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

**inFor**

be enterprising

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# About this Guide

**Objective**

This document describes the content and the corresponding structure of the EDI message "Trading Invoice (Tax on Line)", which is supported by Baan Electronic Message, the ERP LN in-house format.

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

- EDIFACT   INVOIC
- ANSI X12   810

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

The document contains the following chapters:

Chapter 1, "General Principles", provides a general introduction to the EDI in-house format for the Business Document type Trading Invoice (Tax on Line).

Chapter 2, "Data Record Description by Kind of Data Record", describes in detail the data records used for the EDI in-house format of EDI message Trading Invoice (Tax on Line).

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

Appendix A, "Sample File", provides a sample file for the outgoing message INV100.

## Intended audience

This document is intended for the following categories of users:

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

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

## References

The following documents might be of importance:

| No. | Document number | Title |
| --- | --- | --- |
| 1 | U8912A US | *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 (Tax on Line) (incoming/outgoing). When you transmit information about invoices, the use of the following types of data records is conditional (C) or respectively mandatory (M).

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

# Branching diagrams

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

Level

```
0    ┌────────┐
     │  SA1   │
     ├───┬────┤
     │ M │ 1  │
     └───┴────┘
```

Legend:

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

```
1    ┌────────┐   ┌────────┐   ┌────────┐
     │  SA2   │   │  SA3   │   │  SA4   │
     ├───┬────┤   ├───┬────┤   ├───┬────┤
     │ M │ 1  │   │ C │ R  │   │ C │ R  │
     └───┴────┘   └───┴────┘   └───┴────┘
```

```
2              ┌────────┐   ┌────────┐   ┌────────┐
               │  SA5   │   │  SA6   │   │  SA7   │
               ├───┬────┤   ├───┬────┤   ├───┬────┤
               │ M │ R  │   │ C │ R  │   │ C │ R  │
               └───┴────┘   └───┴────┘   └───┴────┘
```
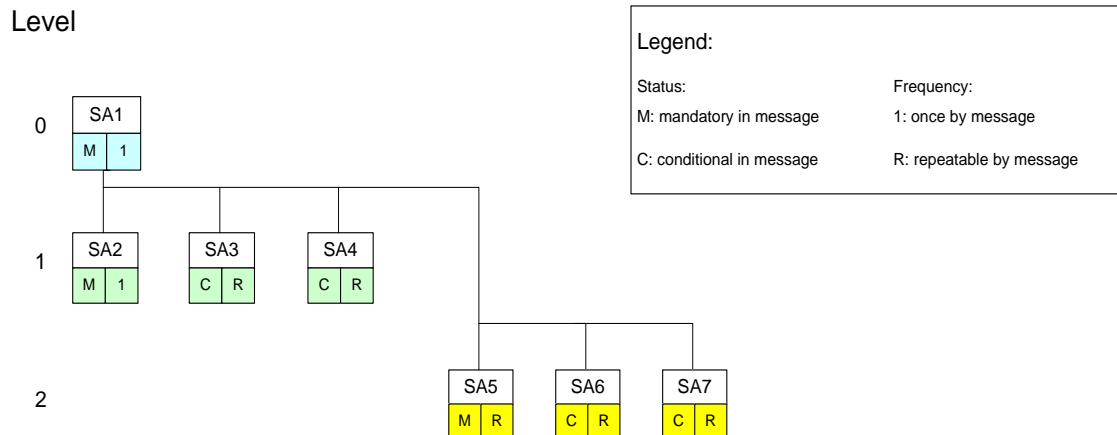
For example, two invoices with two lines each the BEMIS file has the following structure:

SA1 ... Message Overhead

    SA2 ... Invoice Header 1

    SA3 … Invoice Header 1 Addresses

    SA4 ... Invoice Header 1 Text

        SA5 ... Invoice Line Item 11

        SA6.... Invoice Line text

        SA7 … Line's Delivery Address

        SA5 ... Invoice Line Item 12

        SA6 ... Invoice Line text

        SA7 …Line's Delivery Address

SA1 ... Message Overhead

    SA2 ... Invoice Header 2

    SA3 … Invoice Header 2 Addresses

        SA5 ... Invoice Line Item 21

        SA6 ... Invoice Line text

SA5 ... Invoice Line Item 22

SA6 ... Invoice Line text

SA7 … Line's Delivery Address

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

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

# Key fields outgoing

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

| Sorted by key Kind Data Rec. | | key 1 | key 2 | key 3 | key 4 | key 5 | key 6 | key 7 |
|---|---|---|---|---|---|---|---|---|
| field 1 | Backpt. | | | | | | | |
| SA1 | | Message Reference | BP network ID | | | | | |
| SA2 | **1** | Message Reference | BP network ID | | | | | |
| SA3 | **2** | Message Reference | BP network ID | Transaction Type | Document Number | | | |
| SA4 | 2 | Message Reference | BP network ID | Transaction Type | Document Number | | | |
| SA5 | 2 | Message Reference | BP network ID | Transaction Type | Document Number | | | |
| SA6 | **6** | Message Reference | BP network ID | Transaction Type | Document Number | Sales/WH Order | Inv. Line Number | Sequence Number |
| SA7 | 6 | Message Reference | BP network ID | Transaction Type | Document Number | Sales/WH Order | Inv. Line Number | Sequence Number |

## Key fields incoming

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

| Sorted by key Kind Data Rec. | | key 1 | key 2 | key 3 | key 4 | key 5 | key 6 | key 7 |
|---|---|---|---|---|---|---|---|---|
| field 1 | Backpt | | | | | | | |
| SA1 | | Message Reference | BP network ID | | | | | |
| SA2 | **1** | Message Reference | BP network ID | | | | | |
| SA4 | 2 | Message Reference | BP network ID | Transaction Type | Document Number | | | |
| SA5 | 2 | Message Reference | BP network ID | Transaction Type | Document Number | | | |

## Business partner relations

The following table shows the business partner relations:

| Outgoing Sales Invoice | | Incoming Purchase Invoice | |
|---|---|---|---|
| ID of the sender | ecedi020.neta | Invoice-from BP Code | tfacp200.ifbp |
| Ship-to BP Code | cisli305.stbp cisli245.stbp | | |
| Invoice-to BP Code | cisli305.itbp | Invoice-from BP Code | tfacp200.ifbp |

## Network directories

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

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

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

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

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

- For a group of message types, such as invoices, one network directory can be used for outgoing messages and one can be used for incoming messages.

- Every business partner can use their own network directory, and the files would be able to contain data for several messages types.

Infor recommends the second possibility.

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

- /${BSE}/edi /bemis/invoice/

ERP LN will additionally create the following subdirectories:

- /${BSE}/edi /bemis /invoice/appl_from/

- /${BSE}/edi /bemis /invoice/appl_to/

- /${BSE}/edi /bemis /invoice/command/

- /${BSE}/edi /bemis /invoice/store_recv/

- /${BSE}/edi /bemis /invoice/store_sent/

- /${BSE}/edi /bemis /invoice/trace/

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

- **.../appl_from/:** In this directory, ERP LN records the outgoing messages that are the defined BEMIS in-house format files. The EDI Subsystem can collect them from here.

- **.../appl_to/:** The EDI Subsystem writes the incoming message into this directory in the ERP LN in-house format.

- **.../command/:** A directory of the semaphores.

- **.../store_recv/:** ERP LN stores processed incoming messages in this directory, if the corresponding EDI parameter is set in this way. During this process, an additional subdirectory by incoming message file is created; the subdirectory is named with a date and time stamp that indicates when the message was moved.

- **.../store_sent/:** ERP LN stores processed outgoing messages in this directory, if the corresponding EDI parameter is set in this way. During this process, an additional subdirectory by incoming message file is created; the subdirectory is named with a date and time stamp that indicates when the message was moved.

- **…/trace/:** ERP LN creates a log of the incoming messages and outgoing messages in the processing order in this directory, if the corresponding EDI parameter is set in this way.

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

| Direction | File Name | Network Directory |
| --- | --- | --- |
| outgoing | INV100 | /${BSE}/edi/bemis/invoice/appl_from |
| incoming | INV100 | /${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?

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

# Chapter 2
# Data Record Description by Type of Data Record

<div style="text-align: right">2</div>

## 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 | | | | | | | |
| 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 | 7 | Field Format | an..17 | Field Status | M |
|---|---|---|---|---|---|
| **Field Name** | | **<u>Net ID of Receiver</u>** | | | |

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

| Position | 8 | Field Format | an..6 | Field Status | M |
|---|---|---|---|---|---|
| **Field Name** | | **<u>Organization</u>** | | | |

| | |
|---|---|
| Description | This field contains the organization (Standard), which is used for the EDI communication. |
| Processing outgoing EDI Sub-System | |
| ERP LN | The internal organization code ecedi003.code 'BEMIS' from the ERP LN table ecedi003 'Organizations' is mapped to this position. |
| Processing Incoming EDI Sub-System | This field will be filled with the constant value 'BEMIS'. |
| ERP LN | Mapping to ERP LN table field ecedi702.orga. The corresponding Organization must have been entered into the ERP LN table ecedi003.None |

| Position | 9 | Field Format | an..6 | Field Status | M |
|----------|---|--------------|-------|--------------|---|
| **Field Name** | | **Message** | | | |

| | |
|---|---|
| Description | This field contains the code for the identification of the concerned message. The code for the message type 'Invoices' is INV100. |
| Processing outgoing EDI Sub-System | . |
| ERP LN | The internal message code ecedi001.code 'INV100' of the ERP LN table ecedi001 'Supported EDI messages' is mapped to this position. |
| Processing Incoming EDI Sub-System | This field will be filled with the constant value 'INV100'. |
| ERP LN | The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this Invoice. In the ERP LN table ecedi005 'EDI Messages' is determined for every message which session (DLL) is used in ERP LN to process the invoice. The message code is mapped to the ERP LN table field ecedi702.mess. |

| Position | 10 | Field Format | an..35 | Field Status | M |
|----------|----|--------------|--------|--------------|---|
| **Field Name** | | **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: | This 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 | cisli305.idoc | | tfacp200.isup | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | Sales / Warehouse Order Number | | C | an..9 | cisli310.orno | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |

Note: header row has 9 columns but first header cell "Field Description" spans, producing an extra column. Column headers left-to-right: Pos, Field Description, Key, ST, FM, Table field (out), Action (out), Table field (in), Action (in).

| | Invoice In-house Format | | | Mapping from Application Table Fields (out) | | Mapping to Application Table Fields (in) | |
|---|---|---|---|---|---|---|---|
| 15 | | | | | | | |
| 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.code / ZZ | | | |
| 28 | Address/ BP Code | C | an..6 | ecedi224.code / STBP | | | |
| 29 | Invoice-to BP | C | an..20 | cisli305.itbp | Code and Conversion | | |
| 30 | Qualifier Address Code | C | an..6 | ecedi218.code / ZZ | | | |
| 31 | Address/ BP Code | C | an..6 | ecedi224.code / ITBP | | | |
| 32 | Pay-from-BP | C | an..20 | cisli305.pfbp | Code and Conversion | | |
| 33 | Qualifier Address Code | C | an..6 | ecedi218.code / ZZ | | | |
| 34 | Address/ BP Code | C | an..6 | ecedi224.code / PFBP | | | |

| | Invoice In-house Format | | | Mapping from Application Table Fields (out) | | Mapping to Application Table Fields (in) | |
|---|---|---|---|---|---|---|---|
| 35 | Ship-to BP | C | an..20 | cisli305.stbp | Code and Conversion | | |
| 36 | Qualifier Address Code | C | an..6 | ecedi218.code / ZZ | | | |
| 37 | Address/ BP Code | C | an..6 | ecedi224.code / STBP | | | |
| 38 | Invoice Currency | C | an..6 | cisli305.ccur | Code and Conversion | tfacp200.ccur | Code and Conversion |
| 39 | Invoice date / time | C | n..14 | cisli305.idat | | tfacp200.docd | |
| 40 | Amount in Invoice Currency | C | n..15 | cisli205.amti | | tfacp200.amnt | |
| 41 | Goods Amount in Invoice Currency | C | n..15 | cisli205.gdai | | | |
| 42 | Cost Amount in Invoice Currency | C | n..15 | cisli205.csai | | | |
| 43 | Discount Amount in Invoice Curr. | C | n..15 | cisli205.dcai | | | |
| 44 | Tax Base Amount in Invoice Curr. | C | n..15 | cisli205.tbai | | | |
| 45 | Invoice-from BP | C | an..20 | | | tfacp200.ifbp | Code and Conversion |
| 46 | Qualifier Address Code | C | an..6 | | | ZZ | |
| 47 | Address/ BP Code | C | an..6 | | | IFPB | |
| 48 | Tax Amount in Invoice Currency | C | n..15 | cisli305.txai | | | |
| 49 | Shifted Tax Amount in Home Currency | C | an..27 | cisli205.stai | | | |
| 50 | Data Record End Sign | O/I M | an..7 | SA2_END | | SA2_END | |

Detailed description:          Invoice

Kind of data record:          SA2 Header

| Position | 1 | Field Format | an3 | Field Status | M |
|---|---|---|---|---|---|
| **Field Name** | | **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 | 8 | 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 | 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 cisli305.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 cisli205.dcai is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

| Position | 44 | Field Format | n..15 | Field Status | C |
|---|---|---|---|---|---|

| Field Name | **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 cisli205.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..6 | Field Status | C |
|---|---|---|---|---|---|
| **Field Name** | | **Qualifier Address Code** | | | |

| Description | This position contains the standard qualifier 1 for the Invoice from Business Partner. |
|---|---|
| Processing outgoing EDI Sub-System | |
| ERP LN | |
| Processing Incoming EDI Sub-System | |
| ERP LN | Use the code "ZZ" to identify the BP type. |

| Position | 47 | Field Format | an..6 | Field Status | C |
|---|---|---|---|---|---|
| **Field Name** | | **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 | |
| ERP LN | |

| Position | 49 | Field Format | an..27 | Field Status | C |
|---|---|---|---|---|---|

| Field Name | Shifted Tax Amount in Home Currency |
|---|---|

| Description | This field contains the Bank Reference related to the invoice. |
|---|---|
| Processing outgoing | |
| EDI Sub-System | None |
| ERP LN | The shifted tax amount from ERP LN table field cisli205.stai is mapped to this position. |
| Processing Incoming | |
| EDI Sub-System | |
| ERP LN | |

| Position | 50 | Field Format | an..7 | 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 '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 | | | | | | | | |
| 7 | Address/BP Code | | C | an..6 | ecedi224.code | Evaluation expression[1] INVOF | | |

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[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 | | | | | | | | |
| 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 | | | | | | | | |
| 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 | | | | | | | | |
| 7 | Address/BP Code | | C | an..6 | ecedi224.code | Evaluation expression[4] INVST | | |

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[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 | 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 |  |  |  |  |  |  |  |  |
| 7 | Header text 1 |  | C | an..80 | cisli240.text |  | tfacp200.text |  |
| 8 | Header text 2 |  | C | an..80 |  |  | tfacp200.text |  |
| 9 | Data Record End Sign | O/I | M | an7 | SA4_END |  | SA4_END |  |

Detailed description:              Invoice

Kind of data record:              SA4 Invoice Header Text

| Position | 1 | Field Format | an3 | Field Status | M |
|---|---|---|---|---|---|
| **Field Name** | | **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** | | **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 | 7 | Field Format | an..80 | Field Status | C |
|---|---|---|---|---|---|
| **Field Name** | | **Invoice Header Text 1** | | | |

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

Processing outgoing
EDI Sub-System

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

Processing Incoming                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 Line

| | |
|---|---|
| Status: | Mandatory |
| Frequency: | Multiple by invoice number |
| Description: | This data records contain information about the invoiced items; it is related to SA2. |

| Invoice In-house Format | | | | Mapping from Application Table Fields (out) | | Mapping to Application Table Fields (in) | |
|---|---|---|---|---|---|---|---|
| Pos | Field Description | Key | ST | FM | Table field | Action | Table field | Action |
| 1 | Kind of data record | O/I | M | an3 | SA5 | | SA5 | |
| 2 | Message Reference | O/I | M | an..35 | ecedi701.bano | Generation (see below) | ecedi702.bano | Generation by EDI Sub-System |
| 3 | Net ID of Sender | O/I | M | an..17 | ecedi020.neta | Conversion (see below) | ecedi702.bpid | Conversion (see below) |
| 4 | Sales Invoice Transaction Type | O | M | an..3 | cisli305.tran | | | |
| 5 | Invoice Document Number | O/I | M | n..6 | cisli305.idoc | | tfacp200.isup | |
| 6 | Order Number | | M | an..9 | cisli310.orno | | | |
| 7 | Invoice Line Number | | M | n..5 | cisli310.pono | | | |
| 8 | Invoice Line Sequence | | M | n..5 | cisli310.line | | | |
| 9 | Customer Order Number | | C | an..9 | cisli245.corn | | tfacp240.orno | |
| 10 | Customer Order Position | | C | an..16 n..5 | cisli245.corp | | tfacp240.pono | |
| 11 | Customer Order Sequence | | C | n..5 an..11 | cisli245.cors | | tfacp240.sqnb | |

| | Invoice In-house Format | | | Mapping from Application Table Fields (out) | | Mapping to Application Table Fields (in) | |
|---|---|---|---|---|---|---|---|
| 12 | Buyer's Item Code or EAN Item Code | C | an..47 | 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 | Sales / Purchase 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 | | | | | | | |
| 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 | Tax Code | C | an..10 | cisli315.txid | Code and Conversion | tfgld102.cvat | Code and Conversion |
| 31 | Amount in Invoice Currency | C | n..15 | cisli310.slai | | tfgld102.amnt | |
| 32 | Tax Amount in Invoice Currency | C | n..15 | cisli310.txai | | tfgld102.vamt | |

| Invoice In-house Format | | | | Mapping from Application Table Fields (out) | Mapping to Application Table Fields (in) |
|---|---|---|---|---|---|
| 33 | First Reference | C | an..30 | cisli310.refa | |
| 34 | Second Reference | C | an..20 | cisli310.refb | |
| 35 | Order Date | C | n..14 | cisli310.odat | |
| 36 | Header Entry Date | C | n..14 | cisli310.odat | |
| 37 | Forwarding Agent | C | an..20 | cisli240.cfrw | |
| 38 | Description | C | an..30 | tcmcs080.dsca | |
| 39 | Terms of Delivery | C | an..6 | cisli310.cdec | |
| 40 | Description | C | an..30 | tcmcs041.dsca | |
| 41 | Code in Message | C | an..6 | ecedi224.code | |
| 42 | | | | | |
| 43 | Qualifier Item Code | M | an..6 | | |
| 44 | Sales Order Line Sequence | M | n..5 | tdsls401.sqnb | tfacp250.sqnb |
| 45 | Data record end sign | M | an..7 | SA5_END | SA5_END |

Detailed description: Invoice

Kind of data record: SA5 Invoice Lines

| Position | 1 | Field Format | an3 | Field Status | M |
|---|---|---|---|---|---|
| **Field Name** | | **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 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 | M |
|---|---|---|---|---|---|
| **Field Name** | | **<u>Order Number</u>** | | | |

Description                              This field contains the Order Number

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

ERP LN                                 The sales order or the warehouse order, from which the invoicing data was
                                            generated, is stored in the ERP LN table 'Sales and Warehouse Order
                                            Invoice Headers' in table field 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** | | | |

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

ERP LN                              ERP LN

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

| Description | This field contains the Customer Order Position. |
|---|---|
| Processing outgoing | |
| EDI Sub-System | None |
| ERP LN | The customer order number from ERP LN table field cisli245.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 tfacp240.orno |

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

| Description | This field contains the Customer Order Position. |
|---|---|
| Processing outgoing | |
| EDI Sub-System | None |
| ERP LN | The customer order position from ERP LN table field cisli245.corp is mapped to this position. |
| Processing Incoming | |
| EDI Sub-System | Transmission of the value from the message file. |
| ERP LN | Mapping to ERP LN table field tfacp240.pono |

| Position | 11 | Field Format | n..5/an..11 | Field Status | C |
|----------|----|----|----|----|----|
| **Field Name** | | **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 | 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                     None
EDI Sub-System

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

Processing Incoming
EDI Sub-System

ERP LN


| Position | 16 | Field Format | an..6 | Field Status | C |
|---|---|---|---|---|---|
| **Field Name** | | **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** | | **Ordered Quantity** | | | |

| 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** | | **Delivered Quantity** | | | |

| 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 | Transmission of the value from the message file. |
| ERP LN | Mapping to ERP LN table field tfacp250.iqan |

| Position | 20 | Field Format | an..3 | Field Status | C |
|---|---|---|---|---|---|
| **Field Name** | | **Sales / Purchase 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 | 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 | 26 | Field Format | n..15 | Field Status | C |
|---|---|---|---|---|---|
| **Field Name** | | **Order Discount Amount** | | | |

Description — This field contains the order discount amount.

Processing outgoing
EDI Sub-System

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

Processing Incoming
EDI Sub-System

ERP LN

| Position | 27 | Field Format | n..15 | Field Status | C |
|---|---|---|---|---|---|
| **Field Name** | | **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 | | 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 | 31 | 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 tfgld102.amnt.

| Position | 32 | Field Format | n..15 | Field Status | C |
|---|---|---|---|---|---|
| **Field Name** | | **Tax Amount in Invoice Currency** | | | |

Description

This field contains the tax amount invoice currency.

Processing outgoing
EDI Sub-System

None

ERP LN

The tax amount in invoice currency from ERP LN table field 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.vamt

| Position | 33 | 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 | 34 | 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 | 35 | 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 | 36 | 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 | 37 | 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 | 38 | 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 | 39 | 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 | 40 | 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 | 41 | 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 | 43 | 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 | This field will be filled with the constant value 'SA' or 'EAN', if the supplier |
| EDI Sub-System | item code or the EAN Code is used. |
| ERP LN | Used as qualifier for the conversion of the item code. |

| Position | 44 | Field Format | n..5 | Field Status | M |
|---|---|---|---|---|---|
| **Field Name** | | **Sales Order Line Sequence** | | | |

| | |
|---|---|
| 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 | 45 | 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 Text – Text Data

Status:          Conditional

Frequency:       Once by invoice

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

| Pos | Field Description | Key | ST | FM | Table field | Action | Table field | Action |
|-----|-------------------|-----|----|----|-------------|--------|-------------|--------|
| | Invoice In-house Format | | | | Mapping from Application Table Fields (out) | | Mapping to Application Table Fields (in) | |
| 1 | Kind of data record | O/I | M | an3 | SA6 | | | |
| 2 | Message Reference | O/I | M | an..35 | ecedi701.bano | Generation (see below) | | |
| 3 | Net ID of Sender | O/I | M | an..17 | ecedi020.neta | Conversion (see below) | | |
| 4 | Sales Invoice Transaction Type | O | M | an..3 | 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 | | | |
| | | | | | | | | |
| 10 | Data Record End Sign | O | M | an7 | SA6_END | | | |

Detailed description:  Invoice

Kind of data record:  SA6 Invoice Line Text data

| Position | 1 | Field Format | an3 | Field Status | M |
|---|---|---|---|---|---|
| **Field Name** | | **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 'SA6'. |
| Processing outgoing EDI Sub-System | |
| ERP LN | This field will be filled with the constant value 'SA6'. |
| Processing Incoming EDI Sub-System | |
| ERP LN | |

| Position | 2 | Field Format | an..35 | Field Status | M |
|---|---|---|---|---|---|
| **Field Name** | | **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 SA5 |
| 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 SA5 |
| 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. |

| 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; you could use only two text fields maximally. |
|---|---|
| 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 | 12 | 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 | |
| ERP LN | |

# SA7 Invoice Line's Specific Delivery Address

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

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

| | Invoice In-house Format | | | | Mapping from Application Table Fields (out) | | Mapping to Application Table Fields (in) | |
|---|---|---|---|---|---|---|---|---|
| Pos | Field Description | Key | ST | FM | Table field | Action | Table field | Action |
| 1 | Kind of data record | O/I | M | an3 | SA7 | | | |
| 2 | Message Reference | O/I | M | an..35 | ecedi701.bano | Generation (see below) | | |
| 3 | Net ID of Sender | O/I | M | an..17 | ecedi020.neta | Conversion (see below) | | |
| 4 | Sales Invoice Transaction Type | O | M | an..3 | 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 | |

---

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

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

Detailed description: Invoice

Kind of data record: SA7 Invoice Line's Specific Delivery Address

| Position | 1 | Field Format | an3 | Field Status | M |
|---|---|---|---|---|---|
| **Field Name** | | **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 '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 / IN | |

| | |
|---|---|
| Description | This field identifies all connected data records of one invoice. The numbering, which has to be clear by order, helps to control the chronological order of the invoices and the complete transmission. |
| Processing outgoing EDI Sub-System | |
| ERP LN | Refer to data record SA5 |
| Processing Incoming EDI Sub-System | |
| ERP LN | |

| Position | 3 | Field Format | an..17 | Field Status | M |
|---|---|---|---|---|---|
| **Field Name** | | **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 SA5 |
| 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 | 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 SA7 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** | | **<u>Name</u>** | | | |

Description                        This field contains  the first part of Name

Processing outgoing
EDI Sub-System                 None

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

Processing Incoming
EDI Sub-System

ERP LN

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

Description                        This field contains the second part of name

Processing outgoing
EDI Sub-System                 None

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

Processing Incoming
EDI Sub-System

ERP LN

| Position | 13 | Field Format | an..14 | Field Status | C |
|---|---|---|---|---|---|

| Field Name | 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 'SA7_END'.

Processing outgoing
EDI Sub-System

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

Processing Incoming
EDI Sub-System

ERP LN

# Chapter 3
# Definitions, Acronyms, and Abbreviations

3

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

# Appendix A
# Sample File

Example Outgoing message

"SA1";"ETN08071409125100000000000000000001";"ETN293";"PVZ";20080080;;"etc002";"BEMIS";"INV100";"";"";
20080714;0912;"SA1_END"

"SA2";"ETN08071409125100000000000000000001";"ETN293";"PVZ";20080080;;;;;;;;;;;;;"";"";"030";"30days credit";30;
0;0;;;"";"ETCUS2";"ZZ";"1";"ETCUS2";"ZZ";"ITBP";"ETCUS2";"ZZ";"PBBP";"ETCUS2";"ZZ";"0";"EUR";20080714;
160.76;136;0;0;136;;;;24.76;;"SA2_END"

"SA3";"ETN08071409125100000000000000000001";"ETN293";"PVZ";20080080;;"1";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";
"";"103";"";;"Amsterdam";"AMS";;"SA3_END"

"SA3";"ETN08071409125100000000000000000001";"ETN293";"PVZ";20080080;;"ITBP";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";
"";"103";"";;"Amsterdam";"AMS";;"SA3_END"

"SA3";"ETN08071409125100000000000000000001";"ETN293";"PVZ";20080080;;"PBBP";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";
"";"103";"";;"Amsterdam";"AMS";;"SA3_END"

"SA3";"ETN08071409125100000000000000000001";"ETN293";"PVZ";20080080;;"0";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";
"";"103";"";;"Amsterdam";"AMS";;"SA3_END"

"SA4";"ETN08071409125100000000000000000001";"ETN293";"PVZ";20080080;;;;"SA4_END"

"SA5";"ETN080714091251000000000000000000001";"ETN293";"PVZ";20080080;"293002093";10;0;"";"";"";
"      ETSOT";"ET Sales Order Test";"      ETSOT";"ETCUS2";"ZZ";"0";2;2;"pcs";50;"pcs";20080714;;"WHS009909";
0;0;"";"";"HIGH";100;19;"";"";20080714;20080714;"";"";"";"";"0";;"BP";"SA5_END"

"SA5";"ETN080714091251000000000000000000001";"ETN293";"PVZ";20080080;"293002093";20;0;"";"";"";
"      HBPEDI1";"Purchase Item";"      HBPEDI1";"ETCUS2";"ZZ";"0";2;2;"pcs";18;"pcs";20080714;;"WHS009909";
0;0;"";"";"VAT";36;5.76;"";"";20080714;20080714;"";"";"";"";"0";;"BP";"SA5_END"

"SA6";"ETN080714091251000000000000000000001";"ETN293";"PVZ";20080080;"293002093";10;0;
"Test text1 of order line 10";"Test text2 of order line 10";;"SA6_END"

"SA6";"ETN080714091251000000000000000000001";"ETN293";"PVZ";20080080;"293002093";20;0;
"Test text21 of order line 20";"Test text22 of order line 20";;"SA6_END"

"SA7";"ETN080714091251000000000000000000001";"ETN293";"PVZ";20080080;"293002093";10;0;"0";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";"ETCUS2";"";"1018VN";"NH";"(0)20-6203239";
"";"(0)20-6268975";"";"103";"";;"Amsterdam";;;;"AMS";"SA7_END"

"SA7";"ETN080714091251000000000000000000001";"ETN293";"PVZ";20080080;"293002093";20;0;"0";"NLD";
"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";"ETCUS2";"";"1018VN";"NH";"(0)20-6203239";
"";"(0)20-6268975";"";"103";"";;"Amsterdam";;;;"AMS";"SA7_END"