

Definition of BEMIS INV100 Import and Export File for Business Document Trading Invoice (Tax on Line)

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About this Guide

Objective

This document describes the content and the corresponding structure of the EDI message “Trading Invoice (Tax on Line)”, 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 INVOIC
- ANSI X12 810

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 Invoice (Tax on Line).

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 Invoice (Tax on Line).

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 INV100.

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.

Chapter 1

General Principles

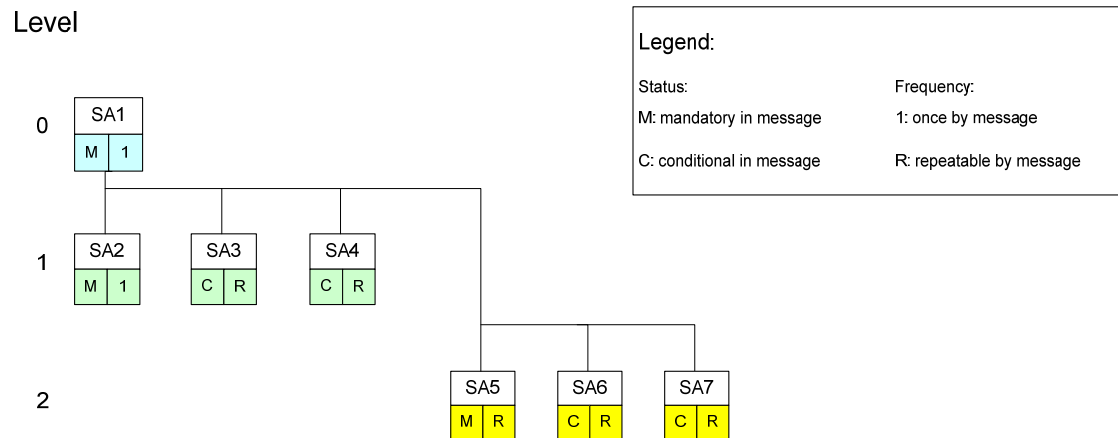
Available types of data records

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

ID	Status	Name
SA1	M	Overhead
SA2	M	Invoice Header
SA3	C	Invoice Header Specific Addresses (OUT)
SA4	C	Invoice Header Text
SA5	M	Invoice Lines
SA6	C	Invoice Line's Text (OUT)
SA7	C	Invoice Line's Specific Delivery Address (OUT)

Branching diagrams

The following data record structure is used for the BEMIS message type Trading Invoice (Tax on Line):



For example, two invoices with two lines each the BEMIS file has the following structure:

SA1 ... Message Overhead

SA2 ... Invoice Header 1

SA3 ... Invoice Header 1 Addresses

SA4 ... Invoice Header 1 Text

SA5 ... Invoice Line Item 11

SA6... Invoice Line text

SA7 ... Line's Delivery Address

SA5 ... Invoice Line Item 12

SA6 ... Invoice Line text

SA7 ...Line's Delivery Address

SA1 ... Message Overhead

SA2 ... Invoice Header 2

SA3 ... Invoice Header 2 Addresses

SA5 ... Invoice Line Item 21

SA6 ... Invoice Line text

SA5 ... Invoice Line Item 22

SA6 ... Invoice Line text

SA7 ... Line's Delivery Address

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

If an Invoice 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 Invoice-to-BP and the Sales Invoice.
The following structure of the key fields is used to determine the corresponding data records of an invoice 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 Reference	BP network ID					
SA2	1		Message Reference	BP network ID					
SA3	2		Message Reference	BP network ID	Transaction Type	Document Number			
SA4	2		Message Reference	BP network ID	Transaction Type	Document Number			
SA5	2		Message Reference	BP network ID	Transaction Type	Document Number			
SA6	6		Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order	Inv. Line Number	Sequence Number
SA7	6		Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order	Inv. Line Number	Sequence Number

Key fields incoming

The incoming message refers to the Invoice-from-BP and the Purchase Invoice. The following structure of the key fields is used to determine the corresponding data records of an invoice 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 Reference	BP network ID					
SA2	1	Message Reference	BP network ID					
SA4	2	Message Reference	BP network ID	Transaction Type	Document Number			
SA5	2	Message Reference	BP network ID	Transaction Type	Document Number			

Business partner relations

The following table shows the business partner relations:

Outgoing Sales Invoice		Incoming Purchase Invoice	
ID of the sender	ecedi020.neta	Invoice-from BP Code	tfacp200.ifbp
Ship-to BP Code	cisli205.stbp cisli245.stbp		
Invoice-to BP Code	cisli205.itbp	Invoice-from BP Code	tfacp200.ifbp

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 invoices, 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/invoice/`
-

ERP LN will additionally create the following subdirectories:

- `/${BSE}/edi /bemis /invoice/appl_from/`
- `/${BSE}/edi /bemis /invoice/appl_to/`
- `/${BSE}/edi /bemis /invoice/command/`
- `/${BSE}/edi /bemis /invoice/store_recv/`
- `/${BSE}/edi /bemis /invoice/store_sent/`
- `/${BSE}/edi /bemis /invoice/trace/`

The above mentioned directories refer to one message type, “trading invoice (tax on line)”. The directories have the following functions:

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

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

Direction	File Name	Network Directory
outgoing	INV100	<code>/\${BSE}/edi/bemis/invoice/appl_from</code>
incoming	INV100	<code>/\${BSE}/edi/bemis/invoice/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?

- This is a new message with tax on line level whereas the INV001 contains the tax on header level.

Chapter 2

Data Record Description by Type of Data Record

2

SA1 Message Overhead

Status: Mandatory
Frequency: Once by invoice
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.

Invoice 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)

Invoice In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
4	Sales Invoice Transaction Type	M	an..3	cisli205.ityp			
5	Invoice Document Number	M	an..17	cisli205.idoc		ecedi702.msno	
6							
7	Net ID of Receiver	M	an..17	ecedi028.neta	Conversion (see below)		
8	Organization	M	an..6	ecedi003.code	Conversion (see below)	ecedi702.orga	Conversion (see below)
9	Message	M	an..6	ecedi001.code	Conversion (see below)	ecedi702.mess	Conversion (see below)
10	Order Type	M	an..35	ecedi011.koor	Conversion (see below)	ecedi702.koor	Conversion (see below)
11	Test Identifier	C	n1	""		ecedi702.test	
12	Date of transmission	M	n..8 n..14	current date		ecedi702.send	
13	Time of transmission	C	n..6	current time			
14	Data record end sign	M	an7	SA1_END		SA1_END	

Detailed description: Invoice
 Kind of data record: SA1 Message 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 invoice. The numbering, which has to be clear by invoice, helps to control the chronological order of the invoices 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 invoice, stores it in the ERP LN table field ecedi701.bano and writes it into all data records of an invoice.				
Processing Incoming EDI Sub-System	The EDI Sub-System generates this number to identify an invoice and writes it into all data records of an invoice.				
ERP LN	Mapping to ERP LN table field ecedi702.bano.				

Position	3	Field Format	an..17	Field Status	M
Field Name	<u>Net ID of sender</u>		Key field Out / In		
Description	This field contains the identification of the sender (for example the ILN Number)				
Processing outgoing EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The identification is stored in the ERP LN table ecedi020 'Our Identification' under the corresponding network in the ERPLN 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..3	Field Status	M
Field Name	<u>Sales Invoice Transaction Type</u>				
Description	This field contains the transaction type of the sales invoice				
Processing outgoing EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The sales invoice transaction type is stored in the ERP LN table 'Invoice-Source Relations' in table field cisli205.ityp and is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	5	Field Format	an..17	Field Status	M
Field Name	<u>Invoice Document Number</u>				

Description This field contains the transaction type of the sales invoice

Processing outgoing

EDI Sub-System

Transmission of the value from the message file.

ERP LN

The sales invoice document number is stored in the ERP LN table 'Invoice-Source Relations' in table field cisli205.idoc and 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 ecedi702.msno

Position	7	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 (for example 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	8	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

Position	9	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 'Invoices' is INV100.				
Processing outgoing EDI Sub-System	.				
ERP LN	The internal message code ecedi001.code 'INV100' 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 'INV100'.				
ERP LN	The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this Invoice. In the ERP LN table ecedi005 'EDI Messages' is determined for every message which session (DLL) is used in ERP LN to process the invoice. The message code is mapped to the ERP LN table field ecedi702.mess.				

Position	10	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 invoices. 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	11	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	12	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, on which the invoice message was created. On the incoming side, this field contains the arrival date / time of the invoice 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	13	Field Format	n..6	Field Status	M
Field Name	<u>Time of Transmission</u>				

Description This field contains on the outgoing side the current time, on which the invoice message was created.

Processing outgoing
EDI Sub-System

ERP LN Mapping of the current date / time to the position.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	14	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

Invoice In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
15							
16	Late Payment Surcharge	C	an..6	cisli240.ccrs	Code and Conversion	tfacp200.ccrs	Code and Conversion
17	Description	C	an..30	tcmcs011.dsca			
18	Terms of Payment	C	an..6	cisli240.cpay	Code and Conversion	tfacp200.cpay	Code and Conversion
19	Description	C	an..30	tcmcs013.dsca			
20	Payment Period	C	n..2	tcmcs013.pper			
21	Discount Period 1	C	n..2	tcmcs013.disa			
22	Discount Percentage 1	C	an..4	tcmcs013.prca			
23							
24							
25	Constant	C		"" (empty)			
26	Sold-to-BP	C	an..20	cisli205.ofbp	Code and Conversion		
27	Qualifier Address Code	C	an..6	ecedi218.code / ZZ			
28	Address/ BP Code	C	an..6	ecedi224.code / STBP			
29	Invoice-to BP	C	an..20	cisli205.itbp	Code and Conversion		
30	Qualifier Address Code	C	an..6	ecedi218.code / ZZ			
31	Address/ BP Code	C	an..6	ecedi224.code / ITBP			
32	Pay-from-BP	C	an..20	cisli205.pfbp	Code and Conversion		
33	Qualifier Address Code	C	an..6	ecedi218.code / ZZ			
34	Address/ BP Code	C	an..6	ecedi224.code / PFBP			

Invoice In-house Format					Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
35	Ship-to BP	C	an..20		cisli205.stbp	Code and Conversion
36	Qualifier Address Code	C	an..6		ecedi218.code / ZZ	
37	Address/ BP Code	C	an..6		ecedi224.code / STBP	
38	Invoice Currency	C	an..6		cisli205.ccur	Code and Conversion
39	Invoice date / time	C	n..14		cisli205.idat	tfacp200.docd
40	Amount in Invoice Currency	C	n..15		cisli205.amti	tfacp200.amnt
41	Goods Amount in Invoice Currency	C	n..15		cisli205.gdai	
42	Cost Amount in Invoice Currency	C	n..15		cisli205.csai	
43	Discount Amount in Invoice Curr.	C	n..15		cisli205.dcai	
44	Tax Base Amount in Invoice Curr.	C	n..15		cisli205.tbai	
45	Invoice-from BP	C	an..20			tfacp200.ifbp
46	Qualifier Address Code	C	an..6			ZZ
47	Address/ BP Code	C	an..6			IFPB
48	Tax Amount in Invoice Currency	C	n..15		cisli205.txai	
49	Shifted Tax Amount in Home Currency	C	an..27		cisli205.stai	
50	Data Record End Sign	O/I	M	an..7	SA2_END	SA2_END

Detailed description: Invoice
 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 invoice. The numbering, which has to be clear by invoice, helps to control the chronological order of the invoices and the complete transmission.

Processing outgoing
 EDI Sub-System

ERP LN Analogously to data record SA1

Processing Incoming
 EDI Sub-System

ERP LN Analogously to data record SA1

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

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

Processing outgoing

EDI Sub-System

Transmission of the value from the message file.

ERP LN

Analogously to data record SA1

Processing Incoming

EDI Sub-System

ERP LN

Analogously to data record SA1

Position	4	Field Format	an..3	Field Status	M
Field Name	<u>Transaction Type</u>				

Description This field contains the Sales Invoice Transaction Type.

Processing outgoing

EDI Sub-System

None

ERP LN

The transaction type is mapped from ERP LN table field cisli205.ityp to this position.

Processing Incoming

EDI Sub-System

ERP LN

Position	5	Field Format	n..6	Field Status	M
Field Name	<u>Invoice Document Number</u>				
Description	This field contains invoice document number.				
Processing outgoing EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The sales invoice document number is stored in the ERP LN table 'Invoice-Source Relations' in table field cisli205.idoc and 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 tfacp200.isup				

Position	8	Field Format	an..9	Field Status	C
Field Name	<u>Order Number</u>				
Description	This field contains the Order Number				
Processing outgoing EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The sales order or the warehouse order, from which the invoicing data was generated, is stored in the ERP LN table 'Sales and Warehouse Order Invoice Headers' in table field cisli240.sls0 and is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	16	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 invoice from ERP LN table field cisl240.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 tfacp200.ccrs and conversion with ERP LN table ecedi330.				

Position	17	Field Format	an..30	Field Status	C
Field Name	<u>Description (Late Pmt Surch.)</u>				
Description	This field contains the description of the code for the Late Payment Surcharge. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The description is mapped from the ERP LN Table field tcmcs011.dsca.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	18	Field Format	an..6	Field Status	C
Field Name	<u>Terms of Payment</u>				
Description	This field contains a Code for the Terms of Payment agreed upon with the relation.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Terms of Payment of the sales invoice from ERP LN table field cisli240.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 cisli240.cpay and conversion via ERP LN table ecedi326.				

Position	19	Field Format	an..30	Field Status	C
Field Name	<u>Description (Term of Payment)</u>				
Description	This field contains the description of the code for the Term of Payment. It is used in the outgoing messages only.				
Processing outgoing EDI Sub-System	None				
ERP LN	The description is mapped from the ERP LN Table field tcmcs013.dsca.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	20	Field Format	n..2	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	21	Field Format	n..2	Field Status	C
Field Name	<u>Discount Period 1</u>				

Description This field contains the number of days after the invoice date, during 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	22	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	25	Field Format		Field Status	C
Field Name	<u>Constant</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

Position	28	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				

Description This position contains the standard qualifier 2 for the 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.

Processing Incoming
EDI Sub-System

ERP LN

Position	29	Field Format	an..20	Field Status	C
Field Name	<u>Invoice-to BP</u>				

Description The code of the Invoice-to Business Partner. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The Code for the Invoice-to BP from ERP LN table field cisli205.itbp is converted using the conversion table ecedi420 and the default qualifier "ZZ" and is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	30	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Address Code</u>				

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

Processing outgoing

EDI Sub-System None

ERP LN "ZZ"

Processing Incoming

EDI Sub-System

ERP LN

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

Description This position contains the standard qualifier 2 for the Invoice-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.

Processing Incoming

EDI Sub-System

ERP LN

Position	32	Field Format	an..20	Field Status	C
Field Name	<u>Pay-from BP</u>				

Description The code of the Pay-from Business Partner. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The Code for the Pay-from BP from ERP LN table field cisl205.pfbp is converted using the conversion table ecedi420 and the default qualifier "ZZ" and is mapped to this position.

Processing Incoming
EDI Sub-System
ERP LN

Position	33	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

Position	34	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-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.

Processing Incoming
EDI Sub-System

ERP LN

Position	35	Field Format	an..20	Field Status	C
Field Name	<u>Ship-to BP</u>				

Description The code of the Ship-to Business Partner. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The Code for the Ship-to BP from ERP LN table field cisli205.stbp is converted using the conversion table ecedi420 and the default qualifier "ZZ" and is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	36	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

Position	37	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				

Description This position contains the standard qualifier 2 for the Ship-to Business Partner.

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.

Processing Incoming

EDI Sub-System

ERP LN

Position	38	Field Format	an..6	Field Status	C
Field Name	<u>Invoice Currency</u>				
Description	This field contains the Currency relevant for the invoice. It contains the alphanumerical identification of the currency. The currency code will be defined according to ISO 4217.				
Processing outgoing EDI Sub-System	None				
ERP LN	The Currency relevant for the sales invoice from ERP LN table field cisli205.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 tfacp200.ccur and conversion with ERP LN table ecedi324.				

Position	39	Field Format	n..14	Field Status	C
Field Name	<u>Invoice Date / Time</u>				
Description	This field contains the date / time (YYYYMMDDHHMMSS) the invoice is created in the system.				
Processing outgoing EDI Sub-System	None				
ERP LN	The invoice date / time from ERP LN table field cisli205.idat 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 tfacp200.docd.				

Position	40	Field Format	n..15	Field Status	C
Field Name	<u>Amount in Invoice Currency</u>				

Description This field contains the amount related to the complete invoice in invoice currency.

Processing outgoing
EDI Sub-System None

ERP LN The amount in invoice currency of the sales invoice from ERP LN table field cisl205.amti 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 tfacp200.amnt

Position	41	Field Format	n..15	Field Status	C
Field Name	<u>Goods Amount Invoice Currency</u>				

Description This field contains the goods amount related to the complete invoice in invoice currency. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The goods amount in invoice currency of the sales invoice from ERP LN table field cisl205.gdai is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	42	Field Format	n..15	Field Status	C
Field Name	<u>Cost Amount Invoice Currency</u>				

Description This field contains the cost amount related to the complete invoice in invoice currency. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System

None

ERP LN The cost amount in invoice currency of the sales invoice from ERP LN table field cisli205.csai is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	43	Field Format	n..15	Field Status	C
Field Name	<u>Discount Amount Invoice Currency</u>				

Description This field contains the discount amount related to the complete invoice in invoice currency. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System

None

ERP LN The discount amount in invoice currency of the sales invoice from ERP LN table field cisli205.dcai is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	44	Field Format	n..15	Field Status	C
Field Name	<u>Tax Base Amount Invoice Currency</u>				

Description This field contains the tax base amount related to the complete invoice in invoice currency. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System None

ERP LN The tax base amount in invoice currency of the sales invoice from ERP LN table field cisi205.tbai is mapped to this position.

Processing Incoming
EDI Sub-System
ERP LN

Position	45	Field Format	an..20	Field Status	C
Field Name	<u>Invoice-from-BP</u>				

Description The code of the Invoice-from BP (in).

Processing outgoing
EDI Sub-System None

ERP LN

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

ERP LN The Code for the Invoice-from-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 tfacp200.ifbp.

Position	46	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Address Code</u>				
Description	This position contains the standard qualifier 1 for the Invoice from Business Partner.				
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System					
ERP LN	Use the code "ZZ" to identify the BP type.				

Position	47	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				
Description	This position contains the standard qualifier 2 for the Invoice-from Business Partner.				
Processing outgoing EDI Sub-System	None				
ERP LN					
Processing Incoming EDI Sub-System					
ERP LN	Use the code "IFBP" to identify the Invoice-from BP.				

Position	48	Field Format	n..15	Field Status	C
Field Name	<u>Tax Amount in Invoice</u> <u>Currency</u>				

Description This field contains the tax amount related to the complete invoice in invoice currency.

Processing outgoing
EDI Sub-System

None

ERP LN

The tax amount in invoice currency of the sales invoice from ERP LN table field cisl205.txai is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	49	Field Format	an..27	Field Status	C
Field Name	<u>Shifted Tax Amount in Home</u> <u>Currency</u>				

Description This field contains the Bank Reference related to the invoice.

Processing outgoing
EDI Sub-System

None

ERP LN

The shifted tax amount from ERP LN table field cisl205.stai is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

SA3 Invoice Header Specific Addresses

Status: Conditional

Frequency: Multiple by invoice number

Description: This data record contains the specific addresses of the invoice header and is related to data record SA2.

Appearance Sold-to-Address

Invoice In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA3			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	Sales Invoice Transaction Type	O	M	an..3	cisli205.ityp			
5	Invoice Document Number	O/I	M	n..6	cisli205.idoc			
6								
7	Address/BP Code		C	an..6	ecedi224.code	Evaluation expression ¹ INVOF		

¹INVOF = tcom100.inrl = tyesno.no or (strip(cisli205.ofad) <> "" and cisli205.ofad <>tcom110.cadr)

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

Invoice In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
25	City Code	C		an..8	tccom130.ccit	Evaluation INVOF		
26								
27	Data Record End Sign	O/I	M	an7	SA3_END			

Appearance Invoice-to-Address

Invoice In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA3			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	Sales Invoice Transaction Type	O	M	an..3	cisli205.ityp			
5	Invoice Document Number	O/I	M	n..6	cisli205.idoc			
6								
7	Address/BP Code		C	an..6	ecedi224.code	Evaluation expression ² INVIT		

² INVIT = tccom100.inrl = tcyesno.no or (strip(cisli205.itoa) <> "" and cisli205.itoa <> tccom112.cadr)

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

Invoice In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
25	City Code	C		an..8	tccom130.ccit	Evaluation INVIT		
26								
27	Data Record End Sign	O/I	M	an7	SA3_END			

Appearance Pay-from-Address

Invoice In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA3			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	Sales Invoice Transaction Type	O	M	an..3	cisli205.ityp			
5	Invoice Document Number	O/I	M	n..6	cisli205.idoc			
6								
7	Address/BP Code		C	an..6	ecedi224.code	Evaluation expression ³ INVPF		

³ INVPF = tccom100.inrl = tyesno.no or (strip(cisli205.pfad) <> "" and cisli205.pfad <> tccom114.cadr)

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

Invoice In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
25	City Code	C		an..8	tccom130.ccit	Evaluation INVPF		
26								
27	Data Record End Sign	O/I	M	an7	SA3_END			

Appearance Ship-to-Address

Invoice In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA3			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	Sales Invoice Transaction Type	O	M	an..3	cisli205.ityp			
5	Invoice Document Number	O/I	M	n..6	cisli205.idoc			
6								
7	Address/BP Code		C	an..6	ecedi224.code	Evaluation expression ⁴ INVST		

⁴ INVST = tccom100.inrl = tcyesno.no or (strip(cisli205.stoa) <> "" and cisli205.stoa <>tccom111.cadr)

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

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

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 invoice. The numbering, which has to be clear by order, helps to control the chronological order of the invoices and the complete transmission.

Processing outgoing
 EDI Sub-System

ERP LN Refer to data record SA2

Processing Incoming
 EDI Sub-System

ERP LN

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

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

Processing outgoing

EDI Sub-System

Transmission of the value from the message file.

ERP LN

Refer to data record SA2

Processing Incoming

EDI Sub-System

ERP LN

Position	4	Field Format	an..3	Field Status	M
Field Name	<u>Transaction Type</u>		Key field Out		

Description This field contains the Sales Invoice Transaction Type.

Processing outgoing

EDI Sub-System

None

ERP LN

The transaction type is mapped from ERP LN table field cisli205.ityp to this position.

Processing Incoming

EDI Sub-System

ERP LN

Position	5	Field Format	n..6	Field Status	M
Field Name	<u>Invoice Document Number</u>		Key field Out / In		

Description This field contains the transaction type of the sales invoice

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

ERP LN The sales invoice document number is stored in the ERP LN table 'Invoice-Source Relations' in table field cisli205.idoc and is mapped to this position.

Processing Incoming
 EDI Sub-System

ERP LN

Position	7	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				
Description	This field identifies the Business Partner Type of the following address. The evaluation expression defines the appearance of this record. The data record could be appearing four times depending on the Evaluation Expressions INVOF, INVIT, INVPF and INVST.				
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.				
Processing Incoming EDI Sub-System					
ERP LN					

All following fields of the record SA3 are depending on the used evaluation expression.

Position	8	Field Format	an..3	Field Status	C
Field Name	<u>Country</u>				
Description	This field contains the Country of the Address. The country codes 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	9	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				

Description This field contains the first part of Name

Processing outgoing
EDI Sub-System None

ERP LN The First part of the Name from ERP LN table field tcom130.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 tcom130.nama

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

Description This field contains the second part of name

Processing outgoing
EDI Sub-System None

ERP LN The second part of the Name from ERP LN table field tcom130.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 tcom130.namb

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

Description This field contains the first part of the delivery address

Processing outgoing
EDI Sub-System None

ERP LN The First part of the Address from ERP LN table field tcom130.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 tcom130.namc

Position	12	Field Format	an..30	Field Status	C
Field Name	<u>Address 2</u>				
Description	This field contains the second part of the delivery address				
Processing outgoing EDI Sub-System	None				
ERP LN	The second part of the Address from ERP LN table field tcom130.namd is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tcom130.namd				

Position	14	Field Format	an..30	Field Status	C
Field Name	<u>City 2</u>				
Description	This field contains further information to the City				
Processing outgoing EDI Sub-System	None				
ERP LN	The City information from ERP LN table field tcom130.namf is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tcom130.namf				

Position	15	Field Format	an..10	Field Status	C
Field Name	<u>ZIP / Postal Code</u>				
Description	This field contains the ZIP or postal code referring to the delivery address				
Processing outgoing EDI Sub-System	None				
ERP LN	The ZIP Code from ERP LN table field tcom130.pstc is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tcom130.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 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	17	Field Format	an..32	Field Status	C
Field Name	<u>Telephone</u>				
Description	This field contains the telephone number				
Processing outgoing EDI Sub-System	None				
ERP LN	The Telephone number from ERP LN table field tcom130.telp 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.telp				

Position	18	Field Format	an..15	Field Status	C
Field Name	<u>Telex</u>				
Description	This field contains the telex number				
Processing outgoing EDI Sub-System	None				
ERP LN	The Telex number from ERP LN table field 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	19	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	20	Field Format	an..10	Field Status	C
Field Name	<u>GEO Code</u>				

Description	This field contains the GEO Code
Processing outgoing EDI Sub-System	None
ERP LN	The GEO Code from ERP LN table field tccom130.geoc is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tccom130.geoc

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

Description	This field contains the house number referring to the address
Processing outgoing EDI Sub-System	None
ERP LN	The house number from ERP LN table field tccom130.hono is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tccom130.hono

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

Description This field contains the P.O. Box Number

Processing outgoing
EDI Sub-System None

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

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

ERP LN Mapping to the ERP LN table field tccom130.pobn

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

Description This field contains the Description of the City

Processing outgoing
EDI Sub-System None

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

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

ERP LN Mapping to the ERP LN table field tccom130.dsca

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

Description This field contains the Code of the City

Processing outgoing
EDI Sub-System None

ERP LN The Code from ERP LN table field 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	27	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 Invoice Header Text – Text Data

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

Invoice 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	Sales Invoice Transaction Type	O	M	an..3	cisli205.ityp			
5	Invoice Document Number	O/I	M	n..6	cisli205.idoc		tfacp200.isup	
6								
7	Header text 1		C	an..80	cisli240.text		tfacp200.text	
8	Header text 2		C	an..80			tfacp200.text	
9	Data Record End Sign	O/I	M	an7	SA4_END		SA4_END	

Detailed description: Invoice
 Kind of data record: SA4 Invoice 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 invoice. The numbering, which has to be clear by order, helps to control the chronological order of the orders and the complete transmission.				
Processing outgoing EDI Sub-System					
ERP LN	Refer to data record SA2				
Processing Incoming EDI Sub-System					
ERP LN	Refer to data record SA2				

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

Position	4	Field Format	an..3	Field Status	M
Field Name		<u>Transaction Type</u>		Key field Out	
Description		This field contains the Sales Invoice Transaction Type.			
Processing outgoing EDI Sub-System		None			
ERP LN		The transaction type is mapped from ERP LN table field cisli205.ityp to this position.			
Processing Incoming EDI Sub-System					
ERP LN					

Position	5	Field Format	n..6	Field Status	M
Field Name	<u>Invoice Document Number</u>		Key field Out / In		

Description This field contains the transaction type of the sales invoice

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

ERP LN The sales invoice document number is stored in the ERP LN table 'Invoice-Source Relations' in table field cisli205.idoc and 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 tfacp200.isup

Position	7	Field Format	an..80	Field Status	C
Field Name	<u>Invoice Header Text 1</u>				

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

Processing outgoing
EDI Sub-System

ERP LN Mapping of ERP LN table field cisli240.text to position.

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

ERP LN Mapping to ERP LN table field tfacp200.text

Position	8	Field Format	an..80	Field Status	C
Field Name	<u>Invoice Header Text 2</u>				
Description	This field contains a free text 2 with a maximum of 80 characters.				
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field tfacp200.text				

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 'SA4_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA4_END'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA4_END'.				
ERP LN	None				

SA5 Invoice Line

Status: Mandatory

Frequency: Multiple by invoice number

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

Invoice 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	Sales Invoice Transaction Type	O	M	an..3	cisli205.ityp			
5	Invoice Document Number	O/I	M	n..6	cisli205.idoc		tfacp200.isup	
6	Order Number		M	an..9	cisli240.slso			
7	Invoice Line Number		M	n..5	cisli245.pono			
8	Invoice Sequence Number		M	n..5	cisli245.sqnb		tfacp250.sqnb	
9	Customer Order Number		C	an..9	cisli245.corn		tfacp240.orno	
10	Customer Order Position		C	an..16 n..5	cisli245.corp		tfacp240.pono	
11	Customer Order Sequence		C	n..5 an..11	cisli245.cors		tfacp240.sqnb	

Invoice In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
12	Buyer's Item Code or EAN Item Code	C	an..47	cisli245.item	Conversion	tfacp240.item	Conversion
13	Description of the Item	C	an..30	tcibd001.dsca			
14	Supplier's Item Code	C	an..47	cisli245.item	Conversion		
15	Ship-to Business Partner	C	an..20	cisli204.stbp	Code and Conversion		
16	Address Code ID	C	an..6	ecedi218.code / ZZ			
17	Address/ BP Code	C	an..6	ecedi224.code			
18	Ordered Quantity	C	n..15	cisli245.oqua			
19	Delivered Quantity/ Invoiced Quantity	C	n..15	cisli245.dqua		tfacp250.iqan	
20	Sales / Purchase Unit	C	an..3	cisli245.cuqs	Code and Conversion	tfacp240.unit	Code and Conversion
21	Price	C	n..15	cisli245.pric			
22	Price Unit	C	an..3	cisli245.cups	Code and Conversion		
23	Delivery Date	C	n..14	cisli245.ddat			
24							
25	Shipment	C	an..9	cisli245.shpm			
26	Order Discount Amount	C	n..15	cisli245.odai			
27	Line Discount Amount	C	n..15	cisli245.ldai			
28	Tax Exemption Reason Code	C	an..6	cisli245.rcod	Code and Conversion		
29	Tax Exemption Certificate Number	C	an..20	cisli245.ceno			
30	Tax Code	C	an..10	cisli245.txid	Code and Conversion	tfgld102.cvat	Code and Conversion
31	Amount in Invoice Currency	C	n..15	cisli245.amti		tfgld102.amnt	

Invoice In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
32	Tax Amount in Invoice Currency	C	n..15	cisli245.txai	tfgld102.vamt
33	First Reference	C	an..30	cisli240.refa	
34	Second Reference	C	an..20	cisli240.refb	
35	Order Date	C	n..14	cisli240.odat	
36	Header Entry Date	C	n..14	cisli240.date	
37	Forwarding Agent	C	an..20	cisli240.cfrw	
38	Description	C	an..30	tcmcs080.dsca	
39	Terms of Delivery	C	an..6	cisli240.cdec	
40	Description	C	an..30	tcmcs041.dsca	
41	Code in Message	C	an..6	ecedi224.code	
42					
43	Qualifier Item Code	M	an..6		
44	Data record end sign	M	an..7	SA5_END	SA5_END

Detailed description: Invoice
 Kind of data record: SA5 Invoice Lines

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

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

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

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

Processing outgoing

EDI Sub-System

Transmission of the value from the message file.

ERP LN

Refer to data record SA2

Processing Incoming

EDI Sub-System

ERP LN

Refer to data record SA2

Position	4	Field Format	an..3	Field Status	M
Field Name	<u>Transaction Type</u>		Key field Out		

Description This field contains the Sales Invoice Transaction Type.

Processing outgoing

EDI Sub-System

None

ERP LN

The transaction type is mapped from ERP LN table field cisl205.ityp to this position.

Processing Incoming

EDI Sub-System

ERP LN

Position	5	Field Format	n..6	Field Status	M
Field Name	<u>Invoice Document Number</u>		Key field Out / In		

Description This field contains the transaction type of the sales invoice

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

ERP LN The sales invoice document number is stored in the ERP LN table 'Invoice-Source Relations' in table field cisli205.idoc and 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 tfacp200.isup

Position	6	Field Format	an..9	Field Status	M
Field Name	<u>Order Number</u>				

Description This field contains the Order Number

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

ERP LN The sales order or the warehouse order, from which the invoicing data was generated, is stored in the ERP LN table 'Sales and Warehouse Order Invoice Headers' in table field cisli240.slso and is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	7	Field Format	n..5	Field Status	M
Field Name	<u>Invoice Line Number</u>				

Description This field contains the Invoice Line Number.

Processing outgoing
EDI Sub-System None

ERP LN The invoice line number from ERP LN table field cisli245.pono is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	8	Field Format	n..5	Field Status	M
Field Name	<u>Invoice Sequence Number</u>				

Description This field contains the Invoice Sequence Number.

Processing outgoing
EDI Sub-System None

ERP LN The invoice sequence number from ERP LN table cisli245.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 tfacp250.sqnb

Position	9	Field Format	an..9	Field Status	C
Field Name	<u>Customer Order Number</u>				

Description This field contains the Customer Order Position.

Processing outgoing
EDI Sub-System None

ERP LN The customer order number from ERP LN table field cisli245.com 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 tfacp240.orno

Position	10	Field Format	an..16/n..5	Field Status	C
Field Name	<u>Customer Order Position</u>				

Description This field contains the Customer Order Position.

Processing outgoing
EDI Sub-System None

ERP LN The customer order position from ERP LN table field cisli245.corp is mapped to this position.

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

ERP LN Mapping to ERP LN table field tfacp240.pono

Position	11	Field Format	n..5/an..11	Field Status	C
Field Name	<u>Customer Order Sequence</u>				

Description This field contains the Customer Order Sequence.

Processing outgoing
EDI Sub-System None

ERP LN The customer order sequence from ERP LN table field cisli245.cors is mapped to this position.

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

ERP LN Mapping to ERP LN table field tfacp240.sqnb

Position	12	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 cisli245.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 tfacp240.item after conversion of the given qualifier.

Position	13	Field Format	an..30	Field Status	C
Field Name	<u>Description of the item</u>				
Description	This field contains the description of the item.				
Processing outgoing EDI Sub-System					
ERP LN	The description of the item from ERP LN table field tcibd001.dsca is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	None				

Position	14	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 cisli245.item is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	None				

Position	15	Field Format	an..20	Field Status	C
Field Name	<u>Ship-to BP</u>				

Description This position contains the code of the Ship-to business partner.

Processing outgoing
EDI Sub-System None

ERP LN The Code for the Ship-to BP from ERP LN table field cisli245.stbp is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	16	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Address Code ID</u>				

Description This position is used to store the default qualifier 1for the Address code which is defined in the message definition. It can be used to identify the ship-to address.

Processing outgoing
EDI Sub-System None

ERP LN "ZZ"

Processing Incoming
EDI Sub-System

ERP LN

Position	17	Field Format	an..6	Field Status	C
Field Name	<u>Address/ BP Code</u>				

Description This position contains the standard qualifier 2 for the Warehouse

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System
ERP LN

Position	18	Field Format	n..15	Field Status	C
Field Name	<u>Ordered Quantity</u>				

Description This field contains the quantity ordered.

Processing outgoing
EDI Sub-System

ERP LN The ordered quantity from ERP LN table field cisli245.oqua is mapped to this position.

Processing Incoming
EDI Sub-System
ERP LN

Position	19	Field Format	n..15	Field Status	C
Field Name	<u>Delivered Quantity</u>				

Description This field contains the quantity delivered.

Processing outgoing
EDI Sub-System

ERP LN The delivered quantity from ERP LN table field cisli245.dqua 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 tfacp250.iqan

Position	20	Field Format	an..3	Field Status	C
Field Name	<u>Sales / Purchase Unit</u>				

Description This field contains the quantity unit of the item.

Processing outgoing
EDI Sub-System

ERP LN The unit from ERP LN table field cisli245.cuqs 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 tfacp240.unit and conversion with ERP LN table ecedi304 is possible.

Position	21	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 cisl245.pric is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	22	Field Format	an..3	Field Status	C
Field Name	<u>Price Unit</u>				

Description This field contains the price unit the price refers to.

Processing outgoing
EDI Sub-System

ERP LN The price unit from ERP LN table field cisl245.cups is mapped to this position and converted with ERP LN table ecedi442.

Processing Incoming
EDI Sub-System

ERP LN

Position	23	Field Format	n..14	Field Status	C
Field Name	<u>Delivery Date</u>				

Description This field contains the delivery date.

Processing outgoing
EDI Sub-System

ERP LN The delivery date from ERP LN table field cisli245.ddat is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	25	Field Format	an..9	Field Status	C
Field Name	<u>Shipment</u>				

Description This field contains the shipment number.

Processing outgoing
EDI Sub-System

ERP LN The shipment number from ERP LN table field cisli245.shpm is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	26	Field Format	n..15	Field Status	C
Field Name	<u>Order Discount Amount</u>				

Description This field contains the order discount amount.

Processing outgoing
EDI Sub-System

ERP LN The order discount amount from ERP LN table field cisli245.odai is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	27	Field Format	n..15	Field Status	C
Field Name	<u>Line Discount Amount</u>				

Description This field contains the line discount amount.

Processing outgoing
EDI Sub-System

ERP LN The line discount amount from ERP LN table field cisli245.ldai is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	28	Field Format	an..6	Field Status	C
Field Name	<u>Tax Exemption Reason Code</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 cisli245.rcod to this position after conversion with ERP LN table ecedi353.

Processing Incoming
EDI Sub-System

ERP LN

Position	29	Field Format	an..20	Field Status	C
Field Name	<u>Tax Exemption Certificate No.</u>				

Description This field contains the Tax Exemption Certificate number.

Processing outgoing
EDI Sub-System None

ERP LN The number is mapped from ERP LN table cisli245.ceno to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	30	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 cisli245.txid is mapped to this position and converted with ERP LN table ecedi446.				
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.				
ERP LN	Mapping to ERP LN table field tfgld102.cvat				

Position	31	Field Format	n..15	Field Status	C
Field Name	<u>Amount in Invoice Currency</u>				
Description	This field contains the amount in invoice currency.				
Processing outgoing EDI Sub-System					
ERP LN	The amount in invoice currency from ERP LN table field cisli245.amti 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 tfgld102.amnt.				

Position	32	Field Format	n..15	Field Status	C
Field Name	<u>Tax Amount in Invoice Currency</u>				

Description	This field contains the tax amount invoice currency.
Processing outgoing EDI Sub-System	None
ERP LN	The tax amount in invoice currency from ERP LN table field cisli205.txai 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 tfacp200.vamt

Position	33	Field Format	an..30	Field Status	C
Field Name	<u>Reference A</u>				

Description	This field contains the first extra reference by which the invoice can be identified. This reference is printed on various invoice documents and lists.
Processing outgoing EDI Sub-System	None
ERP LN	The ERP LN table field cisli240.refa is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	

Position	34	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 invoice documents and lists.

Processing outgoing
EDI Sub-System None

ERP LN The ERP LN table field cisli240.refb is mapped to this position

Processing Incoming
EDI Sub-System

ERP LN

Position	35	Field Format	n..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 order date / time from ERP LN table field cisli240.odat is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	36	Field Format	n..14	Field Status	C
Field Name	<u>Header Entry Date / Time</u>				

Description This field contains the date / time (YYYYMMDDHHMMSS) the invoicing data was released to Central Invoicing.

Processing outgoing
EDI Sub-System

None

ERP LN

The header entry date from ERP LN table field cisli240.date is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	37	Field Format	an..20	Field Status	C
Field Name	<u>Forwarding Agent Code</u>				

Description This field contains the Forwarding Agent's Code which is used for this invoice. The code list has to be agreed with the Business Partner. It is used in the outgoing messages only.

Processing outgoing
EDI Sub-System

None

ERP LN

The Code for the Forwarding Agent of the invoice from ERP LN table field cisli240.cfrw is mapped to this position and converted with ERP LN table ecedi456.

Processing Incoming
EDI Sub-System

ERP LN

Position	38	Field Format	an..30	Field Status	C
Field Name	<u>Description (Forwarding Agent)</u>				

Description This field contains the description of the code for the Forwarding Agent. 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

Position	39	Field Format	an..6	Field Status	C
Field Name	<u>Terms of Delivery</u>				

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

You could use the EDIFACT notification or an own definition,
for example CFR = Cost and Freight

CIF = Cost, Insurance and Freight

DES = Delivered Ex Ship

DDU = Delivered Duty Unpaid

FCA = Free Carrier

Processing outgoing
EDI Sub-System None

ERP LN The terms of delivery are mapped from ERP LN table cisli240.cdec to this position after conversion with ERP LN table ecedi430.

Processing Incoming
EDI Sub-System

ERP LN

Position	40	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	41	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				

Description This position contains the standard qualifier 2 for the 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.

Processing Incoming
EDI Sub-System

ERP LN

Position	43	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	44	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 Invoice Line Text – Text Data

Status: Conditional
 Frequency: Once by invoice
 Description: This data record contains the text information of the invoice line and is related to SA5.

Invoice 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			
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	Sales Invoice Transaction Type	O	M	an..3	cisli205.ityp			
5	Invoice Document Number	O/I	M	n..6	cisli205.idoc			
6	Order Number	O/I	M	an..9	cisli240.slso			
7	Invoice Line Number	O/I	M	n..5	cisli245.pono			
8	Invoice Sequence Number	O/I	M	n..5	cisli245.sqnb			
9	Detail Text		C	an..80	cisli245.dtxt			
10	Data Record End Sign	O	M	an7	SA6_END			

Detailed description: Invoice
 Kind of data record: SA6 Invoice Line Text data

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 'SA6'.

Processing outgoing
 EDI Sub-System

ERP LN This field will be filled with the constant value 'SA6'.

Processing Incoming
 EDI Sub-System

ERP LN

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

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

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

Processing outgoing
EDI Sub-System

ERP LN Refer to data record SA5

Processing Incoming
EDI Sub-System

ERP LN

Position	4	Field Format	an..3	Field Status	M
Field Name	<u>Transaction Type</u>		Key field Out		

Description This field contains the Sales Invoice Transaction Type.

Processing outgoing
EDI Sub-System

ERP LN The transaction type is mapped from ERP LN table field cisli205.ityp to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	5	Field Format	n..6	Field Status	M
Field Name	<u>Invoice Document Number</u>		Key field Out		

Description This field contains the transaction type of the sales invoice

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

ERP LN The sales invoice document number is stored in the ERP LN table 'Invoice-Source Relations' in table field cisli205.idoc and is mapped to this position.

Processing Incoming
 EDI Sub-System
 ERP LN

Position	6	Field Format	an..9	Field Status	C
Field Name	<u>Order Number</u>		Key field Out		

Description This field contains the Order Number

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

ERP LN The sales order or the warehouse order, from which the invoicing data was generated, is stored in the ERP LN table 'Sales and Warehouse Order Invoice Headers' in table field cisli240.sls0 and is mapped to this position.

Processing Incoming
 EDI Sub-System
 ERP LN

Position	7	Field Format	n..5	Field Status	M
Field Name	<u>Invoice Line Number</u>		Key field Out		

Description This field contains the Invoice Line Number.

Processing outgoing
EDI Sub-System None

ERP LN The invoice line number from ERP LN table field cisli245.pono is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	8	Field Format	n..5	Field Status	M
Field Name	<u>Invoice Sequence Number</u>		Key field Out		

Description This field contains the Invoice Sequence Number.

Processing outgoing
EDI Sub-System None

ERP LN The invoice sequence number from ERP LN table cisli245.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 tfacp250.sqnb

Position	9	Field Format	an..80	Field Status	C
Field Name	<u>Detail Text</u>				

Description This field contains a free text with a maximum of 80 characters; you could use only two text fields maximally.

Processing outgoing
EDI Sub-System

ERP LN Mapping of ERP LN table field cisl245.dtxt to position.

Processing Incoming
EDI Sub-System

ERP LN

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 '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

ERP LN

SA7 Invoice Line's Specific Delivery Address

Status: Conditional
Frequency: Once by invoice line
Description: This data record contains the delivery address referring to the invoice line; and it is related to SA5.

Appearance only referring to a sales order line's specific delivery address

Invoice In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA7			
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)		
4	Sales Invoice Transaction Type	O	M	an..3	cisli205.ityp			
5	Invoice Document Number	O/I	M	n..6	cisli205.idoc			
6	Order Number	O/I	M	an..9	cisli240.slso			
7	Invoice Line Number	O/I	M	n..5	cisli245.pono			
8	Invoice Sequence Number	O/I	M	n..5	cisli245.sqnb			

Invoice In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
9	Code in message	C	an..6	ecedi224.code Evaluation Expression ⁵ INVLND	
10	Country	C	an..3	tccom130.ccty Code and conversion / Evaluation INVLND	
11	Name	C	an..35	tccom130.nama Evaluation INVLND	
12	Name 2	C	an..35	tccom130.namb Evaluation INVLND	
13	Address	C	an..30	tccom130.namc Evaluation INVLND	
14	Address 2	C	an..30	tccom130.namd Evaluation INVLND	
15					
16	City 2	C	an..30	tccom130.namf Evaluation INVLND	
17	ZIP / Postal Code	C	an..10	tccom130.pstc Evaluation INVLND	
18	State / Province	C	an..2	tccom130.cste Evaluation INVLND	
19	Telephone	C	an..32	tccom130.telp Evaluation INVLND	
20	Telex	C	an..15	tccom130.telx Evaluation INVLND	
21	Fax	C	an..32	tccom130.tefx Evaluation INVLND	
22	GEO Code	C	an..10	tccom130.geoc Evaluation INVLND	
23	House number	C	an..10	tccom130.hono Evaluation INVLND	

⁵ INVLND = tccom100.inrl = tcyesno.no or (strip(cisli245.stoa) <> "" and cisli245.stoa <>tccom111.cadr)

Invoice In-house Format					Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
24	P.O. Box Number	C	an..10	tccom130.pobn	Evaluation INVLND	
25						
26	City Description	C	an..30	tccom130.dsca	Evaluation INVLND	
27						
28						
29						
30	City Code	C	an..8	tccom130.ccit	Evaluation INVLND	
31	Data Record End Sign	O/I	M an7	SA7_END		

Detailed description: Invoice
 Kind of data record: SA7 Invoice 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

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 invoice. The numbering, which has to be clear by order, helps to control the chronological order of the invoices and the complete transmission.

Processing outgoing
 EDI Sub-System

ERP LN Refer to data record SA5

Processing Incoming
 EDI Sub-System

ERP LN

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

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

Processing outgoing

EDI Sub-System

Transmission of the value from the message file.

ERP LN

Refer to data record SA5

Processing Incoming

EDI Sub-System

ERP LN

Position	4	Field Format	an..3	Field Status	M
Field Name	<u>Transaction Type</u>		Key field Out		

Description This field contains the Sales Invoice Transaction Type.

Processing outgoing

EDI Sub-System

None

ERP LN

The transaction type is mapped from ERP LN table field cisli205.ityp to this position.

Processing Incoming

EDI Sub-System

ERP LN

Position	5	Field Format	n..6	Field Status	M
Field Name	<u>Invoice Document Number</u>		Key field Out / In		

Description This field contains the transaction type of the sales invoice

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

ERP LN The sales invoice document number is stored in the ERP LN table 'Invoice-Source Relations' in table field cisli205.idoc and is mapped to this position.

Processing Incoming
 EDI Sub-System
 ERP LN

Position	6	Field Format	an..9	Field Status	M
Field Name	<u>Order Number</u>		Key field Out / In		

Description This field contains the Order Number

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

ERP LN The sales order or the warehouse order, from which the invoicing data was generated, is stored in the ERP LN table 'Sales and Warehouse Order Invoice Headers' in table field cisli240.sls0 and is mapped to this position.

Processing Incoming
 EDI Sub-System
 ERP LN

Position	7	Field Format	n..5	Field Status	M
Field Name	<u>Invoice Line Number</u>		Key field Out / In		

Description This field contains the Invoice Line Number.

Processing outgoing
EDI Sub-System None

ERP LN The invoice line number from ERP LN table field cisli245.pono is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	8	Field Format	n..5	Field Status	M
Field Name	<u>Invoice Sequence Number</u>		Key field Out / In		

Description This field contains the Invoice Sequence Number.

Processing outgoing
EDI Sub-System None

ERP LN The invoice sequence number from ERP LN table cisli245.sqnb is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	9	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				

Description This field identifies the Business Partner Type of the following address.
The evaluation expression INVLND defines the appearance of this record.

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.

Processing Incoming
EDI Sub-System

ERP LN

All following fields of the record SA7 are depending on the evaluation expression INVLND.

Position	10	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

ERP LN

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

Description This field contains the first part of Name

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

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

Description This field contains the second part of name

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	13	Field Format	an..14	Field Status	C
Field Name	<u>Address</u>				

Description This field contains the first part of the delivery address

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

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

Description This field contains the second part of the delivery address

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	16	Field Format	an..30	Field Status	C
Field Name	<u>City 2</u>				

Description This field contains further information to the City

Processing outgoing
EDI Sub-System None

ERP LN The City information from ERP LN table field tccom130.namf is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	17	Field Format	an..10	Field Status	C
Field Name	<u>ZIP / Postal Code</u>				

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

Processing outgoing
EDI Sub-System None

ERP LN The ZIP Code from ERP LN table field tccom130.pstc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	18	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

ERP LN

Position	19	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.telp is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	20	Field Format	an..15	Field Status	C
Field Name	<u>Telex</u>				

Description This field contains the telex number

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	21	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

ERP LN

Position	22	Field Format	an..10	Field Status	C
Field Name	<u>GEO Code</u>		Key field		

Description This field contains the GEO Code

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	23	Field Format	an..10	Field Status	C
Field Name	<u>House Number</u>		Key field		

Description This field contains the house number referring to the address

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	24	Field Format	an..10	Field Status	C
Field Name		<u>P.O. Box Number</u>		Key field	

Description This field contains the P.O. Box Number

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	26	Field Format	an..30	Field Status	C
Field Name		<u>City Description</u>		Key field	

Description This field contains the Description of the City

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	30	Field Format	an..8	Field Status	C
Field Name	<u>City Code</u>		Key field		

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

ERP LN

Position	31	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				

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

Processing outgoing
EDI Sub-System

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

Processing Incoming
EDI Sub-System

ERP LN

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
