 3	C n..15	tdpur401.ldam(3)	tdsls401.ldam(3)	
39	Discount Amount 4	C n..15	tdpur401.ldam(4)	tdsls401.ldam(4)	
40	Discount Amount 5	C n..15	tdpur401.ldam(5)	tdsls401.ldam(5)	
41	Lot Selection	C an..20	tdpur401.lsel	Code and Conversion tdsls401.lsel	Code and Conversion

Order In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
42	Lot	C an..20	tdpur401.clot		tdsls401.clot	Conversion
43	Qualifier Lot	C an..6			empty	
44	Business Partner's Lot	C an..30	whltc100.ltbp			
45	Qualifier Business Partner's Lot	C an..6				
46	Length of the Item	C n..8	tdpur401.leng		tdsls401.leng	
47	Width of the item	C n..8	tdpur401.widt		tdsls401.widt	
48	Height of the Item	C n..8	tdpur401.thic		tdsls401.thic	
49						
50						
51						
52	Ship-from BP / Warehouse	M an..20	tdpur401.sfbp	Conversion	tdsls401.cwar	Conversion
53	Qualifier Address Code	M an..6	ecedi218.code / ZZ		ZZ	
54	Address/BP Code	C an..6	ecedi224.code / SFBP			
55	Warehouse / Ship-to BP	M an..20	tdpur401.cwar	Conversion	tdsls401.stbp	Conversion
56	Qualifier Address Code	M an..6	ecedi218.code / ZZ		ZZ	
57	Address/BP Code	C an..6	CWAR		STBP	
58	Forwarding Agent / Carrier	C an..20	tdpur401.cfrw	Code and Conversion	tdsls401.cfrw	Code and Conversion

Data Record Description by Type of Data Record

Order In-house Format		Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
59	Product Variant ID Description	C	tipcf500.dsca		tipcf500.dsca
60	Exempt Certificate	C	an..20 tdpur401.ceno		tdsls401.ceno
61					
62					
63	Product Variant ID	C	tdpur401.cpva		tdsls401.cpva
64					
65	Effectivity Unit	C	tdpur401.effn		tdsls401.effn
66					
67					
68					
69					
70					
71	Original Document Number	C	tdpur402.odno		tdsls402.odno
72	Position	C	tdpur402.retp		tdsls402.retp
73	Sequence Number	C	tdpur402.rets		tdsls402.rets
74					
75	Terms of Delivery	C	an..6 tdpur401.cdec	Code and Conversion	tdsls401.cdec Code and Conversion
76	Description Terms of Delivery	C	an..30 tcmcs041.dsca		
77	Point of Title Passage	C	an..12 tdpur401.ptpa	Code and Conversion	tdsls401.ptpa Code and Conversion
78	Description Point of Title Passage	C	an..50 tcmcs042.dsca		

Order In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)		
79	Exempt	C		tdpur401.exmt		tdsls401.exmt	
80	Tax Country	C	an..6	tdpur401.ccty	Code and Conversion	tdsls401.ccty	Code and Conversion
81							
82	BP Tax Country	C	an..6	tdpur401.bptc	Code and Conversion	tdsls401.bptc	Code and Conversion
83	Exempt Reason	C	an..6	tdpur401.rcod	Code and Conversion	tdsls401.rcod	Code and Conversion
84							
85	Manufacturer	C	an..6	tdpur401.cmnf			
86	Preferred Manufacturer	C	an..35	tdpur401.mpnr			
87							
88							
89							
90	Data record end sign	M	an..7	SA5_END		SA5_END	

Data Record Description by Type of Data Record

Detailed description: Order Lines

Kind of data record: SA5 Order 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 (in general 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..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		None			
ERP LN		The purchase order number is mapped from ERP LN table field tdpur400.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 tdsIs400.corn			

Data Record Description by Type of Data Record

Position	5	Field Format	Field Status	M
Field Name	<u>Order Position Number</u>			
Description	This field contains the Order Position Number.			
Processing outgoing EDI Sub-System	None			
ERP LN	The purchase order line's number from ERP LN table field Ftdpur401.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 tdsIs401.corp			

Position	6	Field Format	n..5	Field Status	M
Field Name	<u>Customer Order Sequence</u>				
Description	This field contains the Customer Order Sequence.				
Processing outgoing EDI Sub-System	None				
ERP LN	The purchase order line's sequence number from ERP LN table field tdpur401.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 tdsIs401.cors				

Position	7	Field Format	an..9	Field Status	C
Field Name	<u>Project</u>				
Description	This field contains the Project.				
Processing outgoing EDI Sub-System	None				
ERP LN	The project from ERP LN table field tdpur401.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 tdsIs401.cprj				

Position	8	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Item Code</u>				
Description	This field contains the qualifier for the item code. The constant value 'SA' indicates, that the supplier item codes are used. 'EAN' means that the EAN Code is used.				
Processing outgoing EDI Sub-System	None				
ERP LN	This field will be filled with the used table field ecedi232.code or the constant default value 'SA' or 'EAN'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA' or 'EAN', if the supplier item code or the EAN Code is used.				
ERP LN	Used as qualifier for the conversion of the item code.				

Position	9	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 tdpu401.item is mapped to this position. If the buyer wants so 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.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tds1s401.item after conversion of the given qualifier.				

Data Record Description by Type of Data Record

Position	10	Field Format	an..47	Field Status	C
Field Name	<u>Supplier's Item Code</u>				
Description	This field contains the Supplier item code.				
Processing outgoing EDI Sub-System					
ERP LN	The supplier item code from ERP LN table field tdpu401.item is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	None				

Position	11	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	Transmission of the value from the message file.				
ERP LN	None				

Position	12	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 tdpu401.quor 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 tdsIs401.item after conversion of the given qualifier.				

Position	13	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 purchase order line from ERP LN table field tdpu401.odat 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 tdsls401.odat.				

Position	14	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 tdpu401.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 tdsls401.ddta.				

Data Record Description by Type of Data Record

Position	15	Field Format	n..14	Field Status	C
Field Name	<u>Planned Receipt Date / Time</u>				
Description	This field contains the planned receipt date/time. On the outgoing side the field is used referring to the confirmed receipt date tdpur401.ddtc or the planned receipt date tdpur401.ddtb depending on the evaluation expression.				
Processing outgoing EDI Sub-System					
ERP LN	The receipt date of the purchase order line is mapped from ERP LN table field tdpur401.ddtc in case of tdpur401.ddtc <>0 or other sites from tdpur401.ddtb 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 tdsls401.prdt.				

Position	16	Field Format	an..3	Field Status	C
Field Name	<u>Purchase / Sales Unit</u>				
Description	This field contains the purchase/sales unit of the item.				
Processing outgoing EDI Sub-System					
ERP LN	The purchase unit from ERP LN table field tdpu401.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 tdsls401.cuqs and conversion with ERP LN 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 referring to the given price unit.				
Processing outgoing EDI Sub-System					
ERP LN	The price from ERP LN table field tdpu401.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 tdsIs401.pric.				

Position	18	Field Format	an..3	Field Status	C
Field Name	<u>Purchase/Sales Price Unit</u>				
Description	This field contains the purchase/sales unit the price refers to.				
Processing outgoing EDI Sub-System					
ERP LN	The purchase price unit from ERP LN table field tdpu401.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 tdsIs40.cups and conversion with ERP LN table ecedi304 is possible.				

Data Record Description by Type of Data Record

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 referring to 5 levels.				
Processing outgoing EDI Sub-System					
ERP LN	The percentages of the order line discounts from ERP LN table fields tdpu401.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 tdsIs401.disc (1..5).				
Position	24	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 tdpu401.cvat is mapped to this position and converted with ERP LN table ecedi446.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdsIs401.cvat and conversion with ERP LN table ecedi308 is possible.				

Position	25	Field Format	an..3	Field Status	C
Field Name	<u>Qualifier Tax Code</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	Transmission of the value from the message file.				
ERP LN	Qualifier for the conversion of the tax code; in general "ZZ" is used.				

Positions	26..30	Field Format	an..20	Field Status	C
Field Name	<u>Discount Code</u>				
Description	These fields contain the code of the discount's grant referring to 5 levels.				
Processing outgoing EDI Sub-System					
ERP LN	The codes for the discounts from ERP LN table fields tdpur401.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 tdsIs401.cdis (1..5) and conversion using ERP LN table ecedi332.				

Data Record Description by Type of Data Record

Positions	31..36	Field Format	an..20	Field Status	C
Field Name	<u>Discount Method</u>				
Description	These fields contain the discount methods.				
Processing outgoing EDI Sub-System					
ERP LN	The methods for the discounts from ERP LN table fields tdpu401.dmth (1..5) are mapped to these positions and converted using ERP LN table ecedi475.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table fields tdsIs401.dmth (1..5) and conversion using ERP LN table ecedi333.				
Positions	37..40	Field Format	n..15	Field Status	C
Field Name	<u>Discount Amount</u>				
Description	These fields contain the amount of the order line discount.				
Processing outgoing EDI Sub-System					
ERP LN	The amounts of the discounts from ERP LN table fields tdpu401.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 tdsIs401.ldam(1..5)				

Position	41	Field Format	an..20	Field Status	C
Field Name	<u>Lot Selection Code</u>				
Description	This field contains the lot selection code.				
Processing outgoing EDI Sub-System					
ERP LN	The lot selection from ERP LN table field tdpu401.lsel is mapped to this position and converted using ERP LN table ecedi476.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdsls401.lsel and conversion using ERP LN table ecedi334.				

Position	42	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 tdpur401.clot is mapped to this position after conversion by ERP LN table ecedi477 using the qualifier of field 43.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdsls401.clot after conversion by ERP LN table ecedi335 using the qualifier of field 43.				

Position	43	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Lot</u>				
Description	This field contains the lot identification code related to the BP. This qualifier defines if the code in message is the internal code or the BP code.				
Processing outgoing EDI Sub-System					
ERP LN					

Data Record Description by Type of Data Record

Position	43	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Lot</u>				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN					

Position	44	Field Format	an..30	Field Status	C
Field Name	<u>Business Partner's Lot</u>				
Description	This field contains the lot from the Business Partner.				
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdsIs401.Isel and conversion using ERP LN table ecedi334.				

Position	45	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					
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN					

Position	46	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.				

Position	46	Field Format	an..20	Field Status	C
Field Name	<u>Length</u>				
Processing outgoing EDI Sub-System					
ERP LN	The length from ERP LN table field tdpu401.leng is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdsIs401.leng.				

Position	47	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 tdpu401.widt is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdsIs401.widt.				

Position	48	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 tdpu401.thic is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdsIs401.thic.				

Data Record Description by Type of Data Record

Position	52	Field Format an..20	Field Status	C
Field Name	<u>Ship-from-BP / Warehouse</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 Ship From Business Partner from ERP LN table field tdpur401.sfbp 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 tds401.cwar.			

Position	53	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	54	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 or customer'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 "SFBP".			
Processing Incoming EDI Sub-System				
ERP LN				

Position	55	Field Format an..20	Field Status	C
Field Name	<u>Warehouse / Ship-to BP</u>		Key field	
Description	This position contains the code of the Receipt Warehouse of the message sender.			
Processing outgoing EDI Sub-System	None			
ERP LN	The Code for the Warehouse from ERP LN table field tdpur401.cwar 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 Ship-to 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 tdsIs401.STBP.			

Data Record Description by Type of Data Record

Position	56	Field Format	Field Status
		an..6	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-to warehouse and ship-to address.		
Processing outgoing EDI Sub-System	None		
ERP LN	"ZZ"		
Processing Incoming EDI Sub-System			
ERP LN	"ZZ"		

Position	57	Field Format	Field Status
		an..6	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 "STBP" to identify the Ship-to BP.		

Position	58	Field Format	Field Status
		an..20	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 tdp401.cfrw is mapped to this position and converted using ERP LN table ecedi456.		

Position	58	Field Format	an..20	Field Status	C
Field Name	<u>Forwarding Agent</u>				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tdsIs401.cfrw and conversion using ERP LN table ecedi318.				

Position	59	Field Format		Field Status	C
Field Name	<u>Product Variant ID Description</u>				
Description	This field contains the description of the product variant ID.				
Processing outgoing EDI Sub-System					
ERP LN	The description of the product variant ID from ERP LN table field tipcf500.dsca 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 tipcf500.dsca.				

Position	60	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 tdpur401.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 tdsIs401.ceno.				

Position	63	Field Format	n..10	Field Status	C
Field Name	<u>Product Variant ID</u>				
Description	This field contains the product variant ID.				
Processing outgoing EDI Sub-System					
ERP LN	The product variant ID from ERP LN table field tdpur401.cpva 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 tdsls401.cpva.				

Position	65	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 tdpur401.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 tdsls401.effn.				

Position	71	Field Format	n..10	Position	71
Field Name	<u>Original Document Number</u>		Field Name		
Description	This field contains the original document number for the related return order.				
Processing outgoing EDI Sub-System					
ERP LN	The original document number from ERP LN table field tdpur401.odno 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 tdsls401.odno.				

Position	72	Field Format	n..10	Field Status	C
Field Name	<u>Position</u>				
Description	This field contains the position of the original document number.				
Processing outgoing EDI Sub-System					
ERP LN	The position of the original document number from ERP LN table field tdpur401.retp 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 tdsls401.retp.				
Position	73	Field Format	n..10	Field Status	C
Field Name	<u>Sequence</u>				
Description	This field contains the position's sequence of the original document.				
Processing outgoing EDI Sub-System					
ERP LN	The sequence of the original document number from ERP LN table field tdpur401.rets 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 tdsls401.rets.				
Position	75	Field Format		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 tdpur401.cdec to this position after conversion with ERP LN table ecedi430.				

Data Record Description by Type of Data Record

Position	75	Field Format	Field Status	C
		an..6		
Field Name		<u>Terms of Delivery</u>		
Processing Incoming EDI Sub-System		Transmission of the value from the message file.		
ERP LN		Mapping to the ERP LN table field tdsls401.cdec after conversion with ERP LN table ecedi300.		

Position	76	Field Format	Field Status	C
		an..30		
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	77	Field Format	Field Status	C
		an..12		
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 tdpur401.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	78	Field Format		Field Status	C
Field Name		Description (Point of Title Passage)			
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	79	Field Format	n..10	Field Status	C
Field Name		Exempt			
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 tdpur401.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 tdsls401.exmt.			

Data Record Description by Type of Data Record

Position	80	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 tdpur401.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 tdsIs401.ccty after conversion with ERP LN table ecedi302.			

Position	82	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 tdpur401.bptc 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 tdsIs401.bptc after conversion with ERP LN table ecedi302.			

Position	83	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 tdpur401.rcod to this position after conversion with ERP LN table ecedi353.			
Processing Incoming EDI Sub-System	Transmission of the value from the message file.			
ERP LN	Mapping to the ERP LN table field tdsls401.rdoc after conversion with ERP LN table ecedi495.			
Position	85	Field Format an..6	Field Status	C
Field Name	<u>Manufacturer)</u>			
Description	A supplier of finished goods.			
Processing outgoing EDI Sub-System	None			
ERP LN	The code for the manufacturer from the ERP LN Table field tdpur401.cmnf is mapped to this position.			
Processing Incoming EDI Sub-System				
ERP LN				

Data Record Description by Type of Data Record

Position	86	Field Format	an..35	Field Status	C
Field Name	<u>Preferred Manufacturer Part Number</u>				
Description	The preferred manufacturer part number for the item.				
Processing outgoing EDI Sub-System	None				
ERP LN	The code for the preferred manufacturer part number from the ERP LN Table field tdpur401.mpnr is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					
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	This field will be filled with the constant value 'SA5_END'.				
ERP LN	None				

SA6 Order Line Text – Text Data

Status: Conditional

Frequency: Once by order

Description: This data record contains the text information of the Order line and is related to SA5.

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	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	tdpur400.orno		tdsls400.corn	
5	Order Position Number	O/I	M	n..5 an..16	tdpur401.pono		tdsls401.corp	
6	Customer Order Sequence	O/I	M	n..5 an..11	tdpur401.sqnb		tdsls401.cors	
7	Free text 1		C	an..80	tdpur401.txta		tdsls401.txta	
8	Free text 2		C	an..80	tdpur401.txta		tdsls401.txta	
9	Data Record End Sign	O/I	M	an7	SA6_END		SA6_END	

Data Record Description by Type of Data Record

Detailed description: Order
 Kind of data record: SA6 Order 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	Field Status	C
Field Name		an..80		
Field Name		<u>Line 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 tdpur401.txta to position.		
Processing Incoming EDI Sub-System		Transmission of the value from the transmission file.		
ERP LN		Mapping to ERP LN table field tdsls401.txta		

Position	8	Field Format	Field Status	C
Field Name		an..80		
Field Name		<u>Line 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 tdpur401.txta to position.		
Processing Incoming EDI Sub-System		Transmission of the value from the transmission file.		
ERP LN		Mapping to ERP LN table field tdsls401.txta		

Position	9	Field Format	Field Status	M
Field Name		an7		
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 Line's Specific Delivery Address

Status: Conditional

Frequency: Once by order line

Description: This data record contains the delivery address referring to the Order line; and it is related to SA5.

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	SA7		SA7	
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	tdpur400.orno		tdsls400.corn	
5	Order Position Number	O/I	M	n..5 an..16	tdpur401.pono		tdsls401.corp	
6	Customer Order Sequence	O/I	M	n..5 an..11	tdpur401.sqnb		tdsls401.cors	
7	Address Qualifier		M	an..6	ecedi224.code	Conversion	ecedi224.code	Conversion
8	Country		C	an..3	tccom130.ccty	Code and conversion	tccom130.ccty	Code and conversion
9	Name		C	an..35	tccom130.nama		tccom130.nama	
10	Name 2		C	an..35	tccom130.namb		tccom130.namb	
11	Address		C	an..30	tccom130.namc		tccom130.namc	
12	Address 2		C	an..30	tccom130.namd		tccom130.namd	
13								
14	City 2		C	an..30	tccom130.namf		tccom130.namf	

Order In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
15	ZIP / Postal Code	C	an..10	tccom130.pstc	tccom130.pstc
16	State / Province	C	an..2	tccom130.cste	tccom130.cste
17	Telephone	C	an..32	tccom130.telp	tccom130.telp
18	Telex	C	an..15	tccom130.telx	tccom130.telx
19	Fax	C	an..32	tccom130.tefx	tccom130.tefx
20	GEO Code	C	an..10	tccom130.geoc	tccom130.geoc
21	House number	C	an..10	tccom130.hono	tccom130.hono
22	P.O. Box Number	C	an..10	tccom130.pobn	tccom130.pobn
23					
24	City Description	C	an..30	tccom130.dsca	tccom130.dsca
25	City Code	C	an..8	tccom130.ccit	tccom130.ccit
26	Data Record End Sign	O/I	M an7	SA7_END	SA7_END

Data Record Description by Type of Data Record

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

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

Position	7	Field Format	an..6	Field Status	C
Field Name	<u>Address Qualifier</u>				
Description	<p>This field contains the Qualifier which identifies the next data set as an address referring to the Ship-From / Ship-to Business partner.</p> <p>SFBP = The following data is the Ship From Address STBP = The following data is the Ship to (delivery) 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 "SFBP".				
Processing Incoming EDI Sub-System	The value "STBP" is filled in this position.				
ERP LN	Mapping to ERP LN table field tdsIs400.stad and conversion with table ecedi224.				

Position	8	Field Format	an..3	Field Status	C
Field Name	<u>Country</u>				
Description	<p>This field contains the Country of the Address.</p> <p>The country codes are defined in ERP LN table ecedi226.</p>				
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 ecedi440.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tccom130.ccty and conversion with ERP LN table ecedi302.				

Data Record Description by Type of Data Record

Position	9	Field Format	Field Status	C
Field Name		an..35		
Name				
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		Transmission of the value from the message file.		
ERP LN		Mapping to the ERP LN table field tccom130.nama		

Position	10	Field Format	Field Status	C
Field Name		an..30		
Name 2				
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		Transmission of the value from the message file.		
ERP LN		Mapping to the ERP LN table field tccom130.namb		

Position	11	Field Format	Field Status	C
Field Name		an..14		
Address				
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		Transmission of the value from the message file.		
ERP LN		Mapping to the ERP LN table field tccom130.namc		

Position	12	Field Format	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 tccom130.namd 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 tccom130.namd		
Position	14	Field Format	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 tccom130.namf 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 tccom130.namf		

Data Record Description by Type of Data Record

Position	15	Field Format	Field Status	C
		an..10		
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 tccom130.pstc 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 tccom130.pstc		

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		Transmission of the value from the message file.			
ERP LN		Mapping to the ERP LN table field tccom130.cstc			

Position	17	Field Format	Field Status	C
		an..32		
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		Transmission of the value from the message file.		

Position	17	Field Format	Field Status	C
		an..32		
Field Name	<u>Telephone</u>			
ERP LN	Mapping to the ERP LN table field tccom130.telp			

Position	18	Field Format	Field Status	C
		an..15		
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	Transmission of the value from the message file.			
ERP LN	Mapping to the ERP LN table field tccom130.telx			

Position	19	Field Format	Field Status	C
		an..32		
Field Name	<u>Fax</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	Transmission of the value from the message file.			
ERP LN	Mapping to the ERP LN table field tccom130.tefx			

Data Record Description by Type of Data Record

Position	20	Field Format	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		Transmission of the value from the message file.		
ERP LN		Mapping to the ERP LN table field tccom130.geoc		

Position	21	Field Format	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		Transmission of the value from the message file.		
ERP LN		Mapping to the ERP LN table field tccom130.hono		

Position	22	Field Format	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		Transmission of the value from the message file.		
ERP LN		Mapping to the ERP LN table field tccom130.pobn		

Position	24	Field Format	Field Status
		an..30	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	Transmission of the value from the message file.		
ERP LN	Mapping to the ERP LN table field tccom130.dsca		

Position	25	Field Format	Field Status
		an..8	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 tccom130.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 tccom130.ccit		

Position	26	Field Format	Field Status
		an7	M
Field Name	<u>Data Record end sign</u>		Key field
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	This field will be filled with the constant value 'SA7_END'.		
ERP LN	None		

SA9 Product Variant Structure

Status: Conditional

Frequency: Multiple per order line

Description: This data record contains the Product Variant Structure referring to the Order line; and it is related to SA5.

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	SA9		SA9	
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	tdpur400.orno		tdsls400.corn	
5	Order Position Number	O/I	M	n..5 an..16	tdpur401.pono		tdsls401.corp	
6	Customer Order Sequence	O/I	M	n..5 an..11	tdpur401.sqnb		tdsls401.cors	
7	Option Set		M	n2	tipcf510.opts		tipcf510.opts	
8	PCF level		C	n2	tipcf510.pcfl		tipcf510.pcfl	
9	Item code ID		C	an..6	ecedi232.code / SA		SA	
10	Generic Item		C	an..47	tipcf510.item	Code and conversion	tipcf510.item	Code and conversion
11	Qualf. Item code Gen. item 1		C	an..6	ecedi232.code / SA		SA	
12	Qualf. Item code Gen. item 2		C	an..6	ecedi232.code / SA		SA	

Order In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
13	Qualf. Item code Gen. item 3	C	an..6	ecedi232.code / SA	SA
...					
35	Qualf. Item code Gen. item 25	C	an..6	ecedi232.code / SA	SA
36	Generic item 1	C	an..47	tipcf510.mitm (1)	
37	Generic item 2	C	an..47	tipcf510.mitm (2)	
38	Generic item 3	C	an..47	tipcf510.mitm (3)	
...					
60	Generic item 25	C	an..47	tipcf510.mitm (25)	
61	Pos. no. 1	C	n2	tipcf510.pono (1)	
62	Pos. no. 2	C	n2	tipcs510.pono (2)	
...					
85	Pos. no. 25	C	n2	tipcs510.pono (25)	
86	Sequence (1)	C	n2	tipcf510.sern (1)	
87	Sequence (2)	C	n2	tipcf510.sern (2)	
...					
110	Sequence (25)	C	n2	tipcf510.sern (25)	
111					
112	Data Record End Sign	O/I	M	an7	SA9_END

Data Record Description by Type of Data Record

Detailed description: Order
 Kind of data record: SA9 Variant Structure

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 'SA9'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA9'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA9'.				
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 SA9 / 3 until SA9 / 6 refer to the same fields of the data record SA5 (order line).

Position	7	Field Format	n2	Field Status	C
Field Name		<u>Option Set</u>			
Description		This field contains Code of Option Set which refers to the order line position and sequence no.			
Processing outgoing EDI Sub-System		None			
ERP LN		The ERP LN table field tipcf510.opts 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 tipcf510.opts			

Position	8	Field Format	n2	Field Status	C
Field Name		<u>PCF Level</u>			
Description		This field contains level of the PCF structure			
Processing outgoing EDI Sub-System		None			
ERP LN		The ERP LN table field tipcf510.pcf1 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 tipcf510.pcf1			

Position	9	Field Format	an..6	Field Status	C
Field Name		<u>Qualifier Item Code</u>			
Description		This field contains the qualifier for the item code. The constant value 'SA' indicates, that the supplier item codes are used. 'EAN' means that the EAN Code is used.			
Processing outgoing EDI Sub-System					
ERP LN		This field will be filled with the used table field ecedi232.code or the constant default value 'SA' or 'EAN'.			
Processing Incoming EDI Sub-System		This field will be filled with the constant value 'SA' or 'EAN', if the supplier item code or the EAN Code on position 10 is used.			

Data Record Description by Type of Data Record

Position	9	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Item Code</u>				
ERP LN	Used as qualifier for the conversion of the item code.				

Position	10	Field Format	an..47	Field Status	C
Field Name	<u>Generic Item</u>				
Description	This field contains BP's Code of the Generic item				
Processing outgoing EDI Sub-System	None				
ERP LN	The item code from ERP LN table field tipcf510.item is mapped to this position. If the buyer wants to send out the EAN Item Code a conversion is needed using the table ecedi232.code or the defined qualifier "SA" or "EAN" of the valid Conversion Setup.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tipcf510.item after conversion with qualifier "SA" or "EAN". If no conversion should take place, the Qualifier on position 9 must be empty.				

Position	11	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Item Code Gen. item 1</u>				
Description	This field contains the qualifier for the item code of the generic BOM's component 0. The constant value 'SA' indicates, that the supplier item codes are used. 'EAN' means that the EAN Code is used.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the used table field ecedi232.code or the constant default value 'SA' or 'EAN'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA' or 'EAN', if the supplier item code or the EAN Code on position 36 is used.				
ERP LN	Used as qualifier for the conversion of the item code.				

Analogously we have to consider the next fields:

Position	12 / ... / 35	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Item Code</u> <u>Gen. item 2 / ... / 25</u>				
Description	This field contains the qualifier for the item code of the generic BOM's component 2 / ... / 25. The constant value 'SA' indicates, that the supplier item codes are used. 'EAN' means that the EAN Code is used.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the used table field ecedi232.code or the constant default value 'SA' or 'EAN'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA' or 'EAN', if the supplier item code or the EAN Code on position (36 + no. of Generic item x) is used.				
ERP LN	Used as qualifier for the conversion of the item code.				
Position	36 / ... / 60	Field Format		Field Status	C
		an..47			
Field Name	<u>Generic Item 1 /.../ 25</u>				
Description	This field contains the Item Code of the Component in the generic BOM.				
Processing outgoing EDI Sub-System	None				
ERP LN	The item code from ERP LN table field tipcf510.mitm is mapped to this position. If the buyer wants to send out the EAN Item Code a conversion is needed using the table ecedi232.code or the defined qualifier "SA" or "EAN" of the valid Conversion Setup.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tipcf510.mitm after conversion with qualifier "SA" or "EAN". If no conversion should take place, the Qualifier on position (11 + no. of Generic Item x) must be empty.				

Data Record Description by Type of Data Record

Position	61 / ... / 85	Field Format	n2	Field Status	C
Field Name	<u>Position no. 1 / ... / 25</u>				
Description	The position number of the component in the <u>generic BOM</u> .				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tipcf510.pono 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 tipcf510.pono				

Position	86 / ... / 110	Field Format	n2	Field Status	C
Field Name	<u>Sequence 1 / ... / 25</u>				
Description	This field contains the sequence number which identified the version of the component for the related position number. For product variants, enter the sequence number within a position number of the generic BOM. This sequence number can also be left empty.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tipcf510.sern 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 tipcf510.sern				

Position	112	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 'SA9_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA9_END'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA9_END'.				

Position	112	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				
ERP LN	None				

SA10 Variant Option

Status: Conditional

Frequency: Multiple per order line

Description: This data record contains the Variant Option referring to the Order line; and it is related to SA9.

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	SA10		SA10	
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	tdpur400.orno		tdsls400.com	
5	Order Position Number	O/I	M	n..5 an..16	tdpur401.pono		tdsls401.corp	
6	Customer Order Sequence	O/I	M	n..5 an..11	tdpur401.sqnb		tdsls401.cors	
7	Option Set	O/I	M	n2	tipcf510.opt		tipcf510.opt	
8	Product Feature		C	an..8	tipcf510.cpft		tipcf510cpft	
9	Sequence Number		C	n2	tipcf520.sern		tipcf520.sern	
10	Description		C	an..35	tipcf520.dsca		tipcf520.dsca	

Data Record Description by Type of Data Record

Order In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
11	Option	C	an..8	tipcf510.opta	tipcf510.opta
12	Data Record End Sign	M	an7	SA10_END	SA10_END

Detailed description: Order
 Kind of data record: SA10 Variant Option

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 'SA10'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA10'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA10'.				
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 SA10 / 3 until SA10 / 6 refer to the same fields of the data record SA9 (order line).

Position	7	Field Format	n2	Field Status	C
Field Name	<u>Option Set</u>		Key field	Out / In	
Description	This field contains Code of Option Set which refers to the order line position and sequence no.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tipcf510.opts 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 tipcf510.opts				

Position	8	Field Format	an..8	Field Status	C
Field Name	<u>Product Feature</u>				
Description	This field contains the Product Feature.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tipcf520.cpft 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 tipcf520.cpft				

Position	9	Field Format	n2	Field Status	C
Field Name	<u>Sequence Number</u>				
Description	This field contains the related sequence number				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tipcf520.sern 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 tipcf520.sern				

Data Record Description by Type of Data Record

Position	10	Field Format an..35	Field Status	C
Field Name	<u>Description</u>			
Description	This field contains the related description.			
Processing outgoing EDI Sub-System	None			
ERP LN	The ERP LN table field tipcf520.dsca 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 tipcf520.dsca			

Position	11	Field Format an..8	Field Status	C
Field Name	<u>Option</u>			
Description	This field contains the used Option.			
Processing outgoing EDI Sub-System	None			
ERP LN	The ERP LN table field tipcf520.copt 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 tipcf520.copt			

Position	12	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 'SA10_END'.			
Processing outgoing EDI Sub-System				
ERP LN	This field will be filled with the constant value 'SA10_END'.			
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA10_END'.			
ERP LN	None			

SA11 Product Variant Text

Status: Conditional

Frequency: Multiple per order line

Description: This data record contains the Product Variant Text referring to the Order line; and it is related to SA5.

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	SA11		S11	
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	tdpur400.orno		tdsls400.corn	
5	Order Position Number	O/I	M	n..5 an..16	tdpur401.pono		tdsls401.corp	
6	Customer Order Sequence	O/I	M	n..5 an..11	tdpur401.sqnb		tdsls401.cors	
7	Product Variant Text		C	an..80	tipcf500.txta		tipcf500.txta	
8								
9	Data Record End Sign		M	an7	SA11_END		SA11_END	

Data Record Description by Type of Data Record

Detailed description: Order
 Kind of data record: SA11 Product Variant 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 'SA11'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA11'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA11'.				
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 SA11 / 3 until SA11 / 6 refer to the same fields of the data record SA5 (Order Line).

Position	7	Field Format	Field Status
		an..80	C
Field Name	<u>Product Variant Text (0)</u>		
Description	This field contains Product Variant Text which refers to the order line position and it's sequence no.; it refers to the text iteration level 0		
Processing outgoing EDI Sub-System	None		
ERP LN	The ERP LN table field tipcf500.txta 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 tipcf500.txta		

Position	8	Field Format	Field Status
		an..80	C
Field Name	<u>Product Variant Text (1)</u>		
Description	This field contains Product Variant Text which refers to the order line position and it's sequence no.; it refers to the text iteration level 1		
Processing outgoing EDI Sub-System	None		
ERP LN	The ERP LN table field tipcf500.txta 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 tipcf500.txta		

Position	9	Field Format	Field Status
		an7	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 'SA11_END'.		
Processing outgoing EDI Sub-System			
ERP LN	This field will be filled with the constant value 'SA11_END'.		
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA11_END'.		

Position	9	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				
ERP LN	None				

SA12 Variant Option Set Text

Status: Conditional

Frequency: Multiple per order line

Description: This data record contains the option set text referring to the Order line; and it is related to SA9.

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	SA12		S12	
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	tdpur400.orno		tdsls400.com	
5	Order Position Number	O/I	M	n..5 an..16	tdpur401.pono		tdsls401.corp	
6	Customer Order Sequence	O/I	M	n..5 an..11	tdpur401.sqnb		tdsls401.cors	
7	Option Set	O/I	M	n2	tipcf510.opt		tipcf510.opt	
8	Option Set Text		C	an..80	tipcf510.txta		tipcf510txta	
9	Data Record End Sign		M	an7	SA12_END		SA12_END	

Detailed description: Order
 Kind of data record: SA12 Option Set 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 'SA12'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA12'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA12'.				
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 SA12 / 3 until SA12 / 6 refer to the same fields of the data record SA9 (product variant).

Data Record Description by Type of Data Record

Position	7	Field Format	n2	Field Status	C
Field Name	<u>Option Set</u>		Key field	Out / In	
Description	This field contains Code of Option Set which refers to the order line position and sequence no.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tipcf510.opts 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 tipcf510.opts				

Position	8	Field Format		Field Status	C
Field Name	<u>Option Set Text</u>				
Description	This field contains the related text of the Option Set.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tipcf510.txta 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 tipcf510.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 'SA12_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA12_END'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA12_END'.				
ERP LN	None				

SA13 Variant Option Text

Status: Conditional

Frequency: Multiple per order line

Description: This data record contains the option text referring to the Order line; and it is related to SA10.

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	SA13		S13	
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	tdpur400.orno		tdsls400.corn	
5	Order Position Number	O/I	M	n..5 an..16	tdpur401.pono		tdsls401.corp	
6	Customer Order Sequence	O/I	M	n..5 an..11	tdpur401.sqnb		tdsls401.cors	
7	Option Set	O/I	M	n2	tipcf510.opts		tipcf510.opts	
8	Product Feature	O/I	M	an..8	tipcf520.cpft		tipcf520.cpft	
9	Option Text		C	an..80	tipcf520.txta		tipcf520txta	
10	Data Record End Sign		M	an7	SA13_END		SA13_END	

Data Record Description by Type of Data Record

Detailed description: Order
 Kind of data record: SA13 Option 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 'SA13'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA13'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA3'.				
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 SA13 / 3 until SA13 / 6 refer to the same fields of the data record SA10 (product variant).

Position	7	Field Format	n2	Field Status	C
Field Name	<u>Option Set</u>		Key field Out / In		
Description	This field contains Code of Option Set which refers to the order line position and sequence no.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tipcf510.opts 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 tipcf510.opts				

Position	8	Field Format	an..8	Field Status	C
Field Name	<u>Product Feature</u>		Key field Out / In		
Description	This field contains the related Product Feature.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tipcf520.cpft 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 tipcf520.cpft				

Position	9	Field Format	an..80	Field Status	C
Field Name	<u>Option Text</u>				
Description	This field contains the related text of the Option.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field tipcf520.txta 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 tipcf520.txta				

Data Record Description by Type of Data Record

Position	10	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 'SA13_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA13_END'.				
Processing Incoming EDI Sub-System					
ERP LN	None				

SA14 Tax Exemption Certificate Text (only outgoing)

Status: Conditional
 Frequency: Once by order line
 Description: This data record contains the Tax Exemption Certificate Text referring to the Order line; and it is related to SA5.

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	SA14			
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	Order Position Number	O/I	M	n..5 an..16	tdpur401.pono			
6	Customer Order Sequence	O/I	M	n..5 an..11	tdpur401.sqnb			
7	Exemption Certificate Text		M	an..80	tcmcs160.ctxt or tcmcs036.txta	Evaluation expression ⁴ Country tax		
8								
9	Data Record End Sign	O/I	M	an7	SA14_END			

⁴ EXTAX = tcmcs160.ctxt <> 0
 CTTAX = tcmcs160.ctxt = 0

Data Record Description by Type of Data Record

Detailed description: Order
 Kind of data record: SA14 Tax Exemption Certificate Text

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 'SA14'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA14'.				
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 SA5				
Processing Incoming EDI Sub-System					
ERP LN	N . A.				

The record fields SA14 / 3 until SA14 / 6 refer to the same fields of the data record SA5 (order line).

Position	7	Field Format	Field Status
Field Name		an..80	C
Field Name		Tax Exemption Certificate Text	
Description		This field contains the tax Exemption Certificate Text or the Country Tax Text depending of the Evaluation for an existing certificate.	
Processing outgoing EDI Sub-System			
ERP LN		An evaluation expression has to be used: If the expression (tcmcs160.ctxt <>) 0 is true then the ERP LN table field tcmcs160.ctxt (Tax Exemption Certificate Text) is mapped to this position. If the expression (tcmcs160.ctxt = 0) is true then the ERP LN table field tcmcs036.txta (Tax Code By Country Text) is mapped to this position.	
Processing Incoming EDI Sub-System			
ERP LN		N. A	

Position	9	Field Format	Field Status
Field Name		an7	M
Field Name		<u>Data Record end sign</u>	Key field
Description		This field identifies the end of data record in the message block. It contains the constant value 'SA14_END'.	
Processing outgoing EDI Sub-System			
ERP LN		This field will be filled with the constant value 'SA14_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

A

Example Outgoing message

```
"SA1";"ETN080702131713000000000000000000000004";"ETN293";"293000992";"ORD001";"BEMIS";"";;  
20080702;;1317;  
"SA1_END"
```

```
"SA2";"ETN080702131713000000000000000000000004";"ETN293";"293000992";"20080702";"20080702";2  
0080702;"";"";"";  
"FCA";"Free carrier";"";"";"";"";"030";"30days  
credit";30;0;0;"EUR";"";"";0;"POAMS1";"ZZ";"";"ETSUP1";"ZZ";"BFBP";  
"ZZ";"SFBP";"SFBP";"ETSUP1";"0HBP";"ETSUP1";"ZZ";"PTBP";"";"";"0";32;"";"TEST  
VD";"";"";"";"";"";"";"";"SA2_END"
```

```
"SA3";"ETN080702131713000000000000000000000004";"ETN293";"293000992";"BFBP";"NLD";"ZARA  
Gran Via 293 Financial Company";"ZARA Gran Via Nergenshuizen";"ZARA Gran Via";"";"";"1011  
NH";"NH";"12345";"";"";"";"";"";"";  
;"Den Helder";"DH";"SA3_END"
```

```
"SA3";"ETN080702131713000000000000000000000004";"ETN293";"293000992";"SFBP";"NLD";"ZARA  
Gran Via 293 Financial Company";"ZARA Gran Via Nergenshuizen";"ZARA Gran Via";"";"";"1011  
NH";"NH";"12345";"";"";"";"";"";"";  
;"Den Helder";"DH";"SA3_END"
```

```
"SA3";"ETN080702131713000000000000000000000004";"ETN293";"293000992";"0HBP";"NLD";"ZARA  
Gran Via 293 Financial Company";"ZARA Gran Via Nergenshuizen";"ZARA Gran Via";"";"";"1011  
NH";"NH";"12345";"";"";"";"";"";"";  
;"Den Helder";"DH";"SA3_END"
```

```
"SA3";"ETN080702131713000000000000000000000004";"ETN293";"293000992";"PTBP";"NLD";"ZARA  
Gran Via 293 Financial Company";"ZARA Gran Via Nergenshuizen";"ZARA Gran Via";"";"";"1011  
NH";"NH";"12345";"";"";"";"";"";"";  
;"Den Helder";"DH";"SA3_END"
```