Definition of BEMIS INV001 Import and Export File for Business Document Trading Invoice

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About this Guide

Objective

This document describes the content and the corresponding structure of the EDI message "Trading Invoice", 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
- VDA   4906

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.

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.

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 INV001.

Intended audience

This document is intended for the following categories of users:

- Users who want to understand what the processed information of the EDI messages in ERP LN are.

- Users who develop the translation from external EDI format to the in-house format.

References

The following documents might be of importance:

No.	Document number	Title
1	U8912A US	*User's Guide for BEMIS*
2	U8998A US	*User's Guide for EDI Business Documents*

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 (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	Global Overhead
SA2	M	Invoice Header
SA3	C	Invoice Header Specific Addresses
SA4	C	Invoice Header Text
SA5	C	Tax Lines
SA6	M	Invoice Lines
SA7	C	Invoice Line's Text
SA8	C	Invoice Line's Specific Delivery Address

Branching diagrams

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

Level

0	SA1 — M 1

Legend:

Status:
M: mandatory in message
C: conditional in message

Frequency:
1: once by message
R: repeatable by message

1	SA2 — M 1 SA3 — C R SA4 — C R SA5 — C R

2	SA6 — M R SA7 — C R SA8 — C R
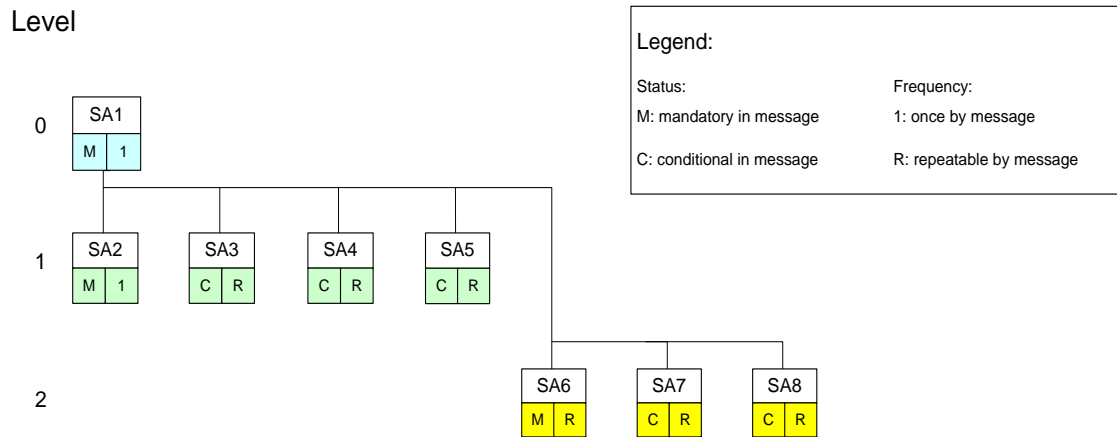
For example, two invoices with two lines each the BEMIS file has the following structure:

SA1 ... ERP LN Envelop

    SA2 ... Invoice Header 1

    SA3 … Invoice Header 1 Addresses

    SA4 ... Invoice Header 1 Text

        SA6 ... Invoice Line Item 11

        SA7.... Invoice Line text

        SA8 … Line's Delivery Address

        SA6 ... Invoice Line Item 12

        SA7 ... Invoice Line text

        SA8 …Line's Delivery Address

SA1 ... ERP LN Envelop

    SA2 ... Invoice Header 2

    SA3 … Invoice Header 2 Addresses

        SA6 ... Invoice Line Item 21

        SA7 ... Invoice Line text

SA6 ... Invoice Line Item 22

SA7 ... Invoice Line text

SA8 … Line's Delivery Address

If an Invoice Line's Delivery Address (SA8) 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 (SA8) 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	Sales/WH Order		
SA4	2	Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order		
SA5	2	Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order		
SA6	2	Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order		
SA7	6	Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order	Inv. Line Number	Sequence Number
SA8	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					
SA3	2	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order		
SA4	2	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order		
SA5	2	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order		
SA6	2	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order		
SA7	6	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order	Inv. Line Number	Sequence Number
SA8	6	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order	Inv. Line Number	Sequence 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	ccisli305.stbp cisli310.stbp		
Invoice-to BP Code	ccisli305.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". 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	INV001	/${BSE}/edi/bemis/invoice/appl_from
incoming	INV001	/${BSE}/edi/bemis/invoice/appl_to

ERP LN BEMIS messages – conventions

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

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

- The length of the several data segments can vary.

- Even if some fields do not contain a value, each data segment (message record) must consist of all fields.

- The fields in the file must be separated by a defined sign, such as a semicolon (;)

- A filled string field must be put inside quotation marks ("....").

- If a position in a BEMIS Message File is not taken by a value, which means that the position is empty, then the position is pointed out using two semicolons. Also, the ERP LN EDI Module distinguishes between numerical data and alphanumerical data format, as shown in the following examples:

    Empty numerical Position: "SAx"; … ; ; … ;"SAx_END"

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

    "SAx"; … ; ; … ;"SAx_END"   and   "SAx"; … ; ""; … ;"SAx_END"

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

INVOICE IN-HOUSE FORMAT

Pos	Field description	Key	ST	FM

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

Pos   Position of the field in the data record

Field description   Description of the field

Key   Key field outgoing (O) / incoming (I)

ST   Field status mandatory (M) / conditional (C)

FM   Field format, for example.

                         an..14 = alphanumerical field with a maximum of 14 characters

                         an14   = alphanumerical field with exactly 14 characters

                         n..10 = numerical field with a maximum of 10 characters

                         n1   = numerical field with exactly 1 character

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

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

Table Field	Action

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

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

What is new in comparison to BEMIS for BAAN V?

- New message structure: 8 Data Segments instead of 7 before
    o   Each invoice line level use an separate text data record

- The item identification is done referring to the Alternative Item Code System by the only qualifier in ecedi232.code – default value is "SA".

Chapter 2
Data Record Description by Type of Data Record

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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	cisli305.tran			
5	Invoice Document Number	M	an..17	cisli305.idoc		ecedi702.msno	
6	Order Number	M	an..9	cisli310.slso			
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		**Kind of Data Record**		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		**Message Reference**		Key field Out / IN	

Description	This field identifies all connected data records of one invoice. The numbering, which has to be clear by invoice, helps to control the chronological order of the 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.
	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.
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		**Net ID of sender**		**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		**Sales Invoice Transaction Type**			

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 cisli305.tran and is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	

Position	5	Field Format	an..17	Field Status	M

Field Name	**Invoice Document Number**

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 cisli305.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	6	Field Format	an..9	Field Status	M

Field Name	**Order Number**

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 cisli310.slso and is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	7	Field Format	an..17	Field Status	M
Field Name		**Net ID of Receiver**			

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		**Organization**			

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		**Message**			

Description

This field contains the code for the identification of the concerned message. The code for the message type 'Invoices' is INV001.

Processing outgoing
EDI Sub-System

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ERP LN

The internal message code ecedi001.code 'INV001' 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 'INV001'.

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		**Order Type**			

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		**Identifier of Test**			

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		**Date / Time of Transmission**			

Description	This field contains on the outgoing side the current date, on which the invoice message was created. On the incoming side, this field contains the arrival date / 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		**Time of Transmission**			

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		**Data Record end sign**			

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

Processing outgoing
EDI Sub-System

ERP LN   This field will be filled with the constant value 'SA1_END'.

Processing Incoming
EDI Sub-System

                           This field will be filled with the constant value 'SA1_END'.

ERP LN   None

SA2 Invoice Header

Status: Mandatory

Frequency: Once by invoice

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

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	an..3	SA2		SA2	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Sales Invoice Transaction Type		M	an..3	cisli305.tran			
5	Invoice Document Number		M	n..6	ccisli305.idoc		tfacp200.isup	
6	Order Number		C	an..9	cisli310.orno			
7	Customer Order Number		C	an..30 / an..9	cisli240.corn		tfacp200.orno	
8	Order Date		C	n..14	cisli310.odat			
9	Header Entry Date		C	n..14	cisli310.odat			
10	Reference A		C	an..30	cisli310.refa			
11	Reference B		C	an..20	cisli310.refb			
12	Terms of Delivery		C	an..6	cisli310.cdec	Code and Conversion		
13	Description		C	an..30	tcmcs041.dsca			

Invoice In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
14	Forwarding Agent Code	C	an..20	cisli240.cfrw	Code and Conversion		
15	Description	C	an..30	tcmcs080.dsca			
16	Late Payment Surcharge	C	an..6	cisli305.ccrs	Code and Conversion	tfacp200.ccrs	Code and Conversion
17	Description	C	an..30	tcmcs011.dsca			
18	Terms of Payment	C	an..6	cisli305.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	cisli305.ofbp	Code and Conversion		
27	Qualifier Address Code	C	an..6	ecedi218			
28	Address/ BP Code	C	an..6	ecedi224.code			
29	Invoice-to BP	C	an..20	cisli305.itbp	Code and Conversion		
30	Qualifier	C	an..6	ecedi218			
31	Address/ BP Code	C	an..6	ecedi224.code			
32	Pay-from-BP	C	an..20	cisli305.pfbp	Code and Conversion		
33	Qualifier	C	an..6	ecedi218			
34	Address/ BP Code	C	an..6	ecedi224.code			
35	Ship-to BP	C	an..20	cisli305.stbp	Code and Conversion		
36	Qualifier	C	an..6	ecedi218			

	Invoice In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
37	Address/ BP Code	C	an..6	ecedi224.code			
38	Invoice Currency	C	an..6	cisli305.ccur	Code and Conversion	tfacp200.ccur	Code and Conversion
39	Invoice date	C	n..14	cisli305.idat		tfacp200.docd	
40	Amount in Invoice Currency	C	n..15	cisli205.amti		tfacp200.amnt	
41	Goods Amount Invoice Currency	C	n..15	cisli205.gdai			
42	Cost Amount Invoice Currency	C	n..15	cisli205.csai			
43	Discount Amount Invoice Currency	C	n..15	cisli305.dcai			
44	Tax Base Amount Invoice Currency	C	n..15	cisli205.tbai			
45	Invoice-from BP	C	an..20			tfacp200.ifbp	Code and Conversion
46	Pay-from-BP	C	an..20	cisli305.pfbp		tfacp200.ptbp	
47	Qualifier	C	an..6				
48	Tax Amount in Invoice Currency	C	n..15	cisli305.txai		tfacp200.vati	
49	Bank Reference	C	an..27	cisli305.bkrn		tfacp200.bkrn	
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		**Kind of Data Record**		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		**Message Reference**		Key field Out / IN	

Description	This field identifies all connected data records of one invoice. The numbering, which has to be clear by invoice, helps to control the chronological order of the 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		**Net ID of sender**		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		**Transaction Type**			

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 cisli305.tran to this position.
Processing Incoming	
EDI Sub-System	
ERP LN	

Position	5	Field Format	n..6	Field Status	M

Field Name	**Invoice Document Number**

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 cisli305.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	C

Field Name	**Order Number**

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 cisli310.orno and is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	7	Field Format	an..30 / an..9	Field Status	C
Field Name		**Customer Order Number**			

Description | This field contains the Customer Order Number.

Processing outgoing
EDI Sub-System | None

ERP LN | The customer order number from ERP LN table field cisli240.corn 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.orno

Position	8	Field Format	n..14	Field Status	C
Field Name		**Order Date / Time**			

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 cisli310.odat is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	9	Field Format	n..14	Field Status	C
Field Name		**Header Entry Date / Time**			

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 cisli310.odat is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	10	Field Format	an..30	Field Status	C
Field Name		**Reference A**			

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 cisli310.refa is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	11	Field Format	an..20	Field Status	C
Field Name		**Reference B**			

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 cisli310.refb is mapped to this position
Processing Incoming EDI Sub-System	
ERP LN	

Position	12	Field Format	an..6	Field Status	C
Field Name		**Terms of Delivery**			

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 cisli310.cdec to this position after conversion with ERP LN table ecedi430.
Processing Incoming EDI Sub-System	
ERP LN	

Position	13	Field Format	an..30	Field Status	C

Field Name	**Description** (Term of Delivery)

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	14	Field Format	an..20	Field Status	C

Field Name	**Forwarding Agent Code**

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	15	Field Format	an..30	Field Status	C
Field Name		**Description (Forwarding Agent)**			

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	16	Field Format	an..6	Field Status	C
Field Name		**Late Payment Surcharge**			

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 cisli305.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	**Description** (Late Pmt Surch.)

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	**Terms of Payment**

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 cisli305.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		Description (Term of Payment)

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		Payment Period

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		**Discount Period 1**			

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		**Discount Percentage 1**			

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		**Constant**			

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	26	Field Format	an..20	Field Status	C
Field Name		**Sold-to BP**			

Description	The code of the Sold-to Business Partner. It is used in the outgoing messages only.
Processing outgoing	
EDI Sub-System	None
ERP LN	The Code for the Sold-to BP from ERP LN table field cisli305.ofbp 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	27	Field Format	an..6	Field Status	C

Field Name	**Qualifier Address Code**

Description

This position is used to store the default qualifier 1for 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	28	Field Format	an..6	Field Status	C

Field Name	**Address / BP Code**

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		**Invoice-to BP**			

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 cisli305.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		**Qualifier Address Code**			

Description	This position is used to store the default qualifier 1for 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		**Address / BP Code**			

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		**Pay-from BP**			

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 cisli305.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		**Qualifier Address Code**			

Description

This position is used to store the default qualifier 1for 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		**Address / BP Code**			

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		**Ship-to BP**			

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 cisli305.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		**Qualifier Address Code**			

Description   This position is used to store the default qualifier 1for 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		**Address / BP Code**			

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		**Invoice Currency**			

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 cisli305.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		**Invoice_Date / Time**			

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 cisli305.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		**Amount in Invoice Currency**			

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 cisli205.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		**Goods Amount Invoice Currency**			

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 cisli205.gdai is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	42	Field Format	n..15	Field Status	C
Field Name		**Cost Amount Invoice Currency**			

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	**Discount Amount Invoice Currency**

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 cisli305.dcai is mapped to this position.

Processing Incoming

EDI Sub-System

ERP LN

Position	44	Field Format	n..15	Field Status	C

Field Name	**Tax Base Amount Invoice Currency**

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 cisli305.tbai is mapped to this position.

Processing Incoming

EDI Sub-System

ERP LN

Position	45	Field Format	an..20	Field Status	C
Field Name		**Invoice-from-BP**			

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..20	Field Status	C
Field Name		**Address / BP Code**			

Description	This position contains the standard qualifier 1 for the Pay-to Business Partner.
Processing outgoing EDI Sub-System	None
ERP LN	The Code for the Pay-to BP from ERP LN table field cisli205.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	Use the code "ZZ" to identify the Invoice-to BP.

Position	47	Field Format	an..6	Field Status	C
Field Name		**Address / BP Code**			

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		**Tax Amount in Invoice Currency**			

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 cisli305.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.vati

Position	49	Field Format	an..27	Field Status	C
Field Name		**<u>Bank Reference</u>**			

Description	This field contains the Bank Reference related to the invoice.
Processing outgoing	
EDI Sub-System	None
ERP LN	The Bank Reference of the Sales Invoice from ERP LN table field cisli305.bkrn 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.bkrn

Position	50	Field Format	an..7	Field Status	M
Field Name		**<u>Data Record end sign</u>**			

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA2_END'.
Processing outgoing	
EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA2_END'.
Processing Incoming	
EDI Sub-System	This field will be filled with the constant value 'SA2_END'.
ERP LN	None

SA3 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	cisli305.tran			
5	Invoice Document Number	O/I	M	n..6	cisli305.idoc			
6	Order Number	O/I	M	an..9	cisli310.orno			
7	Address/BP Code		C	an..6	ecedi224.code	Evaluation expression[1] INVOF		

[1] INVOF = tccom100.inrl = tcyesno.no or (strip(cisli305.ofad) <> "" and cisli305.ofad <>tccom110.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	cisli305.tran			
5	Invoice Document Number	O/I	M	n..6	cisli305.idoc			
6	Order Number	O/I	M	an..9	cisli310.orno			
7	Address/BP Code	C	an..6	ecedi224.code	Evaluation expression[2] INVIT			

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[2] INVIT = tccom100.inrl = tcyesno.no or (strip(cisli305.itoa) <> "" and cisli305.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	cisli305.tran			
5	Invoice Document Number	O/I	M	n..6	cisli305.idoc			
6	Order Number	O/I	M	an..9	cisli310.orno			
7	Address/BP Code		C	an..6	ecedi224.code	Evaluation expression[3] INVPF		

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[3] INVPF = tccom100.inrl = tcyesno.no or (strip(cisli305.pfad) <> "" and
cisli305.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	cisli305.tran			
5	Invoice Document Number	O/I	M	n..6	cisli305.idoc			
6	Order Number	O/I	M	an..9	cisli310.orno			
7	Address/BP Code		C	an..6	ecedi224.code	Evaluation expression[4] INVST		

[4] INVST = tccom100.inrl = tcyesno.no or (strip(cisli305.stoa) <> "" and cisli305.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	

	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 INVST	
26						
27	Data Record End Sign	O/I M	an7	SA3_END		

Detailed description: Invoice

Kind of data record: SA3 Invoice Header Specific Addresses

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

Description | This field identifies the kind of data record 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		**Message Reference**		Key field Out / IN	

Description | This field identifies all connected data records of one invoice. The numbering, which has to be clear by 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		**Net ID of sender**		**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		**Transaction Type**		**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 cisli305.tran to this position.
Processing Incoming	
EDI Sub-System	
ERP LN	

Position	5	Field Format	n..6	Field Status	M
Field Name		**Invoice Document Number**		**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 cisli305.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		**Order Number**		**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 cisli310.orno and is mapped to this position.
Processing Incoming	
EDI Sub-System	
ERP LN	

Position	7	Field Format	an..6	Field Status	C
Field Name		**Address / BP Code**			

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		**Country**			

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		**Name**			

Description	This field contains the first part of Name
Processing outgoing EDI Sub-System	None
ERP LN	The First part of the Name from ERP LN table field tccom130.nama is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tccom130.nama

Position	10	Field Format	an..30	Field Status	C
Field Name		**Name 2**			

Description	This field contains the second part of name
Processing outgoing EDI Sub-System	None
ERP LN	The second part of the Name from ERP LN table field tccom130.namb is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tccom130.namb

Position	11	Field Format	an..14	Field Status	C
Field Name		**Address**			

Description	This field contains the fist part of the delivery address
Processing outgoing EDI Sub-System	None
ERP LN	The First part of the Address from ERP LN table field tccom130.namc is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tccom130.namc

Position	12	Field Format	an..30	Field Status	C

Field Name	**Address 2**

Description	This field contains the second part of the delivery address
Processing outgoing EDI Sub-System	None
ERP LN	The second part of the Address from ERP LN table field tccom130.namd is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tccom130.namd

Position	14	Field Format	an..30	Field Status	C

Field Name	**City 2**

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

Position	15	Field Format	an..10	Field Status	C

Field Name	**ZIP / Postal Code**

Description	This field contains the ZIP or postal code referring to the delivery address
Processing outgoing EDI Sub-System	None
ERP LN	The ZIP Code from ERP LN table field tccom130.pstc is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tccom130.pstc

Position	16	Field Format	an..2	Field Status	C

Field Name		State / Province			

Description	This field contains the State / province information referring to the delivery address
Processing outgoing	
EDI Sub-System	None
ERP LN	The State / province from ERP LN table field tccom130.cstc is mapped to this position.
Processing Incoming	
EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tccom130.cstc

Position	17	Field Format	an..32	Field Status	C

Field Name		Telephone			

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

Position	18	Field Format	an..15	Field Status	C

Field Name		Telex			

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

Position	19	Field Format	an..32	Field Status	C

Field Name	__Fax__

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	__GEO Code__

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	__House Number__

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	P.O. Box Number

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	City Description

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	City Code

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		**Data Record end sign**			

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	cisli305.tran			
5	Invoice Document Number	O/I	M	n..6	cisli305.idoc		tfacp200.isup	
6	Order Number	O/I	M	an..9	cisli310.orno			
7	Header text 1		C	an..80	cisli310.htxt		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		**Kind of Data Record**		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		**Message Reference**		Key field Out / IN	

Description	This field identifies all connected data records of one invoice. The numbering, which has to be clear by 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		**Net ID of sender**		**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		**Transaction Type**		**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 cisli305.tran 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 cisli305.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>**		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 cisli310.orno and is mapped to this position.
Processing Incoming	
EDI Sub-System	
ERP LN	

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 cisli310.htxt to position.
Processing Incoming	Transmission of the value from the transmission file.
EDI Sub-System	
ERP LN	Mapping to ERP LN table field tfacp200.text

Position	8	Field Format	an..80	Field Status	C
Field Name		**Invoice Header Text 2**			

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		**Data Record end sign**			

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 Tax Lines

Status:	Conditional
Frequency:	Multiple by invoice
Description:	This data record contains the tax information of the Invoice 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	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	cisli305.tran			
5	Invoice Document Number	O/I	M	n..6	cisli305.idoc		tfacp200.isup	
6	Order Number	O/I	M	an..9	cisli310.orno			
7	Tax Code		C	an..10	cisli315.txid	Code and Conversion	tfgld102.cvat	Code and Conversion
8	Qualifier Tax Code		M	an..3	"ZZ"		"ZZ"	
9	Tax Base Amount in Invoice Curr.		C	n..15	cisli315.tbai		tfgld102.amnt	
10	Tax Amount in Invoice Currency		C	n..15	cisli315.txai		tfgld102.vamt	
11	Data Record End Sign	O/I	M	an7	SA5_END		SA5_END	

Detailed description: Invoice

Kind of data record: SA5 Tax Lines

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

Description	This field identifies the kind of data record 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		**Message Reference**		**Key field Out / IN**	

Description	This field identifies all connected data records of one invoice. The numbering, which has to be clear by 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		**Net ID of sender**		**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		**Transaction Type**		**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 cisli305.tran to this position.
Processing Incoming EDI Sub-System	
ERP LN	

Position	5	Field Format	n..6	Field Status	M
Field Name		**Invoice Document Number**		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 cisli305.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		**Order Number**		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 cisli310.orno and is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	7	Field Format	an..10	Field Status	C
Field Name		**Tax Code**			

Description   This field contains the tax code.

Processing outgoing
EDI Sub-System

ERP LN   The tax code from ERP LN table field cisli315.txid is mapped to this position and converted with ERP LN table ecedi446.

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

ERP LN   Mapping to ERP LN table field tfgld102.cvat

Position	8	Field Format	an..3	Field Status	C
Field Name		**Qualifier Tax Code**			

Description	This field contains the qualifier for the tax code.
Processing outgoing	
EDI Sub-System	None
ERP LN	This field will be filled with "ZZ".
Processing Incoming	
EDI Sub-System	Transmission of the value from the message file.
ERP LN	Used as qualifier for the conversion of the tax code; in general "ZZ" is used.

Position	9	Field Format	n..15	Field Status	C
Field Name		**Tax Base Amount** **in Invoice Currency**			

Description	This field contains the tax base amount related to the complete invoice in invoice currency.
Processing outgoing	
EDI Sub-System	None
ERP LN	The tax base amount in invoice currency of the sales invoice from ERP LN table field cisli315.tbai 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 tfgld102.amnt

Position	10	Field Format	n..15	Field Status	C
Field Name		**Tax Amount** **in Invoice Currency**			

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 cisli305.txai 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 tfgld102.vamt

Position	11	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

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

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	SA6		SA6	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Sales Invoice Transaction Type	O	M	an..3	cisli305.tran			
5	Invoice Document Number	O/I	M	n..6	cisli305.idoc		tfacp200.isup	
6	Order Number	O/I	M	an..9	cisli310.orno			
7	Invoice Line Number		M	n..5	cisli310.pono			
8	Invoice Line Sequence Number		M	n..5	cisli310.line			
9	Customer Order Position		C	an..16 n..5	cisli245.corp		tfacp240.pono	
10	Customer Order Sequence		C	n..5 an..11	cisli245.cors		tfacp240.sqnb	
11	Qualifier Item Code		M	an..6	ecedi011.code / SA		SA	

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	cisli310.item	Conversion	tfacp240.item	Conversion
13	Description of the Item	C	an..30	tcibd001.dsca			
14	Supplier's Item Code	C	an..47	cisli310.item	Conversion		
15	Ship-to Business Partner	C	an..20	cisli305.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	cisli310.dqua		tfacp250.iqan	
20	Quantity Unit	C	an..3	cisli310.cuqs	Code and Conversion	tfacp240.unit	Code and Conversion
21	Price	C	n..15	cisli310.pric			
22	Price Unit	C	an..3	cisli310.cups	Code and Conversion		
23	Delivery Date	C	n..14	cisli310.ddat			
24	Amount in Invoice Currency	C	n..15	cisli310.slai		tfacp250.iamt	
25	Shipment	C	an..9	cisli245.shpm			
27	Line Discount Amount	C	n..15	cisli310.ldai			
28	Tax Exemption Reason Code	C	an..6	cisli310.rcod	Code and Conversion		
29	Tax Exemption Certificate Number	C	an..20	cisli310.ceno			
30	Sales Order Line Sequence	M	n..5	tdsls401.sqnb		tfacp250.sqnb	
35	Data record end sign	M	an..7	SA6_END		SA6_END	

Detailed description: Invoice

Kind of data record: SA6 Invoice Lines

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

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA6'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA6'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA6'.
ERP LN	None

Position	2	Field Format	an..35	Field Status	M
Field Name		**Message Reference**		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		**Net ID of sender**		**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		**Transaction Type**		**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 cisli305.tran 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 cisli305.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	C
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 cisli310.orno and is mapped to this position.
Processing Incoming	
EDI Sub-System	
ERP LN	

Position	7	Field Format	n..5	Field Status	M

Field Name	Invoice Line Number

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 cisli310.pono is mapped
                             to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	8	Field Format	n..5	Field Status	M

Field Name	Invoice Line Sequence Number

Description   This field contains the Invoice Line Sequence Number.

Processing outgoing
EDI Sub-System   None

ERP LN   The invoice sequence number from ERP LN table cisli310.line is mapped
                             to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	9	Field Format	an..16/n..5	Field Status	M
Field Name		**Customer Order Position**			

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	10	Field Format	an..1/n..5	Field Status	M
Field Name		**Customer Order Sequence**			

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	11	Field Format	an..6	Field Status	C
Field Name		**Qualifier Item Code**			

Description   This field contains the qualifier for the item code. The constant value 'SA'
                                     indicates, that the supplier item codes are used. '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   "SA".

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

Position	12	Field Format	an..47	Field Status	C
Field Name		**Buyer's Item Code**			

Description   This field contains the Buyer's item code.

Processing outgoing
EDI Sub-System

ERP LN   The item code from ERP LN table field cisli310.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		**Description of the item**			

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		**Supplier's Item Code**			

Description	This field contains the Supplier item code.
Processing outgoing EDI Sub-System	
ERP LN	The supplier item code from ERP LN table field cisli310.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		**Ship-to BP**			

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 cisli310.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	Qualifier Address Code ID

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	Address/ BP Code

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 cisli310.dqua is mapped to
this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	20	Field Format	an..3	Field Status	C
Field Name		**Quantity Unit**			

Description	This field contains the quantity unit of the item.
Processing outgoing EDI Sub-System	
ERP LN	The unit from ERP LN table field cisli310.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		**Price**			

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 cisli310.pric is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	

Position	22	Field Format	an..3	Field Status	C
Field Name		**Price Unit**			

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 cisli310.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		**Delivery Date**			

Description — This field contains the delivery date.

Processing outgoing
EDI Sub-System

ERP LN — The delivery date from ERP LN table field cisli310.ddat is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	24	Field Format	n..15	Field Status	C
Field Name		**Amount in Invoice Currency**			

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 cisli310.slai 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 tfacp250.iamt.

Position	25	Field Format	an..9	Field Status	C
Field Name		**Shipment**			

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	27	Field Format	n..15	Field Status	C
Field Name		**Line Discount Amount**			

Description   This field contains the line discount amount.

Processing outgoing
EDI Sub-System

ERP LN   The line discount amount from ERP LN table field cisli310.ldai is mapped
                                   to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	28	Field Format	an..6	Field Status	C
Field Name		**Tax Exemption Reason Code**			

Description   This field contains the exempt reason.

Processing outgoing
EDI Sub-System   None

ERP LN   The exempt reason is mapped from ERP LN table cisli310.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		**Tax Exemption Certificate No.**			

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 cisli310.ceno to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	30	Field Format	n..5	Field Status	M
Field Name		**Invoice Sequence Number**			

Description   This field contains the Invoice Sequence Number.

Processing outgoing
EDI Sub-System   None

ERP LN   The invoice sequence number from ERP LN table tdsls401.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	35	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

Description   This field identifies the end of data record in the message block. It contains the constant value 'SA6_END'.

Processing outgoing
EDI Sub-System

ERP LN   This field will be filled with the constant value 'SA6_END'.

Processing Incoming
EDI Sub-System

                                This field will be filled with the constant value 'SA6_END'.

ERP LN   None

SA7 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 SA6.

	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	cisli305.tran			
5	Invoice Document Number	O/I	M	n..6	cisli305.idoc			
6	Order Number	O/I	M	an..9	cisli310.orno			
7	Invoice Line Number	O/I	M	n..5	cisli310.pono			
8	Invoice Sequence Number	O/I	M	n..5	cisli310.line			
9	Detail Text		C	an..80	cisli310.dtxt			
15	Data Record End Sign	O	M	an7	SA7_END			

Detailed description: Invoice

Kind of data record: SA7 Invoice Line Text data

Position	1	Field Format	an3	Field Status	M
Field Name		**Kind of Data Record**		**Key field Out**	

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		**Message Reference**		**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 SA6
Processing Incoming EDI Sub-System	
ERP LN	

Position	**3**	**Field Format**	**an..17**	**Field Status**	**M**
Field Name		**Net ID of sender**		**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 SA6
Processing Incoming EDI Sub-System	
ERP LN	

Position	**4**	**Field Format**	**an..3**	**Field Status**	**M**
Field Name		**Transaction Type**		**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 cisli305.tran to this position.
Processing Incoming EDI Sub-System	
ERP LN	

Position	5	Field Format	n..6	Field Status	M
Field Name		**Invoice Document Number**		**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 cisli305.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		**Order Number**		**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 cisli310.orno and is mapped to this position.

Processing Incoming

EDI Sub-System

ERP LN

Position	7	Field Format	n..5	Field Status	M
Field Name		**Invoice Line Number**		**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 cisli310.pono is mapped to this position.
Processing Incoming	
EDI Sub-System	
ERP LN	

Position	8	Field Format	n..5	Field Status	M
Field Name		**Invoice Sequence Number**		**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 cisli310.line 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		**Detail Text**			

Description	This field contains a free text with a maximum of 80 characters.
Processing outgoing EDI Sub-System	
ERP LN	Mapping of ERP LN table field cisli310.dtxt to position.
Processing Incoming EDI Sub-System	
ERP LN	

Position	15	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

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	

SA8 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 SA6.

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	SA8			
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	cisli305.tran			
5	Invoice Document Number	O/I	M	n..6	cisli305.idoc			
6	Order Number	O/I	M	an..9	cisli310.orno			
7	Invoice Line Number	O/I	M	n..5	cisli310.pono			
8	Invoice Sequence Number	O/I	M	n..5	cisli310.line			

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	

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[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	SA8_END	

Detailed description: Invoice

Kind of data record: SA8 Invoice Line's Specific Delivery Address

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

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA8'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA8'.
Processing Incoming EDI Sub-System	
ERP LN	

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

Description	This field identifies all connected data records of one invoice. The numbering, which has to be clear by 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 SA6
Processing Incoming EDI Sub-System	
ERP LN	

Position	3	Field Format	an..17	Field Status	M
Field Name		**Net ID of sender**		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 SA6
Processing Incoming	
EDI Sub-System	
ERP LN	

Position	4	Field Format	an..3	Field Status	M
Field Name		**Transaction Type**		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 cisli310.tran to this position.
Processing Incoming	
EDI Sub-System	
ERP LN	

Position	5	Field Format	n..6	Field Status	M
Field Name		**Invoice Document Number**		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 cisli305.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		**Order Number**		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 cisli310.orno and is mapped to this position.
Processing Incoming	
EDI Sub-System	
ERP LN	

Position	7	Field Format	n..5	Field Status	M
Field Name		**Invoice Line Number**		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 cisli310.pono is mapped
                                     to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	8	Field Format	n..5	Field Status	M
Field Name		**Invoice Sequence Number**		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 cisli310.line is mapped
                                     to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	9	Field Format	an..6	Field Status	C
Field Name		**Address / BP Code**			

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 SA8 are depending on the evaluation expression INVLND.

Position	10	Field Format	an..3	Field Status	C
Field Name		**Country**			

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		**Name**			

Description	This field contains the first part of Name
Processing outgoing	
EDI Sub-System	None
ERP LN	The First part of the Name from ERP LN table field tccom130.nama is mapped to this position.
Processing Incoming	
EDI Sub-System	
ERP LN	

Position	12	Field Format	an..30	Field Status	C
Field Name		**Name 2**			

Description	This field contains the second part of name
Processing outgoing	
EDI Sub-System	None
ERP LN	The second part of the Name from ERP LN table field tccom130.namb is mapped to this position.
Processing Incoming	
EDI Sub-System	
ERP LN	

Position	13	Field Format	an..14	Field Status	C
Field Name		**Address**			

Description   This field contains the fist 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		**Address 2**			

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	City 2

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	ZIP / Postal Code

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		**State / Province**			

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

Processing outgoing
EDI Sub-System   None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	19	Field Format	an..32	Field Status	C

Field Name		**Telephone**			

Description   This field contains the telephone number

Processing outgoing
EDI Sub-System   None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	20	Field Format	an..15	Field Status	C
Field Name		**Telex**			

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		**Fax**			

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		**GEO Code**		**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		**House Number**		**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		**P.O. Box Number**		**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		**City Description**		**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		**City Code**		**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		**Data Record end sign**			

Description   This field identifies the end of data record in the message block. It contains
                           the constant value 'SA8_END'.

Processing outgoing
EDI Sub-System

ERP LN   This field will be filled with the constant value 'SA8_END'.

Processing Incoming
EDI Sub-System

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

Appendix A
Sample File

<div style="text-align: right">A</div>

Example Outgoing message

"SA1";"ETN080714104259000000000000000000002";"ETN293";"PVZ";20080082;"293002099";"etcus1";"BEMIS";
"INV001";"";"";20080714;1042;"SA1_END"

"SA2";"ETN080714104259000000000000000000002";"ETN293";"PVZ";20080082;"293002099";"";20080714;20080714;
"";"";"";"";"";"";"";"030";"30days credit";30;0;0;;;"";"ETCUS1";"ZZ";"1";"ETCUS1";"ZZ";"ITBP";"ETCUS1";"ZZ";"PBBP";
"ETCUS1";"ZZ";"0";"EUR";20080714;160.76;136;0;0;136;;"ETCUS1";;24.76;"";"SA2_END"

"SA3";"ETN080714104259000000000000000000002";"ETN293";"PVZ";20080082;"293002099";"1";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";
"";"103";"";;"Amsterdam";"AMS";;"SA3_END"

"SA3";"ETN080714104259000000000000000000002";"ETN293";"PVZ";20080082;"293002099";"ITBP";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";
"";"103";"";;"Amsterdam";"AMS";;"SA3_END"

"SA3";"ETN080714104259000000000000000000002";"ETN293";"PVZ";20080082;"293002099";"PBBP";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";
"";"103";"";;"Amsterdam";"AMS";;"SA3_END"

"SA3";"ETN080714104259000000000000000000002";"ETN293";"PVZ";20080082;"293002099";"0";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";
"";"103";"";;"Amsterdam";"AMS";;"SA3_END"

"SA4";"ETN080714104259000000000000000000002";"ETN293";"PVZ";20080082;"293002099";"Header Text SO
2097";"from customer ETCUS1";"SA4_END"

```
"SA5";"ETN08071410425900000000000000000002";"ETN293";"PVZ";20080082;"293002099";"HIGH";"ZZ";100;19;
"SA5_END"

"SA5";"ETN08071410425900000000000000000002";"ETN293";"PVZ";20080082;"293002099";"VAT";"ZZ";36;5.76;
"SA5_END"

"SA6";"ETN08071410425900000000000000000002";"ETN293";"PVZ";20080082;"293002099";10;0;"";"";"BP";
"      ETSOT";"ET Sales Order Test";"      ETSOT";"ETCUS1";"ZZ";"0";2;2;"pcs";50;"pcs";20080714;100;
"WHS009913";0;0;"";"";"SA6_END"

"SA6";"ETN08071410425900000000000000000002";"ETN293";"PVZ";20080082;"293002099";20;0;"";"";"BP";
"      HBPEDI1";"Purchase Item";"      HBPEDI1";"ETCUS1";"ZZ";"0";2;2;"pcs";18;"pcs";20080714;36;
"WHS009913";0;0;"";"";"SA6_END"

"SA7";"ETN08071410425900000000000000000002";"ETN293";"PVZ";20080082;"293002099";10;0;
"Test text1 of order line 10";"";;;;;"SA7_END"

"SA7";"ETN08071410425900000000000000000002";"ETN293";"PVZ";20080082;"293002099";20;0;
"Test text21 of order line 20";"Test text22 of order line 20";;;;;"SA7_END"

"SA8";"ETN08071410425900000000000000000002";"ETN293";"PVZ";20080082;"293002099";10;0;"0";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";
"";"103";"";;"Amsterdam";;;;"AMS";"SA8_END"

"SA8";"ETN08071410425900000000000000000002";"ETN293";"PVZ";20080082;"293002099";20;0;"0";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";
"";"103";"";;"Amsterdam";;;;"AMS";"SA8_END"
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