

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

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# Contents

About this guide	5
Intended audience	5
References	6
Chapter 1 General Principles	7
Available types of data records	7
Branching diagrams	8
Key fields outgoing	10
Key fields incoming	11
Business partner relations	12
Network directories	12
ERP LN BEMIS messages – conventions	14
What is new in comparison to BEMIS for BAAN V?	16
Chapter 2 Data Record Description by Type of Data Record	17
SA1 Message Overhead	17
SA2 Invoice Header	25
SA3 Invoice Header Specific Addresses	47
SA4 Invoice Header Text – Text Data	65
SA5 Invoice Tax Lines	70
SA6 Invoice Line	75
SA7 Invoice Line Text – Text Data	
SA8 Invoice Line's Specific Delivery Address	94
Chapter 3 Definitions, Acronyms, and Abbreviations	107
Appendix A Sample File	109

Contents

# About this guide

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

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

- EDIFACT INVOIC
- ANSI X12 810
- VDA 4906

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

The document contains the following chapters:

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

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

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

Appendix A, "Sample File", provides a sample file for the outgoing message INV001.

## Intended audience

This document is intended for the following categories of users:

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

## References

The following documents might be of importance:

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

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

# Chapter 1 General Principles

# 1

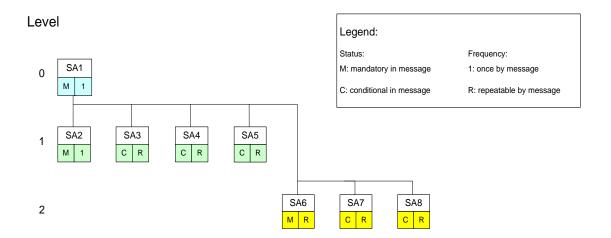
## Available types of data records

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

ID	Status	Name
SA1	Μ	Global Overhead
SA2	Μ	Invoice Header
SA3	С	Invoice Header Specific Addresses
SA4	С	Invoice Header Text
SA5	С	Tax Lines
SA6	Μ	Invoice Lines
SA7	С	Invoice Line's Text
SA8	С	Invoice Line's Specific Delivery Address

### Branching diagrams

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



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

#### SA1 ... ERP LN Envelop

- SA2 ... Invoice Header 1
- SA3 ... Invoice Header 1 Addresses
- SA4 ... Invoice Header 1 Text
  - SA6 ... Invoice Line Item 11
  - SA7.... Invoice Line text
  - SA8 ... Line's Delivery Address
  - SA6 ... Invoice Line Item 12
  - SA7 ... Invoice Line text
  - SA8 ... Line's Delivery Address

#### SA1 ... ERP LN Envelop

- SA2 ... Invoice Header 2
- SA3 ... Invoice Header 2 Addresses
  - SA6 ... Invoice Line Item 21
  - SA7 ... Invoice Line text

SA6 ... Invoice Line Item 22 SA7 ... Invoice Line text SA8 ... Line's Delivery Address

If an Invoice Line's Delivery Address (SA8) is not used for an item then the Invoice Header Address (SA4) is defaulted to the line's delivery address in ERP LN.

If an Invoice Line's Delivery Address (SA8) is used for an item then this delivery address is the valid address for this item.

## Key fields outgoing

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

Kind Da	ta Rec.	Key 1	Key 2	Key 3	Key 4	Key 5	Key 6	Key 7
field 1	Backpt.							
SA1		Message Reference	BP network ID					
SA2	1	Message Reference	BP network ID					
SA3	2	Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order		
SA4	2	Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order		
SA5	2	Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order		
SA6	2	Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order		
SA7	6	Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order	Inv. Line Numbe r	Sequence Number
SA8	6	Message Reference	BP network ID	Transaction Type	Document Number	Sales/WH Order	Inv. Line Numbe r	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 Da	ata Rec.	Key 1	Key 2	Key 3	Key 4	Key 5	Key 6	Key 7	
field 1	Backp t.								
SA1		Message Reference	BP network ID						
SA2	1	Message Reference	BP network ID						
SA3	2	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order			
SA4	2	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order			
SA5	2	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order			
SA6	2	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order			
SA7	6	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order	Inv. Line Number	Sequence Number	
SA8	6	Message Reference	BP network ID	Transaction Type	Document Number	Purchase Order	Inv. Line Number	Sequence Number	

## **Business partner relations**

The following table shows the business partner relations:

Outgoing Sales Invoid	ce	Incoming Purchase Invoice
ID of the sender	ecedi020.neta	Invoice-from BP Code tfacp200.ifbp
Ship-to BP Code	cisli305.stbp cisli310.stbp	
Invoice-to BP Code	ccisli305.itbp	Invoice-from BP Code tfacp200.ifbp

## Network directories

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

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

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

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

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

Infor recommends the second possibility.

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

• /\${BSE}/edi/bemis/invoice/

ERP LN will additionally create the following subdirectories:

- /\${BSE}/edi/bemis/invoice/appl\_from/
- /\${BSE}/edi/bemis/invoice/appl\_to/
- /\${BSE}/edi/bemis/invoice/command/
- /\${BSE}/edi/bemis/invoice/store\_recv/
- /\${BSE}/edi/bemis/invoice/store\_sent/
- /\${BSE}/edi/bemis/invoice/trace/

The above mentioned directories refer to one message type, "trading invoice". The directories have the following functions:

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

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

Direction	File Name	Network Directory		
outgoing	INV001	/\${BSE}/edi/bemis/invoice/appl_from		
incoming	INV001	/\${BSE}/edi/bemis/invoice/appl_to		

### **ERP LN BEMIS messages – conventions**

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

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

Empty numerical Position: "SAx"; ...; ; ...; "SAx\_END"

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

"SAx"; ...; ; ...; "SAx\_END" and "SAx"; ...; ""; ...; "SAx\_END"

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

INVOICE IN-HOUSE FORMAT							
Pos	Field description	Key	ST	FM			

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

Pos	Position of the field in the data record					
Field description	Description of the field					
Key	Key field outgoing (O) / incoming (I)					
ST	Field status mandatory (M) / conditional (C)					
FM	Field format, for example.					
	an14 = alphanumerical field with a maximum of 14 characters					
	an14 = alphanumerical field with exactly 14 characters					
	n10 = numerical field with a maximum of 10 characters					
	n1 = numerical field with exactly 1 character					

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

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

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

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

## What is new in comparison to BEMIS for BAAN V?

- New message structure: 8 Data Segments instead of 7 before
  - Each invoice line level use an separate text data record
- The item identification is done referring to the Alternative Item Code System by the only qualifier in ecedi232.code default value is "SA".

2

## SA1 Message Overhead

Status: Mandatory

Frequency: Once by invoice

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

	Invoice In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	М	an3	SA1		SA1	
2	Message Reference	O/I	М	an35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub- System
3	Net ID of Sender	O/I	М	an17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Sales Invoice Transaction Type		М	an3	cisli305.tran			
5	Invoice Document Number		М	an17	cisli305.idoc		ecedi702.msno	
6	Order Number		М	an9	cisli310.slso			
7	Net ID of Receiver		М	an17	ecedi028.neta	Conversion (see below)		

	Invoice In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
8	Organization	М	an6	ecedi003.code	Conversion (see below)	ecedi702.orga	Conversion (see below)
9	Message	М	an6	ecedi001.code	Conversion (see below)	ecedi702.mess	Conversion (see below)
10	Order Type	М	an35	ecedi011.koor	Conversion (see below)	ecedi702.koor	Conversion (see below)
11	Test Identifier	С	n1	""		ecedi702.test	
12	Date of transmission	М	n8 n14	current date		ecedi702.send	
13	Time of transmission	С	n6	current time			
14	Data record end sign	М	an7	SA1_END		SA1_END	

Data Record Description by Type of Data Record
--

Detailed description:	Invoice			
Kind of data record:	SA1 Me	ssage Overhead		
Position 1	Field Format	an3	Field Status	М
Field Name	Kind of Data Record	<u>t</u>	Key field Out / IN	
Description	This field identifies th contains the constan		ord in the message block.	lt
Processing outgoing EDI Sub-System				
ERP LN	This field will be filled	I with the constan	t value 'SA1'.	
Processing Incoming EDI Sub-System	This field will be filled	I with the constan	t value 'SA1'.	
ERP LN	None			

Position 2	Field Format	an14	Field Status	м
Field Name	Message Reference		Key field Out / IN	
Description	numbering, which has chronological order o The field consists of a	s to be clear b f the invoices a fix item with	ata records of one invoice y invoice, helps to control and the complete transmi four characters, the curren mber with four characters.	the ssion. nt date
	ERP LN table ecedi0 the EDI Sub-System,	20. When gen the created m s unique. Whil	n the network parameters erating the message refer ressage reference needs e storing the message ref fic.	rence with to be
Processing outgoing EDI Sub-System				
ERP LN	-		dentify an invoice, stores and writes it into all data re	
Processing Incoming EDI Sub-System	The EDI Sub-System writes it into all data r	0	s number to identify an invoice.	voice and
ERP LN	Mapping to ERP LN t	able field eced	di702.bano.	

Field Format an	17 I	Field Status	М
Net ID of sender	i	Key field Out / In	
This field contains the ider Number)	ntification of the	e sender (for example	the ILN
Transmission of the value	from the mess	age file.	
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.			
business partner (custome	er) and the net	work in the table eced	
	Net ID of sender         This field contains the ider         Number)         Transmission of the value to         The identification is stored         Identification' under the condition of the transmission file. The condition of the transmission file. Here, for your customer.         The identification of the set business partner (customer customer)	Net ID of sender         This field contains the identification of th         Number)         Transmission of the value from the mess         The identification is stored in the ERP LI         Identification' under the corresponding n         field ecedi020.neta. The content of this f         of the transmission file. Here you can sto         for your customer.         The identification of the sender determine         business partner (customer) and the net         'Relations by network'. This identification	Net ID of sender         Key field Out / In           This field contains the identification of the sender (for example Number)         Transmission of the value from the message file.           The identification is stored in the ERP LN table ecedi020 'Our Identification' under the corresponding network in the ERPLN field ecedi020.neta. The content of this field is mapped to the of the transmission file. Here you can store the general ILN-Nu for your customer.           The identification of the sender determines the corresponding business partner (customer) and the network in the table eced 'Relations by network'. This identification is mapped to the ERP

Position 4	Field Format	an3	Field Status	м	
Field Name	Sales Invoice Tra	ansaction Type	2		
Description	This field contains	This field contains the transaction type of the sales invoice			
Processing outgoing EDI Sub-System	Transmission of th	e value from th	e message file.		
ERP LN			e is stored in the ERP LN ta e field cisli305.tran and is m		
Processing Incoming EDI Sub-System					
ERP LN					

Position	5	Field Format	an17	Field Status	М
Field Name		Invoice Documer	t Number		
Description		This field contains the transaction type of the sales invoice			
Processing out EDI Sub-Syster	0 0	Transmission of the	e value from the	e message file.	
ERP LN				per is stored in the ERP LN e field cisli305.idoc and is m	
Processing Inc EDI Sub-Syster	-	Transmission of th	e value from the	e message file.	
ERP LN		Mapping to ERP L	N table field ec	edi702.msno	

Position 6	Field Format	an9	Field Status	М
Field Name	Order Number			
Description	This field contains	the Order Nur	nber	
Processing outgoing EDI Sub-System	) Transmission of th	e value from th	e message file.	
ERP LN	was generated, is	The sales order or the warehouse order, from which the invoicing data was generated, is stored in the ERP LN table 'Sales and Warehouse Order Invoice Headers' in table field cisli310.slso and is mapped to this position.		
Processing Incomine EDI Sub-System	g			
ERP LN				

Position	7	Field Format	an17	Field Status	М
Field Name		Net ID of Receive	<u>er</u>		
Description		This field contains	the identificatio	n of receiver.	
Processing out EDI Sub-Syster					
ERP LN			rk is entered in t	for example the ILN of the he table ecedi028. The EL ed to this position.	,
Processing Inco EDI Sub-Syster	•	Transmission of th	ne value from the	e message file.	

Position	7	Field Format	an17	Field Status	М
Field Name		Net ID of Receive	<u>er</u>		
ERP LN		On the incoming s	ide this field wil	l be ignored.	

Position 8	Field Format	an6	Field Status	М		
Field Name	<b>Organization</b>					
Description	This field contains EDI communicati	-	n (Standard), which is use	ed for the		
Processing outgoing EDI Sub-System						
ERP LN	•		edi003.code 'BEMIS' from ' is mapped to this position			
Processing Incoming EDI Sub-System	This field will be f	illed with the cor	nstant value 'BEMIS'.			
ERP LN			edi702.orga. The correspo ered into the ERP LN tabl	•		
Position 9	Field Format	an6	Field Status	м		
Field Name	Message					
Description			e identification of the conc age type 'Invoices' is INVC			
Processing outgoing EDI Sub-System						
ERP LN	The internal message code ecedi001.code 'INV001' of the ERP LN table ecedi001 'Supported EDI messages' is mapped to this position.					
Processing Incoming EDI Sub-System	This field will be f	illed with the cor	nstant value 'INV001'.			
ERP LN	The message code in the table ecedi001 'Supported EDI Messages'					

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	an35	Field Status	М		
Field Name	Order Type					
Description	This field contains	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				
	is filled with the E	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		ust be an entry f	edi702.koor. In the ERP Lt or this order type in conne nization.			

Position 11	Field Format	an1	Position	11
Field Name	Identifier of Test		Field Name	
Description		test messag	will identify incoming es. A test message is	0
Processing outgoing EDI Sub-System				
ERP LN	The position will be	filled with the	e ERP LN table field	ecedi003.test
Processing Incoming EDI Sub-System	Transmission of the	value from th	ne transmission file.	
ERP LN	Mapping to ERP LN	l table field e	cedi702.test.	

Position 12	Field Format	n8 / n14	Field Status	м			
Field Name	Date / Time of T	ransmission					
Description	invoice message contains the arriv	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 c	urrent date to the p	position.				
Processing Incoming EDI Sub-System	Entry of the arriva	al date / time of the	e message at the EDI Su	b-System.			
ERP LN	Mapping to ERP	LN table field eced	di702.send				

Position 13	Field Format	n6	Field Status	М
Field Name	Time of Transmis	ssion		
Description	This field contains invoice message v	•	ng side the current time, on w	hich the
Processing outgoing EDI Sub-System				
ERP LN	Mapping of the cu	rrent date / tin	ne to the position.	
Processing Incoming EDI Sub-System				
ERP LN	N. A.			

Position	14	Field Format	an7	Field Status	М		
Field Name		Data Record end	<u>sign</u>				
Description			This field identifies the end of data record in the message block. It contains the constant value 'SA1_END'.				
Processing out EDI Sub-Syste	0 0						
ERP LN		This field will be fi	lled with the c	onstant value 'SA1_END'.			
Processing Incoming EDI Sub-System This field will be filled with the constant value 'SA1_END'.							
ERP LN		None					

24 | Infor LN 10.4 Definition of BEMIS INV001 Import and Export File for Business Document Trading Invoice

## 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	М	an3	SA2		SA2	
2	Message Reference	O/I	Μ	an35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub- System
3	Net ID of Sender	O/I	М	an17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Sales Invoice Transaction Type		М	an3	cisli305.tran			
5	Invoice Document Number		М	n6	ccisli305.idoc		tfacp200.isup	
6	Order Number		С	an9	cisli310.orno			
7	Customer Order Number		С	an30 an9	cisli311;corn		tfacp200.orno	
8	Order Date		С	n14	cisli310.odat			
9	Header Entry Date		С	n14	cisli310.odat			
10	Reference A		С	an30	cisli310.refa			
11	Reference B		С	an20	cisli310.refb			
12	Terms of Delivery		С	an6	cisli310.cdec	Code and Conversion		
13	Description		С	an30	tcmcs041.dsca			

Infor LN 10.4 Definition of BEMIS INV001 Import and Export File for Business Document Trading Invoice | 25

	Invoice In-house Format		Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)		
14	Forwarding Agent Code	С	an20	cisli311;cfrw	Code and Conversion		
15	Description	С	an30	tcmcs080.dsca			
16	Late Payment Surcharge	С	an6	cisli305.ccrs	Code and Conversion	tfacp200.ccrs	Code and Conversion
17	Description	С	an30	tcmcs011.dsca			
18	Terms of Payment	С	an6	cisli305.cpay	Code and Conversion	tfacp200.cpay	Code and Conversion
19	Description	С	an30	tcmcs013.dsca			
20	Payment Period	С	n2	tcmcs013.pper			
21	Discount Period 1	С	n2	tcmcs013.disa			
22	Discount Percentage 1	С	an4	tcmcs013.prca			
25	Constant	С		"" (empty)			
26	Sold-to-BP	С	an20	cisli305.ofbp	Code and Conversion		
27	Qualifier Address Code	С	an6	ecedi218			
28	Address/ BP Code	С	an6	ecedi224.code			
29	Invoice-to BP	С	an20	cisli305.itbp	Code and Conversion		
30	Qualifier	С	an6	ecedi218			
31	Address/ BP Code	С	an6	ecedi224.code			
32	Pay-from-BP	С	an20	cisli305.pfbp	Code and Conversion		
33	Qualifier	С	an6	ecedi218			
34	Address/ BP Code	С	an6	ecedi224.code			

26 | Infor LN 10.4 Definition of BEMIS INV001 Import and Export File for Business Document Trading Invoice

	Invoice In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
35	Ship-to BP	С	an20	cisli305.stbp	Code and Conversion		
36	Qualifier	С	an6	ecedi218			
37	Address/ BP Code	С	an6	ecedi224.code			
38	Invoice Currency	С	an6	cisli305.ccur	Code and Conversion	tfacp200.ccur	Code and Conversion
39	Invoice date	С	n14	cisli305.idat		tfacp200.docd	
40	Amount in Invoice Currency	С	n15	cisli305.amti		tfacp200.amnt	
43	Discount Amount Invoice Currency	С	n15	cisli305.dcai			
45	Invoice-from BP	С	an20			tfacp200.ifbp	Code and Conversion
46	Pay-from-BP	С	an20	cisli305.pfbp		tfacp200.ptbp	
47	Qualifier	С	an6				
48	Tax Amount in Invoice Currency	С	n15	cisli305.txai		tfacp200.vati	
49	Bank Reference	С	an27	cisli305.bkrn		tfacp200.bkrn	
50	Data Record End Sign	O/I M	an7	SA2_END		SA2_END	

Data Record Des	cription by Type	of Data Record					
Detailed desc	cription:	Invoid	e				
Kind of data r	ecord:	SA2 H	SA2 Header				
Position	1	Field Format	an3	Field Status	М		
Field Name		Kind of Data Rec	ord	Key field Out / IN			
Description		This field identifies It contains the con		lata record in the messag SA2'.	e block.		
Processing o EDI Sub-Sys	• •						
ERP LN		This field will be fil	led with the c	onstant value 'SA2'.			
Processing I EDI Sub-Sys	•	This field will be filled with the constant value 'SA2'.					
ERP LN		None					
Position	2	Field Format	an35	Field Status	М		
Field Name		Message Referen	ice	Key field Out / IN			
Description		The numbering, w	hich has to be	d data records of one inv e clear by invoice, helps t of the invoices and the co	to		
Processing o EDI Sub-Sys							
ERP LN		Analogously to dat	ta record SA1				
Processing li EDI Sub-Sys	-						
ERP LN		Analogously to dat	ta record SA1				

Position	3	Field Format	an17	Field Status	М	
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.				e message file.		
ERP LN		Analogously to data	record SA1			
Processing Incor EDI Sub-System	•					
ERP LN		Analogously to data	record SA1			

Position 4	Field Format	an3	Field Status	М
Field Name	Transaction Typ	<u>be</u>		
Description	This field contair	is the Sales Ir	voice Transaction Type.	
Processing outgoing EDI Sub-System	None			
ERP LN	The transaction t cisli305.tran to th		d from ERP LN table field	
Processing Incoming EDI Sub-System				
ERP LN				

Position	5	Field Format	n6	Field Status	м	
Field Name		Invoice Document Number				
Description		This field contains	invoice doc	ument number.		
Processing outg EDI Sub-Systen	I Sub-System Transmission of the value from the message file.					
ERP LN The sales invoice document number is stored in table 'Invoice-Source Relations' in table field cis mapped to this position.						
Processing Inco EDI Sub-Systen	•	Transmission of th	ne value from	the message file.		
ERP LN		Mapping to ERP L	N table field	tfacp200.isup		

Position	6	Field Format	an9	Field Status	С	
Field Name		Order Number				
Description		This field contains	the Order Nu	ımber		
Processing out EDI Sub-Syste	0 0	•				
ERP LN	, , , , , , , , , , , , , , , , , , , ,					
Processing Inc EDI Sub-Syste	-					

ERP LN

Position 7	Field Format an30 / Field Status C an9
Field Name	Customer Order Number
Description	This field contains the Customer Order Number.
Processing outgoing EDI Sub-System	None
ERP LN	The customer order number from ERP LN field cisli311;corn is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to ERP LN table field tfacp200.orno

Position 8	Field Format	n14	Field Status	С
Field Name	Order Date / Time			
Description	This field contains the order is entered in the		e (YYYYMMDDHHMM	SS) the
Processing outgoing EDI Sub-System	None			
ERP LN	The order date / time mapped to this position	-	N table field cisli310.	odat is
Processing Incoming EDI Sub-System				

Position	8	Field Format	n14	Field Status	С	
Field Name		Order Date / Time				
ERP LN						
Position	9	Field Format	n14	Field Status	С	
Field Name		Header Entry Date	<u>/ Time</u>			
Description		This field contains the date / time (YYYYMMDDHHMMSS) the invoicing data was released to Central Invoicing.				
Processing outgo EDI Sub-System	-	None				
ERP LN		The header entry da mapped to this position		LN table field cisli310	odat is	
Processing Inco EDI Sub-System	-					
ERP LN						

Position 10	Field Format	an30	Field Status	С
Field Name	Reference A			
Description	This field contains th can be identified. Thi documents and lists.		•	
Processing outgoing EDI Sub-System	None			
ERP LN	The ERP LN table fie	eld cisli310.re	fa is mapped to this	position.
Processing Incoming EDI Sub-System				
ERP LN				

Position	11	Field Format	an20	Field Status	С
Field Name		Reference B			
Description		This field contains the se fill with extra information documents and lists.		•	
Processing outgo EDI Sub-System	ving	None			
ERP LN		The ERP LN table field	cisli310.re	fb is mapped to this po	sition
Processing Incom EDI Sub-System	ning				
ERP LN					

Position 12	2 Field Format	an6	Field Status	С
Field Name	Terms of Deliver	Y		
Description		ank the shipme	Term of Delivery. This ent. It contains a uniqu	
	You could use the EDIFACT notification or an own for example CFR = Cost and Freight CIF = Cost, Insurance and Freight DES = Delivered Ex Ship DDU = Delivered Duty Unpaid FCA = Free Carrier			nition,
Processing outgoin EDI Sub-System	ng None			
ERP LN		• • • •	d from ERP LN table r conversion with ERP	LN table
Processing Incomir EDI Sub-System	ng			
ERP LN				

Position 13	Field Format an30 Field Status C		
Field Name	Description (Term of Delivery)		
Description	This field contains the description of the code for the Term of Delivery. It is used in the outgoing messages only.		
Processing outgoing EDI Sub-System	None		
ERP LN	The description is mapped from the ERP LN Table field tcmcs041.dsca.		
Processing Incoming EDI Sub-System			
ERP LN			

Position 14	Field Format	an20	Field Status	С
Field Name	Forwarding Agent	Code		
Description	for this invoice. The	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		mapped to thi	nt of the invoice from s position and conve	
Processing Incoming EDI Sub-System	I			
ERP LN				

Position 15	Field Format an30 Field Status	С		
Field Name	Description (Forwarding Agent)			
Description	This field contains the description of the code for the Forwarding Agent. It is used in the outgoing messages only.			
Processing outgoing EDI Sub-System	None			
ERP LN	The description is mapped from the ERP LN Table field tcmcs080.dsca.			
Processing Incoming EDI Sub-System				
ERP LN				

Position 16	Field Format an6 Field Status	С	
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 tal field cisli305.ccrs is mapped to this position. A conversion has 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 converse with ERP LN table ecedi330.	sion	

Position 17	Field Format an30 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	an6	Field Status	С
Field Name		Terms of Payment			
Description		This field contains a Code for the Terms of Payment agreed upon with the relation.			
Processing out EDI Sub-Syster	0	None			
ERP LN		The Terms of Payment field cisli305.cpay is ma using the table ecedi466	pped to th		
Processing Inco EDI Sub-Syster	0	Transmission of the val	ue from th	ne message file.	
ERP LN		Mapping to the ERP LN via ERP LN table ecedi		d cisli240.cpay and conv	rersion

Position	19	Field Format	an30	Field Status	С	
Field Name		Description (Term of Payment)				
Description		eld contains the description of the code for the Term of ent. It is used in the outgoing messages only.				
Processing outo		None				
ERP LN		The description is mapped from the ERP LN Table field tcmcs013.dsca.				

Position	19	Field Format	an30	Field Status	С	
Field Name		Description (Term of Payment)				
Processing Incoming EDI Sub-System						
ERP LN						

Position 20	Field Format	n2	Field Status	С	
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	n2	Field Status	С	
Field Name	Discount Period 1				
Description This field contains the number of during the first discount percenta invoice amount. The period refer		ge can be subtracted f	from the		
Processing outgoing EDI Sub-System	None				
ERP LN	The period is mapped from ERP LN table tcmcs013.disa				
Processing Incoming EDI Sub-System					

Position 22	Field Format	an4	Position	22
Field Name	Discount Percentage 1		Field Name	
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 fro	om ERP I	_N table tcmcs0'	13.prca
Processing Incoming EDI Sub-System				
ERP LN				

Position	25	Field Format	Field Status	С	
Field Name		<u>Constant</u>			
Description		This position is used to send a constant value in the outgoing message.			
Processing outgo EDI Sub-System	0	None			
ERP LN		((7)			
Processing Incor EDI Sub-System	•				
ERP LN					

Position	26	Field Format	an20	Field Status	С
Field Name		Sold-to BP			
Description		The code of the Sold-to Business Partner. It is used in the outgoing messages only.			
Processing outgo EDI Sub-System	bing	None			
ERP LN		cisli305.ofbp is c	onverted using	om ERP LN table field g the conversion table ece nd is mapped to this posit	
Processing Incon EDI Sub-System	ning				

ERP LN

Position	26	Field Format	an20	Field Status	С
Field Name		Sold-to BP			
ERP LN					

Position 27	Field Format an6 Field Status C
Field Name	Qualifier Address Code
Description	This position is used to store the default qualifier 1 for the Address code which is defined in the message definition.
Processing outgoing EDI Sub-System	None
ERP LN	"ZZ"
Processing Incoming EDI Sub-System	
ERP LN	

Position	28	Field Format	an6	Field Status	С
Field Name		Address / BP Code			
Description		This position contains the standard qualifier 2 for the Sold-to Business Partner.			
Processing ou EDI Sub-Syste	• •	None			
ERP LN		The ERP LN table fie Address Code is map		code referring to the C position.	Qualifier
Processing Ind EDI Sub-Syste	0				

Position	29	Field Format	an20	Field Status	С
Field Name		Invoice-to BP			
Description		The code of the Invoice-to Business Partner. It is used in the outgoing messages only.			
Processing outgo EDI Sub-System	0	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.			edi420
Processing Incon EDI Sub-System	0				
ERP LN					

Position 30	Field Format an6 Field	l Status C
Field Name	Qualifier Address Code	
Description	This position is used to store the default Address code which is defined in the me	•
Processing outgoing EDI Sub-System	None	
ERP LN	"ZZ"	
Processing Incoming EDI Sub-System		
ERP LN		

Position	31	Field Format	an6	Field Status	С
Field Name		Address / BP Code			
Description		This position contains Business Partner.	the standa	rd qualifier 2 for the Inv	oice-to
Processing outgo EDI Sub-System	0	None			
ERP LN		The ERP LN table field Address Code is mapp		code referring to the Q position.	ualifier

Position	31	Field Format	an6	Field Status	С
Field Name		Address / BP Code			
Processing Ir EDI Sub-Syst					
ERP LN					

Position 32	Field Format	an20	Field Status	С
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	an6	Field Status	С
Field Name	Qualifier Address Code			
Description	This position is used to sto Address code which is de		•	
Processing outgoing EDI Sub-System	None			
ERP LN	"ZZ"			
Processing Incoming EDI Sub-System				
ERP LN				

Position	34	Field Format	an6	Field Status	С
Field Name		Address / BP Code			
Description		This position contains Business Partner.	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 fiel Address Code is map		5	Qualifier
Processing Inco EDI Sub-System	•				
ERP LN					

Position 35	5 Field Format	an20	Field Status	С	
Field Name	Ship-to BP				
Description		The code of the Ship-to Business Partner. It is used in the outgoing messages only.			
Processing outgoin EDI Sub-System	g None				
ERP LN	cisli305.stbp is	converted using	om ERP LN table field g the conversion table ece nd is mapped to this posit		
Processing Incomir EDI Sub-System	ng				
ERP LN					

Position	36	Field Format	an6	Field Status	С
Field Name		Qualifier Address C	ode		
Description		•		default qualifier 1for the the message definition.	
Processing outgoing EDI Sub-System		None			
ERP LN		"ZZ"			
Processing Incoming EDI Sub-System					

Position	36	Field Format	an6	Field Status	С
Field Name		Qualifier Address Code			
ERP LN					

Position	37	Field Format	an6	Field Status	С
Field Name		Address / BP Code			
Description		This position contains Business Partner.	the standa	rd qualifier 2 for the Sh	nip-to
Processing out	0 0	None			
ERP LN		The ERP LN table field Address Code is map		U	Qualifier

Processing Incoming EDI Sub-System	
ERP LN	

Position	38	Field Format	an6	Field Status	С
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		2		es invoice from ERP L is position and conver	
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	n14	Field Status	С
Field Name	Invoice Date / Time	<u>)</u>		
Description	This field contains th invoice is created in		(YYYYMMDDHHMM	SS) the
Processing outgoing EDI Sub-System	None			
ERP LN The invoice date / time from ERP LN table f mapped to this position.		LN table field cisli305	5.idat is	
Processing Incoming EDI Sub-System	Transmission of the	Transmission of the value from the message file.		
ERP LN	Mapping to the ERP LN table field tfacp200.docd.			

Position 40	Field Format	n15	Field Status C
Field Name	Amount in Invoice Cur	rency	
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 cisli305.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 43	Field Format n15 Field Status C
Field Name	<u>Discount Amount Invoice</u> <u>Currency</u>
Description	This field contains the discount amount related to the complete invoice in invoice currency. It is used in the outgoing messages only.
Processing outgoing EDI Sub-System	None
ERP LN	The discount amount in invoice currency of the sales invoice from ERP LN table field cisli305.dcai is mapped to this position.

Position	43	Field Format	n15	Field Status	С
Field Name		Discount Amount I Currency	nvoice		
Processing Incoming EDI Sub-System					
ERP LN					

Position 45	Field Formatan20Field StatusC		
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 convusing the conversion table ecedi363 and Address Code ID g in ecedi224, and it has to map to the EREP LN table field tfacp200.ifbp.		

Position 46	Field Format an20 Field Status C
Field Name	Address / BP Code
Description	This position contains the standard qualifier 1 for the Pay-to Business Partner.
Processing outgoing EDI Sub-System	None
ERP LN	The Code for the Pay-to BP from ERP LN table field cisli205.pfbp is converted using the conversion table ecedi420 and the default qualifier "ZZ" and is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	Use the code "ZZ" to identify the Invoice-to BP.

Position	47	Field Format	an6	Field Status	С					
Field Name		Address / BP Code	Address / BP Code							
Description		This position contains the from Business Partner.	e standar	rd qualifier 2 for the Invoic	e-					
Processing outgo EDI Sub-System	0	None								
ERP LN										
Processing Incor EDI Sub-System	•									
ERP LN Use the code "IFBP" to identify the Invoice-from BP.										

Position 48	Field Format n15 Field Status C						
Field Name	<u>Tax Amount in Invoice</u> <u>Currency</u>						
Description This field contains the tax amount related to the complete invoice in invoice currency.							
Processing outgoing EDI Sub-System None							
ERP LN The tax amount in invoice currency of the sales invoice for ERP LN table field cisli305.txai is mapped to this position							
Processing Incoming EDI Sub-System	Transmission of the value from the message file.						
ERP LN Mapping to the ERP LN table field tfacp200.vati							

Position	49	Field Format	an27	Field Status	С
Field Name		Bank Reference			
Description		This field contains th	e Bank Refer	ence related to the	e invoice.
Processing outgo EDI Sub-System	0	None			
ERP LN	Invoice from ERP s position.	LN table			
Processing Incor EDI Sub-System	-	Transmission of the	value from the	e message file.	

Position	Position 49 Field For		an27	Field Status	С		
Field Name		Bank Reference					
ERP LN		Mapping to the ERP LN table field tfacp200.bkm					

Position	50	Field Format	an7	Field Status	М		
Field Name		Data Record end	<u>sign</u>				
Description		This field identifies It contains the con		ata record in the messa SA2_END'.	ge block.		
Processing outg EDI Sub-Systen							
ERP LN		This field will be fil	This field will be filled with the constant value 'SA2_END'.				
Processing Inco EDI Sub-System	0	This field will be filled with the constant value 'SA2_END'.					
ERP LN		None	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-h	ouse Fo	ormat	t	Mapping from Table Fields (o		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	Μ	an3	SA3				
2	Message Reference	O/I	Μ	an35	ecedi701.bano	Generation (see below)			
3	Net ID of Sender	O/I	Μ	an17	ecedi020.neta	Conversion (see below)			
4	Sales Invoice Transaction Type	0	М	an3	cisli305.tran				
5	Invoice Document Number	O/I	М	n6	cisli305.idoc				
6	Order Number	O/I	М	an9	cisli310.orno				
7	Address/BP Code		С	an6	ecedi224.code	Evaluation expression <sup>1</sup> INVOF			

<sup>1</sup>INVOF = tccom100.inrl = tcyesno.no or (strip(cisli305.ofad) <> "" and cisli305.ofad <>tccom110.cadr)

	Invoice In-ho	use Format		Mapping from 7 Table Fields (or		Mapping to Application Table Fields (in)
8	Country	С	an3	tccom130.ccty	Code and conversion Evaluation INVOF	
9	Name	С	an35	tccom130.nama	Evaluation INVOF	
10	Name 2	С	an35	tccom130.namb	Evaluation INVOF	
11	Address	С	an30	tccom130.namc	Evaluation INVOF	
12	Address 2	С	an30	tccom130.namd	Evaluation INVOF	
13						
14	City 2	С	an30	tccom130.namf	Evaluation INVOF	
15	ZIP / Postal Code	С	an10	tccom130.pstc	Evaluation INVOF	
16	State / Province	С	an2	tccom130.cste	Evaluation INVOF	
17	Telephone	С	an32	tccom130.telp	Evaluation INVOF	
18	Telex	С	an15	tccom130.telx	Evaluation INVOF	
19	Fax	С	an32	tccom130.tefx	Evaluation INVOF	
20	GEO Code	С	an10	tccom130.geoc	Evaluation INVOF	
21	House number	С	an10	tccom130.hono	Evaluation INVOF	
22	P.O. Box Number	С	an10	tccom130.pobn	Evaluation INVOF	
23						
24	City Description	С	an30	tccom130.dsca	Evaluation INVOF	

	Invoice In-ho	ouse Fo	ormat		Mapping from Table Fields (or		Mapping to Application Table Fields (in)
25	City Code		С	an8	tccom130.ccit	Evaluation INVOF	
26							
27	Data Record End Sign	O/I	М	an7	SA3_END		

## Appearance Invoice-to-Address

	Invoice In-ho	ouse F	orma	t	Mapping from Table Fields (o		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	М	an3	SA3				
2	Message Reference	O/I	М	an35	ecedi701.bano	Generation (see below)			
3	Net ID of Sender	O/I	М	an17	ecedi020.neta	Conversion (see below)			
4	Sales Invoice Transaction Type	0	М	an3	cisli305.tran				
5	Invoice Document Number	O/I	М	n6	cisli305.idoc				
6	Order Number	O/I	М	an9	cisli310.orno				
7	Address/BP Code		С	an6	ecedi224.code	Evaluation expression <sup>2</sup> INVIT			

<sup>2</sup> INVIT = tccom100.inrl = tcyesno.no or (strip(cisli305.itoa) <> "" and cisli305.itoa <> tccom112.cadr)

	Invoice In-hou	se Format		Mapping from Table Fields (or	•••	Mapping to Application Table Fields (in)
8	Country	С	an3	tccom130.ccty	Code and conversion Evaluation INVIT	
9	Name	С	an35	tccom130.nama	Evaluation INVIT	
10	Name 2	С	an35	tccom130.namb	Evaluation INVIT	
11	Address	С	an30	tccom130.namc	Evaluation INVIT	
12	Address 2	С	an30	tccom130.namd	Evaluation INVIT	
13						
14	City 2	С	an30	tccom130.namf	Evaluation INVIT	
15	ZIP / Postal Code	С	an10	tccom130.pstc	Evaluation INVIT	
16	State / Province	С	an2	tccom130.cste	Evaluation INVIT	
17	Telephone	С	an32	tccom130.telp	Evaluation INVIT	
18	Telex	С	an15	tccom130.telx	Evaluation INVIT	
19	Fax	С	an32	tccom130.tefx	Evaluation INVIT	
20	GEO Code	С	an10	tccom130.geoc	Evaluation INVIT	
21	House number	С	an10	tccom130.hono	Evaluation INVIT	
22	P.O. Box Number	С	an10	tccom130.pobn	Evaluation INVIT	
23						

	Invoice In-ho	ouse Format	:	Mapping from Table Fields (or	• •	Mapping to Application Table Fields (in)
24	City Description	С	an30	tccom130.dsca	Evaluation INVIT	
25	City Code	С	an8	tccom130.ccit	Evaluation INVIT	
26						
27	Data Record End Sign	O/I M	an7	SA3_END		

## Appearance Pay-from-Address

	Invoice In-h	ouse Fo	orma	t	•••	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	Μ	an3	SA3				
2	Message Reference	O/I	М	an35	ecedi701.bano	Generation (see below)			
3	Net ID of Sender	O/I	Μ	an17	ecedi020.neta	Conversion (see below)			
4	Sales Invoice Transaction Type	0	М	an3	cisli305.tran				
5	Invoice Document Number	O/I	М	n6	cisli305.idoc				
6	Order Number	O/I	М	an9	cisli310.orno				

	Invoice In-hous	se Format	t	Mapping from <i>A</i> Table Fields (ou	••	Mapping to Application Table Fields (in)
7	Address/BP Code	С	an6	ecedi224.code	Evaluation expression <sup>3</sup> INVPF	
8	Country	С	an3	tccom130.ccty	Code and conversion / Evaluation INVPF	
9	Name	С	an35	tccom130.nama	Evaluation INVPF	
10	Name 2	С	an35	tccom130.namb	Evaluation INVPF	
11	Address	С	an30	tccom130.namc	Evaluation INVPF	
12	Address 2	С	an30	tccom130.namd	Evaluation INVPF	
13					Evaluation INVPF	
14	City 2	С	an30	tccom130.namf	Evaluation INVPF	
15	ZIP / Postal Code	С	an10	tccom130.pstc	Evaluation INVPF	
16	State / Province	С	an2	tccom130.cste	Evaluation INVPF	
17	Telephone	С	an32	tccom130.telp	Evaluation INVPF	
18	Telex	С	an15	tccom130.telx	Evaluation INVPF	
19	Fax	С	an32	tccom130.tefx	Evaluation INVPF	
20	GEO Code	С	an10	tccom130.geoc	Evaluation INVPF	

<sup>3</sup> INVPF = tccom100.inrl = tcyesno.no or (strip(cisli305.pfad) <> "" and cisli305.pfad <> tccom114.cadr)

52 | Infor LN 10.4 Definition of BEMIS INV001 Import and Export File for Business Document Trading Invoice

	Invoice In-ho	ouse Form	nat	Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
21	House number	С	an10	tccom130.hono	Evaluation INVPF	
22	P.O. Box Number	С	an10	tccom130.pobn	Evaluation INVPF	
23						
24	City Description	С	an30	tccom130.dsca	Evaluation INVPF	
25	City Code	С	an8	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)         1       Kind of data record       O/I       M an3       SA3 an3         2       Message Reference       O/I       M an35       ecedi701.bano (see below)       Generation (see below)         3       Net ID of Sender       O/I       M an17       ecedi020.neta conversion (see below)       Conversion (see below)         4       Sales Invoice Transaction Type       O       M an3       an3       cisli305.tran         5       Invoice Document Number       O/I       M       n6       cisli305.idoc         6       Order Number       O/I       M       an9       cisli310.orno							
data     an3       2     Message Reference     O/I     M     an35     ecedi701.bano     Generation (see below)       3     Net ID of Sender     O/I     M     an17     ecedi020.neta     Conversion (see below)       4     Sales Invoice Transaction Type     O     M     an3     cisli305.tran       5     Document Number     O/I     M     n6     cisli305.idoc		Kind of data recordO/I M anMessage ReferenceO/I M anMessage ReferenceO/I M anMessage ReferenceO/I M anSales Invoice TransactionO M an			at	•••	 
Reference     an35     (see below)       3     Net ID of Sender     O/I     M     an17     ecedi020.neta     Conversion (see below)       4     Sales Invoice Transaction Type     O     M     an3     cisli305.tran       5     Invoice Document Number     O/I     M     n6     cisli305.idoc       6     Order     O/I     M     an9     cisli310 orno	1	data	O/I	Μ	an3	SA3	
Sender     an17     (see below)       4     Sales Invoice Transaction Type     0     M     an3     cisli305.tran       5     Invoice Document Number     0/I     M     n6     cisli305.idoc       6     Order     0/I     M     an.9     cisli310 orpo	2	-	O/I	М	an35	ecedi701.bano	
4       Invoice Transaction Type       0       M       an3       cisli305.tran         5       Invoice Document Number       O/I       M       n6       cisli305.idoc         6       Order       O/I       M       an.9       cisli310 orpo	3		O/I	Μ	an17	ecedi020.neta	
5 Document O/I M n6 cisli305.idoc Number 6 Order O/I M an 9 cisli310.orno	4	Invoice Transaction	0	М	an3	cisli305.tran	
()/I M an 9 cisli 310 orno	5	Document	O/I	М	n6	cisli305.idoc	
	6		O/I	М	an9	cisli310.orno	

	Invoice In-hous	se Forma	t	Mapping from Table Fields (or		Mapping to Application Table Fields (in)
7	Address/BP Code	С	an6	ecedi224.code	Evaluation expression <sup>4</sup> INVST	
8	Country	С	an3	tccom130.ccty	Code and conversion Evaluation INVST	
9	Name	С	an35	tccom130.nama	Evaluation INVST	
10	Name 2	С	an35	tccom130.namb	Evaluation INVST	
11	Address	С	an30	tccom130.namc	Evaluation INVST	
12	Address 2	С	an30	tccom130.namd	Evaluation INVST	
13						
14	City 2	С	an30	tccom130.namf	Evaluation INVST	
15	ZIP / Postal Code	С	an10	tccom130.pstc	Evaluation INVST	
16	State / Province	С	an2	tccom130.cste	Evaluation INVST	
17	Telephone	С	an32	tccom130.telp	Evaluation INVST	
18	Telex	С	an15	tccom130.telx	Evaluation INVST	
19	Fax	С	an32	tccom130.tefx	Evaluation INVST	
20	GEO Code	С	an10	tccom130.geoc	Evaluation INVST	

<sup>4</sup> INVST = tccom100.inrl = tcyesno.no or (strip(cisli305.stoa) <> "" and cisli305.stoa <>tccom111.cadr)

54 | Infor LN 10.4 Definition of BEMIS INV001 Import and Export File for Business Document Trading Invoice

	Invoice In-h	ouse Forma	t Mapping fro Table Fields	m Application (out)	Mapping to Application Table Fields (in)
21	House number	С	an10 tccom130.hor	no Evaluation INVST	
22	P.O. Box Number	С	an10 tccom130.pol	on Evaluation INVST	
23					
24	City Description	С	an30 tccom130.dsc	ca Evaluation INVST	
25	City Code	С	an8 tccom130.cc	it Evaluation INVST	
26					
27	Data Record End Sign	O/I M	an7 SA3_END		

Data Record Description by Type	of Data Record							
Detailed description:	Invoi	се						
Kind of data record:	SA3	SA3 Invoice Header Specific Addresses						
Position 1	Field Format	an3	Field Status	М				
Field Name	Kind of Data Rec	ord	Key field Out / IN					
Description	This field identifie contains the cons		ita record in the message bl	ock. It				
Processing outgoing EDI Sub-System								
ERP LN	This field will be fi	This field will be filled with the constant value 'SA3'.						
Processing Incoming EDI Sub-System								
ERP LN								

Position 2	Field Format	an35	Field Status	М
Field Name	Message Reference	<u>ce</u>	Key field Out / IN	
Description	numbering, which h	has to be clear	data records of one invoice by order, helps to control t s and the complete transmi	he
Processing outgoing EDI Sub-System				
ERP LN	Refer to data recor	d SA2		
Processing Incoming EDI Sub-System				
ERP LN				

Position	3	Field Format	an17	Field Status	М			
Field Name		Net ID of sender		Key field Out / In				
Description		This field contains Number)	the identification	n of the sender (for examp	ole the ILN			
Processing out	tgoing							
EDI Sub-Syste	m	Transmission of th	Transmission of the value from the message file.					
ERP LN		Refer to data reco	ord SA2					
Processing Inc EDI Sub-Syste	•							
ERP LN								

Position 4	Field	I Format	an3	Field Status	М
Field Name	Tran	saction Type		Key field Out	
Description	This	field contains t	he Sales Invoice Ti	ransaction Type.	
Processing outgoin EDI Sub-System	g None				
ERP LN		transaction typ s position.	e is mapped from E	RP LN table field cisli305	.tran
Processing Incomir EDI Sub-System	ng				
ERP LN					

Position 5	Field Format	n6	Field Status	М	
Field Name	Invoice Documer	nt Number	Key field Out / In		
Description	This field contains	the transaction	type of the sales invoice		
Processing outgoingEDI Sub-SystemTransmission of the value from the message file.					
ERP LN The sales invoice document number is stored in the ERP LN tal 'Invoice-Source Relations' in table field cisli305.idoc and is map this position.					
Processing Incoming EDI Sub-System					
ERP LN					

Position 6	6	Field Format	an9	Field Status	М	
Field Name		Order Number		Key field Out / In		
Description		This field contains	the Order Number			
Processing outgo EDI Sub-System	ing	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 Incom EDI Sub-System	ning					
ERP LN						

Position 7	Field Format	an6	Field Status	С
Field Name	Address / BP Code			
Description			ner Type of the followin defines the appearance	0
	The data record could be appearing four times depending on t Evaluation Expressions INVOF, INVIT, INVPF and INVST.			
Processing outgoing EDI Sub-System	None			
ERP LN	The ERP LN table fie Address Code is ma		le referring to the Quali tion.	fier
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	an3	Field Status	С		
Field Name	<u>Country</u>					
Description	This field contains t	he Country of th	ne Address.			
	The country codes	have to be defir	ned in ERP LN table eced	i226.		
Processing outgoing EDI Sub-System	g None					
ERP LN	2	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	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	an35	Field Status	С
Field Name		<u>Name</u>			
Description		This field contains the	ne first part of N	ame	
Processing outg EDI Sub-Systen		None			
ERP LN	The First part of the Name from ERP LN table field tccom130.na mapped to this position.			30.nama is	
Processing Inco EDI Sub-Systen	•	Transmission of the	value from the r	nessage file.	
ERP LN		Mapping to the ERP	LN table field to	com130.nama	

Position	10	Field Format	an30	Field Status	С
Field Name		Name 2			
Description		This field contains the second part of name			
Processing out EDI Sub-Syste	0 0	None			
ERP LN		The second part of the Name from ERP LN table field tccom130.namb is mapped to this position.			n130.namb
Processing Inc EDI Sub-Syste	0	Transmission of the	value from the	message file.	

Position	10	Field Format	an30	Field Status	С	
Field Name		Name 2				
ERP LN		Mapping to the ERF	Mapping to the ERP LN table field tccom130.namb			

Position	11	Field Format	an14	Field Status	С
Field Name		Address			
Description		This field contains t	he fist part of the	e delivery address	
Processing outgoing EDI Sub-System None					
ERP LN		The First part of the Address from ERP LN table field tccom130 is mapped to this position.			130.namc
Processing Inco EDI Sub-Systen	•	Transmission of the	value from the r	nessage file.	
ERP LN		Mapping to the ERP	LN table field to	ccom130.namc	

Position <sup>2</sup>	12	Field Format	an30	Field Status	С
Field Name		Address 2			
Description		This field contains the second part of the delivery address			
Processing outgo EDI Sub-System	ving	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 m		nessage file.			
ERP LN		Mapping to the ERP LN table field tccom130.namd			

Position	14	Field Format	an30	Field Status	С
Field Name		<u>City 2</u>			
Description		This field contains furthe	er information	to the City	
Processing outgo EDI Sub-System	Processing outgoing EDI Sub-System None				
ERP LN	ERP LN         The City information from ERP LN table field tccom130.namf is mapped to this position.		e field tccom130.namf is		
Processing Incoming EDI Sub-System Transmission of the value from the message file.		ssage file.			
ERP LN		Mapping to the ERP LN	table field tccc	om130.namf	

Position	15	Field Format	an10	Field Status	С
Field Name		ZIP / Postal Code			
Description		This field contains the ZIP or postal code referring to the delivery address			
Processing outgo	oing				
EDI Sub-System	l	None			
ERP LN		The ZIP Code from ER this position.	P LN table fie	ld tccom130.pstc is ma	pped to
Processing Incor EDI Sub-System	0	Transmission of the value from the message file.			
ERP LN		Mapping to the ERP LN	I table field to	com130.pstc	

Position 16	Field Format	an2	Field Status	С
Field Name	State / Province			
Description	This field contains the S delivery address	State / provi	nce information referring t	o the
Processing outgoing EDI Sub-System	None			
ERP LN	The State / province fro mapped to this position		table field tccom130.cstc	is
Processing Incoming EDI Sub-System				
ERP LN	Mapping to the ERP LN	I table field	tccom130.cstc	

Position	17	Field Format	an32	Field Status	С
Field Name		<u>Telephone</u>			
Description		This field contains th	e telephone nu	mber	
Processing out EDI Sub-Syster		None			
ERP LN		The Telephone number from ERP LN table field tccom130.telp is mapped to this position.			elp is
Processing Inco EDI Sub-Syster	ocessing Incoming DI 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	an15	Field Status	С
Field Name		<u>Telex</u>			
Description		This field contains th	e telex number		
Processing out EDI Sub-Syster	0 0	None			
ERP LN		The Telex number front to this position.	om ERP LN tab	le field tccom130.telx is	mapped
Processing Inco EDI Sub-Syster	•	Transmission of the	value from the r	nessage file.	
ERP LN		Mapping to the ERP	LN table field to	com130.telx	

Position 1	9	Field Format	an32	Field Status	С
Field Name		<u>Fax</u>			
Description		This field contains the F	ax number		
Processing outgoin EDI Sub-System	0	None			
ERP LN		The Fax number from E this position.	RP LN table	field tccom130.tefx is ma	oped to
Processing Incom EDI Sub-System	ing	Transmission of the val	ue from the m	lessage file.	
ERP LN		Mapping to the ERP LN	I table field to	com130.tefx	

Position	20	Field Format	an10	Field Status	С
Field Name		GEO Code			
Description		This field contains the	he GEO Code		
Processing out EDI Sub-Syster	0 0	None			
ERP LN		The GEO Code from this position.	n ERP LN table	ield tccom130.geoc is r	napped to
Processing Inco EDI Sub-Syster	•	Transmission of the	value from the r	nessage file.	
ERP LN		Mapping to the ERF	PLN table field to	ccom130.geoc	

Position	21	Field Format	an10	Field Status	С		
Field Name		House Number					
Description	cription 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 to this position.				ble field tccom130.hono	is mapped		
Processing Inco EDI Sub-Syster	0	Transmission of the	value from the r	nessage file.			
ERP LN		Mapping to the ERP	LN table field to	ccom130.hono			

Position 2	22	Field Format	an10	Field Status	С
Field Name		P.O. Box Number			
Description		This field contains the P.	O. Box Numb	er	
Processing outgoi EDI Sub-System	ing	None			
ERP LN		The Box number from El to this position.	RP LN table fie	eld tccom130.pobn is map	ped
Processing Incom EDI Sub-System	ning	Transmission of the valu	e from the me	ssage file.	
ERP LN		Mapping to the ERP LN	table field tccc	m130.pobn	

Position	24	Field Format	an30	Field Status	С
Field Name		<b>City Description</b>			
Description		This field contains the	Description o	f the City	
Processing outg EDI Sub-System	0	None			
ERP LN		The string from ERP L position.	N table field t	ccom130.dsca is mappe	d to this
Processing Inco EDI Sub-System	0	Transmission of the va	alue from the I	message file.	
ERP LN		Mapping to the ERP L	N table field to	ccom130.dsca	

Position	25	Field Format	an8	Field Status	С	
Field Name		City Code				
Description		This field contains the	ne Code of the	City		
Processing out	0 0	None				
ERP LN		The Code from ERP LN table field tccom130.ccit is mapped to this position.				
Processing Inco EDI Sub-Syster	•	Transmission of the	value from the	message file.		
ERP LN		Mapping to the ERF	LN table field	tccom130.ccit		

Position	27	Field Format	an7	Field Status	М
Field Name		Data Record end	sign		
Description This field identifies the end of data record in the message block. I contains the constant value 'SA3_END'.					
Processing ou EDI Sub-Syste					
ERP LN		This field will be fi	led with the co	onstant value 'SA3_END'.	
Processing Inc EDI Sub-Syste	0	This field will be fi	led with the co	onstant 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	Кеу	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	Μ	an3	SA4		SA4	
2	Message Reference	O/I	М	an35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub- System
3	Net ID of Sender	O/I	Μ	an17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Sales Invoice Transaction Type	0	М	an3	cisli305.tran			
5	Invoice Document Number	O/I	М	n6	cisli305.idoc		tfacp200.isup	
6	Order Number	O/I	М	an9	cisli310.orno			
7	Header text 1		С	an80	cisli310.htxt		tfacp200.text	
8	Header text 2		С	an80			tfacp200.text	
9	Data Record End Sign	O/I	М	an7	SA4_END		SA4_END	

Data Record Description by Type o	f Data Record				
Detailed description:	Invoid	e			
Kind of data record:	SA4 I	nvoice Head	er Text		
Position 1	Field Format	an3	Field Status	м	
Field Name	Kind of Data Rec	ord	Key field Out / IN		
Description	This field identifies the kind of data record in the message block. I contains the constant value 'SA4'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be fil	led with the a	constant value 'SA4'.		
Processing Incoming					
EDI Sub-System	This field will be fil	led with the o	constant value 'SA4'.		
ERP LN	None				

Position 2	Field Format	an35	Field Status	М
Field Name	Message Reference	2	Key field Out / IN	
Description	numbering, which ha	s to be clear	data records of one inv by order, helps to cont and the complete trans	rol the
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	an17	Field Status	М
Field Name		Net ID of sender		Key field Out / In	
Description		This field contains Number)	the identification	on of the sender (for exa	ample the ILN
Processing outg EDI Sub-Systen					
ERP LN		Refer to data reco	d SA2		
Processing Inco EDI Sub-Systen	0				
ERP LN		Refer to data reco	d SA2		

Position	4	Field Format	an3	Field Status	М
Field Name		Transaction Type		Key field Out	
Description		This field contains	the Sales Invoice	e Transaction Type.	
Processing outgo EDI Sub-System	•	None			
ERP LN		The transaction typ to this position.	e is mapped fro	m ERP LN table field cisli	305.tran
Processing Incon EDI Sub-System	•				
ERP LN					

Position 5	Field Format	n6	Field Status	М
Field Name	Invoice Document	Number	Key field Out / In	
Description	This field contains the	ne transaction	type of the sales invoic	e
Processing outgoing EDI Sub-System	Transmission of the	value from the	e 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 th	e message file.	
ERP LN	Mapping to ERP LN	table field tfa	cp200.isup	

Position	6	Field Format	an9	Field Status	М
Field Name		Order Number		Key field Out / In	
Description		This field contains	the Order Nu	ımber	
Processing out EDI Sub-Syste	0 0	Transmission of th	e value from t	he message file.	
ERP LN		was generated, is	stored in the	se order, from which the ERP LN table 'Sales and field cisli310.orno and is	Warehouse
Processing Inc EDI Sub-Syste	0				
ERP LN					

Position	7	Field Format	an80	Field Status	С	
Field Name		Invoice Header Text 1				
Description		This field contains a free text 1 with a maximum of 80 characters.				
Processing outg EDI Sub-System						
ERP LN		Mapping of ERP LN table field cisli310.htxt to position.				
Processing Inco EDI Sub-System	•	Transmission of the value from the transmission file.				
ERP LN		Mapping to ERP LN tab	le field tfac	o200.text		

Position	8	Field Format	an80	Field Status	С
Field Name		Invoice Header Text 2			
Description		This field contains a fre	e text 2 wit	h a maximum of 80	characters.
Processing outg EDI Sub-System	-				
ERP LN					
Processing Inco EDI Sub-System	0	Transmission of the value	ue from the	transmission file.	
ERP LN		Mapping to ERP LN tak	ole field tfac	p200.text	

Position	9	Field Format	an7	Field Status	м	
Field Name		Data Record end	<u>sign</u>			
Description This field identifies the end of data record in the messa contains the constant value 'SA4_END'.					e block. It	
Processing outg EDI Sub-System	U					
ERP LN		This field will be filled with the constant value 'SA4_END'.				
Processing Inco EDI Sub-System	•	This field will be fil	led with the	constant value 'SA4_END		
ERP LN		None				

## SA5 Invoice Tax Lines

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

	Invoice In-h	ouse	Form	at	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	Μ	an3	SA5		SA5	
2	Message Reference	O/I	Μ	an35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub- System
3	Net ID of Sender	O/I	Μ	an17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Sales Invoice Transaction Type	0	М	an3	cisli305.tran			
5	Invoice Document Number	O/I	М	n6	cisli305.idoc		tfacp200.isup	
6	Order Number	O/I	М	an9	cisli310.orno			
7	Tax Code		С	an10	cisli315.txid	Code and Conversion	tfgld102.cvat	Code and Conversion
8	Qualifier Tax Code		М	an3	"ZZ"		"ZZ"	
9	Tax Base Amount in Invoice Curr.		С	n15	cisli315.tbai		tfgld102.amnt	
10	Tax Amount in Invoice Currency		С	n15	cisli315.txai		tfgld102.vamt	
11	Data Record End Sign	O/I	Μ	an7	SA5_END		SA5_END	

Data Record Description by Type of Dat
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Detailed description:	Invoice			
Kind of data record:	SA5 Tax	Lines		
Position 1	Field Format	an3	Field Status	М
Field Name	Kind of Data Record	<u>4</u>	Key field Out / IN	
Description	This field identifies th contains the constant		record in the message b	lock. It
Processing outgoing EDI Sub-System				
ERP LN	This field will be filled	I with the cons	tant value 'SA5'.	
Processing Incoming EDI Sub-System	This field will be filled	I with the cons	tant value 'SA5'.	
ERP LN	None			

Position 2	Field Format	an35	Field Status	М
Field Name	Message Referen	<u>ce</u>	Key field Out / IN	
Description	numbering, which h	has to be clea	d data records of one inv or by order, helps to cont and the complete trans	trol the
Processing outgoing EDI Sub-System				
ERP LN	Refer to data recor	d SA2		
Processing Incoming EDI Sub-System				
ERP LN	Refer to data recor	d SA2		

Position	3	Field Format	an17	Field Status	М	
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 Form	at an3	Field Status	М		
Field Name	Transactio	n Type	Key field Out			
Description	This field c	This field contains the Sales Invoice Transaction Type.				
Processing outgoin EDI Sub-System	g None					
ERP LN		The transaction type is mapped from ERP LN table field cisli305.tran to this position.				
Processing Incomin EDI Sub-System	ng					
ERP LN						

Position 5	Field Format	n6	Field Status	М		
Field Name	Invoice Docume	nt Number	Key field Out / In			
Description	This field contains	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 I	Mapping to ERP LN table field tfacp200.isup				

Position 6	Field Format	an9	Field Status	М
Field Name	Order Number		Key field Out / In	
Description	This field contains	the Order Nu	ımber	
Processing outgoing EDI Sub-System	Transmission of the	e value from	he message file.	
ERP LN	was generated, is	stored in the	se order, from which the ERP LN table 'Sales and field cisli310.orno and is	Warehouse
Processing Incoming EDI Sub-System				
ERP LN				

Position	7	Field Format	an10	Field Status	С		
Field Name		Tax Code					
Description		This field contains	the tax code.				
Processing outg EDI Sub-System							
ERP LN		The tax code from I position and conver		ield cisli315.txid is ma N table ecedi446.	pped to this		
Processing Inco EDI Sub-System	•	Transmission of the	Transmission of the value from the transmission file.				
ERP LN		Mapping to ERP LN	I table field tfgl	d102.cvat			

Position 8	8	Field Format	an3	Field Status	С	
Field Name		Qualifier Tax Code				
Description		This field contains the	e qualifier for t	he tax code.		
Processing outg EDI Sub-System	•	None				
ERP LN		This field will be filled with "ZZ".				
Processing Inco EDI Sub-System	0	Transmission of the v	alue from the	message file.		
ERP LN		Used as qualifier for t used.	he conversior	of the tax code; in	general "ZZ" is	

Position 9	Field Format	n15	Field Status	С	
Field Name	<u>Tax Base Amount</u> in Invoice Currency				
Description	This field contains the ta in invoice currency.	x base am	ount related to the co	mplete invoice	
Processing outgoing EDI Sub-System	None				
ERP LN	The tax base amount in invoice currency of the sales invoice from ERP LN table field cisli315.tbai is mapped to this position.				
Processing Incoming EDI Sub-System	Transmission of the valu	e from the	message file.		
ERP LN	Mapping to ERP LN tabl	e field tfglo	102.amnt		

Position 10	Field Format	n15	Field Status	С		
Field Name	<u>Tax Amount</u> in Invoice Currency					
Description	This field contains the tax amount related to the complete invoice in invoice currency.					
Processing outgoing EDI Sub-System	None					
ERP LN	The tax amount in invoice currency of the sales invoice from ERP LN table field cisli305.txai is mapped to this position.					
Processing Incoming EDI Sub-System	Transmission of the valu	e from the	message file.			
ERP LN	Mapping to ERP LN table	e field tfglo	102.vamt			

Position	11	Field Format	an7	Field Status	М
Field Name		Data Record end	<u>sign</u>		
Description		This field identifies contains the const		data record in the messag A5_END'.	e block. It
Processing out EDI Sub-Syster					
ERP LN		This field will be fil	led with the	constant value 'SA5_END	)'_

Position	11	Field Format	an7	Field Status	М				
Field Name		Data Record end	Data Record end sign						
Processing Inco EDI Sub-Syster	•	This field will be fil	led with the c	constant value 'SA5_END'					
ERP LN		None							

### SA6 Invoice Line

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

	Invoice In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	М	an3	SA6		SA6	
2	Message Reference	O/I	М	an35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub- System
3	Net ID of Sender	O/I	М	an17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Sales Invoice Transaction Type	0	М	an3	cisli305.tran			
5	Invoice Document Number	O/I	М	n6	cisli305.idoc		tfacp200.isup	
6	Order Number	O/I	М	an9	cisli310.orno			
7	Invoice Line Number		М	n5	cisli310.pono			

	Invoice In-hous	e Forma	ıt	Mapping from Table Fields (c	•••	Mapping to Ap Table Fields (i	
8	Invoice Line Sequence Number	М	n5	cisli310.line			
9	Customer Order Position	С	an16 n5	cisli311;corp		tfacp240.pono	
10	Customer Order Sequence	С	n5 an11	cisli311;cors		tfacp240.sqnb	
11	Qualifier Item Code	М	an6	ecedi011.code / SA		SA	
12	Buyer's Item Code or EAN Item Code	С	an47	cisli310.item	Conversion	tfacp240.item	Conversion
13	Description of the Item	С	an30	tcibd001.dsca			
14	Supplier's Item Code	С	an47	cisli310.item	Conversion		
15	Ship-to Business Partner	С	an20	cisli310.stbp	Code and Conversion		
16	Address Code ID	С	an6	ecedi218.code / ZZ			
17	Address/ BP Code	С	an6	ecedi224.code			
18	Ordered Quantity	С	n15	cisli311;oqua			
19	Delivered Quantity/ Invoiced Quantity	С	n15	cisli310.dqua		tfacp250.iqan	
20	Quantity Unit	С	an3	cisli310.cuqs	Code and Conversion	tfacp240.unit	Code and Conversion
21	Price	С	n15	cisli310.pric			
22	Price Unit	С	an3	cisli310.cups	Code and Conversion		

76 | Infor LN 10.4 Definition of BEMIS INV001 Import and Export File for Business Document Trading Invoice

	Invoice In-hou	ise Forma	t	Mapping from Table Fields (c		Mapping to Application Table Fields (in)
23	Delivery Date	С	n14	cisli310.ddat		
24	Amount in Invoice Currency	С	n15	cisli310.slai		tfacp250.iamt
25	Shipment	С	an9	cisli310.shpm		
27	Line Discount Amount	С	n15	cisli310.ldai		
28	Tax Exemption Reason Code	С	an6	cisli310.rcod	Code and Conversion	
29	Tax Exemption Certificate Number	С	an20	cisli310.ceno		
30	Sales Order Line Sequence	М	n5	tdsls401.sqnb		tfacp250.sqnb
35	Data record end sign	М	an7	SA6_END		SA6_END

Data Record Description by Type of	Data Record			
Detailed description:	Invoice			
Kind of data record:	SA6 Inv	oice Lines		
Position 1	Field Format	an3	Field Status	М
Field Name	Kind of Data Record	<u>d</u>	Key field Out / IN	
Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA6'.			
Processing outgoing EDI Sub-System				
ERP LN	This field will be filled	d with the cons	tant value 'SA6'.	
Processing Incoming EDI Sub-System	This field will be filled	d with the cons	tant value 'SA6'.	
ERP LN	None			

Position 2	Field Format	an35	Field Status	М
Field Name	Message Reference	<u>ce</u>	Key field Out / IN	
Description This field identifies all connected data records of one order. numbering, which has to be clear by order, helps to control chronological order of the orders and the complete transmis				trol the
Processing outgoing EDI Sub-System				
ERP LN	Refer to data recor	d SA2		
Processing Incoming EDI Sub-System				
ERP LN	Refer to data recor	d SA2		

Position	3	Field Format	an17	Field Status	М
Field Name		Net ID of sender		Key field Out	
Description		This field contains th Number)	e identification	of the sender (for exar	nple the ILN
Processing out EDI Sub-Syster	0 0	Transmission of the value from the message file.			
ERP LN		Refer to data record	SA2		
Processing Inco EDI Sub-Syster	0				
ERP LN		Refer to data record	SA2		

Position	4	Field Format	an3	Field Status	М
Field Name		Transaction Type		Key field Out	
Description		This field contains t	the Sales Invoice	e Transaction Type.	
Processing outgo EDI Sub-System	0	None			
ERP LN		The transaction typ to this position.	e is mapped from	m ERP LN table field cisli	305.tran
Processing Incon EDI Sub-System	•				
ERP LN					

Position 5	Field Format	n6	Field Status	М
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 tfac	o200.isup	

Position 6	6	Field Format	an9	Field Status	С	
FUSICION	0	Field Format	an9	rielu Status	C	
Field Name		Order Number		Key field Out / In		
Description		This field contains	the Order Nur	nber		
Processing outgo EDI Sub-System	ing	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 Incom EDI Sub-System	ning					
ERP LN						

Position 7	Field Format	n5	Field Status	М
Field Name	Invoice Line Num	<u>nber</u>		
Description	This field contains	the Invoice I	ine Number.	
Processing outgoing EDI Sub-System	None			
ERP LN	The invoice line nu mapped to this po		RP LN table field cisli310	.pono is
Processing Incoming EDI Sub-System				
ERP LN				

Position 8	Field Format	n5	Field Status	м
Field Name	Invoice Line Se	quence Numb	<u>ber</u>	
Description	This field contain	This field contains the Invoice Line Sequence Number.		
Processing outgoing EDI Sub-System	) None			
ERP LN	The invoice sequesting mapped to this p		from ERP LN table cisli31	10.line is
Processing Incoming EDI Sub-System	g			

Position	8	Field Format	n5	Field Status	Μ
Field Name		Invoice Line Seq	uence Numb	<u>per</u>	
ERP LN					

Position	9	Field Format	an16/n5	Field Status	М	
Field Name		Customer Order Position				
Description		This field contains the Customer Order Position.				
Processing outgo EDI Sub-System	0	None				
ERP LN		The customer order position from ERP LN field cisli311;corp is mapped to this position.				
Processing Incon EDI Sub-System	0	Transmission of the v	alue from the	message file.		
ERP LN		Mapping to ERP LN t	able field tfac	o240.pono		

Position 1	0	Field Format	an1/n5	Field Status	Μ
Field Name		Customer Order Seg	uence		
Description		This field contains the Customer Order Sequence.			
Processing outgoi EDI Sub-System	ing	None			
ERP LN			The customer order sequence from ERP LN table field cisli311;cors mapped to this position.		
Processing Incom EDI Sub-System	ing	Transmission of the va	alue from the	message file.	
ERP LN		Mapping to ERP LN ta	able field tfac	o240.sqnb	

Position 2	11	Field Format	an6	Field Status	С
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 outgo EDI Sub-System	•	None			

Position	11	Field Format	an6	Field Status	С
Field Name		Qualifier Item Code	<u>)</u>		
ERP LN		This field will be filled with the used table field ecedi232.code or the constant default value 'SA' or 'EAN'.			
Processing Inc EDI Sub-Syste	•	"SA".			
ERP LN		Used as qualifier for	the conversi	ion of the item code.	

Position 12	Field Format	an47	Field Status	С	
Field Name	Buyer's Item Code				
Description	This field contains the	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 v	alue from the	message file.		
ERP LN	Mapping to the ERP the given qualifier.	LN table field	tfacp240.item after con	version of	

Position 13	Field Format	an30	Field Status	С	
Field Name	Description of the	e item			
Description	This field contains	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.			1001.dsca is	
Processing Incoming EDI Sub-System					
ERP LN	None				

Position 14	Field Format	an47	Field Status	С	
Field Name	Supplier's Item Code				
Description	iption This field contains the Supplier item code.				
Processing outgoing EDI Sub-System					
ERP LN The supplier item code from ERP LN table field cisli310.ite mapped to this position.				item is	
Processing Incoming EDI Sub-System					
ERP LN	None				

Position	15	Field Format	an20	Field Status	С
Field Name		Ship-to BP			
Description		This position contains the code of the Ship-to business partner.			
Processing out EDI Sub-Syster	0 0	None			
ERP LN		The Code for the Ship-to BP from ERP LN table field cisli310.stbp is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.			•
Processing Inco EDI Sub-Syster	•				
ERP LN					

Position 16	Field Format	an6	Field Status	С
Field Name	Qualifier Address C	ode ID		
Description	This position is used to store the default qualifier 1 for the Address code which is defined in the message definition. It can be used to identify the ship-to address.			
Processing outgoing EDI Sub-System	None			
ERP LN	"ZZ"			
Processing Incoming EDI Sub-System				
ERP LN				

Field Format	an6	Field Status	С	
Address/ BP Code				
This position contains the standard qualifier 2 for the Warehouse				
None	None			
The ERP LN table field ecedi224.code referring to the Qualifier Address Code is mapped to this position.			ualifier	
	Address/ BP Code This position contain None The ERP LN table fie	Address/ BP Code         This position contains the standard         None         The ERP LN table field ecedi224.00	Address/ BP Code         This position contains the standard qualifier 2 for the Wa         None         The ERP LN table field ecedi224.code referring to the Q	

Position	18	Field Format	n15	Position	18
Field Name		Ordered Quantity		Field Name	
Description		This field contains t	he quantity o	rdered.	
Processing ou EDI Sub-Syste					
ERP LN		The ordered quantitities to this position.	y from ERP	LN table field cisli	311;oqua is mapped
Processing In EDI Sub-Syste	•				
ERP LN					

Position 19	Field Format	n15	Field Status	С	
Field Name	Delivered Quanti	<u>ty</u>			
Description	This field contains	This field contains the quantity delivered.			
Processing outgoing EDI Sub-System					
ERP LN	The delivered quantity from ERP LN table field cisli310.dqua is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	20	Field Format	an3	Position	20
Field Name		Quantity Unit		Field Name	
Description		This field contains	the quantity u	unit of the item.	
Processing ou EDI Sub-Syst	0 0				
ERP LN		The unit from ERP LN table field cisli310.cuqs is mapped to this position and converted with ERP LN table ecedi442.			
Processing In EDI Sub-Syst	0	Transmission of th	ne value from	the message file.	
ERP LN		Mapping to the EF ERP LN table ece			and conversion with

Position	21	Field Format	n15	Field Status	С
Field Name		<u>Price</u>			
Description		This field contains	the price of t	ne item referring to the g	iven price unit.
Processing ou EDI Sub-Syste					
ERP LN		The price from ER position.	P LN table fie	ld cisli310.pric is mappe	d to this
Processing Inc EDI Sub-Syste	•				
ERP LN					

Position	22	Field Format	an3	Field Status	С	
Field Name		Price Unit				
Description		This field contains the price unit the price refers to.				
Processing ou EDI Sub-Syste	0 0					
ERP LN		The price unit from ERP LN table field cisli310.cups is mapped to this position and converted with ERP LN table ecedi442.			napped to this	
Processing Inc EDI Sub-Syste	0					
ERP LN						

Position	23	Field Format	n14	Field Status	С
Field Name		<b>Delivery Date</b>			
Description	This field contains the delivery date.				
Processing out EDI Sub-Syste	0 0				
ERP LN		The delivery date from ERP LN table field cisli310.ddat is mapped to this position.			
Processing Inc EDI Sub-Syste	•				
ERP LN					

Position	24	Field Format	n15	Field Status	С	
Field Name						
Description		This field contains the amount in invoice currency.				
Processing ou EDI Sub-Syste	0 0					
ERP LN The amount in invoice currency mapped to this position.				from ERP LN table field	cisli310.slai is	
Processing Inc EDI Sub-Syste	0	Transmission of th	e value from t	he message file.		
ERP LN		Mapping to the ER	P LN table fie	ld tfacp250.iamt.		

Position	25	Field Format	an9	Position	25
Field Name		<u>Shipment</u>		Field Name	
Description		This field contains the	shipment nur	nber.	
•	Processing outgoing EDI Sub-System				
ERP LN		The shipment number mapped to this positio		I table field cisli	310.shpm is
Processing Inco EDI Sub-Syster	•				
ERP LN					

Position 2	27	Field Format	n15	Field Status	С
Field Name		Line Discount Amou	<u>ınt</u>		
Description	This field contains the line discount amount.				
Processing outgoe EDI Sub-System	•				
ERP LN		The line discount and mapped to this position		PLN table field cisli310	Idai is.
Processing Inco EDI Sub-System	-				
ERP LN					

Position	28	Field Format	an6	Field Status	С	
Field Name		Tax Exemption Rea	son Code			
Description		This field contains the exempt reason.				
Processing out EDI Sub-Syste		None				
ERP LN	ERP LN The exempt reason is mapped from ERP LN table cisli310.rd position after conversion with ERP LN table ecedi353.				10.rcod to this	
Processing Inc EDI Sub-Syste	0					
ERP LN						

Position 29	Field Format	an20	Field Status	С		
Field Name	Tax Exemption Certificate No.					
Description	This field contains the	This field contains the Tax Exemption Certificate number.				
Processing outgoing EDI Sub-System	None					
ERP LN	RP LN The number is mapped from ERP LN table cisli310.ceno to position.					
Processing Incoming EDI Sub-System						
ERP LN						

Position 3	30	Field Format	n5	Field Status	М	
Field Name         Invoice Sequence Number						
Description		This field contains the Invoice Sequence Number.				
Processing outgoing EDI Sub-System None						
ERP LN		The invoice sequence number from ERP LN table tdsls401.sqnb is mapped to this position.				
Processing Incom EDI Sub-System	ning	Transmission of the v	alue from the	message file.		
ERP LN		Mapping to ERP LN ta	able field tfac	o250.sqnb		

Position	35	Field Format	an7	Field Status	М		
Field Name		Data Record end	<u>sign</u>				
Description			This field identifies the end of data record in the message block. It contains the constant value 'SA6_END'.				
Processing out EDI Sub-Syste							
ERP LN		This field will be fil	led with the	constant value 'SA6_END			
Processing Inc EDI Sub-Syste	0	This field will be fil	led with the	constant value 'SA6_END	,.		
ERP LN		None					

## SA7 Invoice Line Text – Text Data

Status:	Conditional
Frequency:	Once by invoice
Description:	This data record contains the text information of the invoice line and is related to SA6.

	Invoice In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)		
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	Μ	an3	SA7			
2	Message Reference	O/I	М	an35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	Μ	an17	ecedi020.neta	Conversion (see below)		
4	Sales Invoice Transaction Type	0	М	an3	cisli305.tran			
5	Invoice Document Number	O/I	М	n6	cisli305.idoc			
6	Order Number	O/I	М	an9	cisli310.orno			
7	Invoice Line Number	O/I	М	n5	cisli310.pono			
8	Invoice Sequence Number	O/I	М	n5	cisli310.line			
9	Detail Text		С	an80	cisli310.dtxt			
15	Data Record End Sign	0	М	an7	SA7_END			

Data Record Description by Type	of Data Record			
Detailed description:	Invoid	Invoice		
Kind of data record:	SA7	Fext data		
Position 1	Field Format	an3	Field Status	М
Field Name	Kind of Data Rec	ord	Key field Out	
Description	This field identifies contains the cons		data record in the messag	e block. It
Processing outgoing EDI Sub-System				
ERP LN	This field will be fi	lled with the c	constant value 'SA7'.	
Processing Incoming EDI Sub-System				
ERP LN				

Position 2	2 I	Field Format	an35	Field Status	М
Field Name	<u>I</u>	<u>Message Reference</u>		Key field Out	
Description This field identifies all connected data records of one order. numbering, which has to be clear by order, helps to control chronological order of the orders and the complete transmis					ntrol the
EDI Sub-System	ing				
ERP LN	F	Refer to data record S	SA6		
Processing Incom EDI Sub-System	ning				
ERP LN					

Position	3	Field Format	an17	Field Status	М
Field Name		Net ID of sender		Key field Out	
Description		This field contains Number)	the identificat	ion of the sender (for exa	ample the ILN
Processing out EDI Sub-Syste					
ERP LN		Refer to data reco	rd SA6		
Processing Inc EDI Sub-Syste	0				

Position	3	Field Format	Field Format an17		М
Field Name		Net ID of sender		Key field Out	
ERP LN					

Position 4	4	Field Format	an3	Field Status	М
Field Name		Transaction Type		Key field Out	
Description		This field contains t	he Sales Invoice	e Transaction Type.	
Processing outgoi EDI Sub-System	0	None			
ERP LN		The transaction type to this position.	e is mapped fror	n ERP LN table field cisli3	805.tran
Processing Incom EDI Sub-System	ning				
ERP LN					

Position 5	Field Format	n6	Field Status	М		
Field Name	Invoice Docume	Invoice Document Number Key field Out				
Description	This field contains	s the transacti	on type of the sales invoi	се		
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 t 'Invoice-Source Relations' in table field cisli305.idoc and is mathing position.						
Processing Incoming EDI Sub-System						
ERP LN						

Position 6	6	Field Format	an9 Field Status		С		
Field Name		Order Number	Key field Out				
Description		This field contains the Order Number					
Processing outgoingEDI Sub-SystemTransmission of the value from the message file.							

Position 6	6	Field Format	an9	Field Status	С	
Field Name		Order Number	Key field Out			
ERP LN The sales order or the warehouse order, from was generated, is stored in the ERP LN tak Order Invoice Headers' in table field cisli31 this position.				ERP LN table 'Sales and	Warehouse	
Processing Incom EDI Sub-System	ning					
ERP LN						

Position	7	Field Format	n5	Field Status	Μ	
Field Name		Invoice Line Number	<u>r</u>	Key field Out		
Description		This field contains the Invoice Line Number.				
Processing outgo EDI Sub-System	ping	None				
ERP LN		The invoice line number from ERP LN table field cisli310.pono is mapped to this position.				
Processing Incom EDI Sub-System	ning					
ERP LN						

Field Format	n5	Field Status	М		
Invoice Sequenc	e Number	Key field Out			
This field contains	This field contains the Invoice Sequence Number.				
None					
•	The invoice sequence number from ERP LN table cisli310.line is mapped to this position.				
Transmission of th	Transmission of the value from the message file.				
Mapping to ERP L	N table field t	facp250.sqnb			
	Invoice Sequence         This field contains         None         The invoice seque         mapped to this po         Transmission of the	Invoice Sequence Number         This field contains the Invoice S         None         The invoice sequence number f         mapped to this position.         Transmission of the value from f	Invoice Sequence Number       Key field Out         This field contains the Invoice Sequence Number.         None         The invoice sequence number from ERP LN table cisli31 mapped to this position.		

Position	9	Field Format	an80	Field Status	С
Field Name		Detail Text			
Description		This field contains	a free text with	a maximum of 80 cha	racters.
Processing out EDI Sub-Syster					
ERP LN		Mapping of ERP LN	I table field cisli	310.dtxt to position.	
Processing Inco EDI Sub-Syster	-				
ERP LN					

Position	15	Field Format	an7	Field Status	М
Field Name		Data Record end	<u>sign</u>		
Description This field identifies the end of data record in the message block. 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 Inco EDI Sub-Syster	0				
ERP LN					

## SA8 Invoice Line's Specific Delivery Address

Status:	Conditional
Frequency:	Once by invoice line
Description:	This data record contains the delivery address referring to the invoice line; and it is related to SA6.

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

	Invoice In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)		
Pos	Field Description	Кеу	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	М	an3	SA8			
2	Message Reference	O/I	М	an35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O/I	М	an17	ecedi020.neta	Conversion (see below)		
4	Sales Invoice Transaction Type	0	М	an3	cisli305.tran			
5	Invoice Document Number	O/I	М	n6	cisli305.idoc			
6	Order Number	O/I	М	an9	cisli310.orno			
7	Invoice Line Number	O/I	М	n5	cisli310.pono			
8	Invoice Sequence Number	O/I	М	n5	cisli310.line			
9	Code in message		С	an6	ecedi224.code	Evaluation Expression <sup>5</sup> INVLND		

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

<sup>94 |</sup> Infor LN 10.4 Definition of BEMIS INV001 Import and Export File for Business Document Trading Invoice

	Invoice In-hous	se Forma	t	Mapping from Table Fields (or		Mapping to Application Table Fields (in)
10	Country	С	an3	tccom130.ccty	Code and conversion / Evaluation INVLND	
11	Name	С	an35	tccom130.nama	Evaluation INVLND	
12	Name 2	С	an35	tccom130.namb	Evaluation INVLND	
13	Address	С	an30	tccom130.namc	Evaluation INVLND	
14	Address 2	С	an30	tccom130.namd	Evaluation INVLND	
15						
16	City 2	С	an30	tccom130.namf	Evaluation INVLND	
17	ZIP / Postal Code	С	an10	tccom130.pstc	Evaluation INVLND	
18	State / Province	С	an2	tccom130.cste	Evaluation INVLND	
19	Telephone	С	an32	tccom130.telp	Evaluation INVLND	
20	Telex	С	an15	tccom130.telx	Evaluation INVLND	
21	Fax	С	an32	tccom130.tefx	Evaluation INVLND	
22	GEO Code	С	an10	tccom130.geoc	Evaluation INVLND	
23	House number	С	an10	tccom130.hono	Evaluation INVLND	
24	P.O. Box Number	С	an10	tccom130.pobn	Evaluation INVLND	
25						
26	City Description	С	an30	tccom130.dsca	Evaluation INVLND	
27						

	Invoice In-house Format				Mapping from Table Fields (o		Mapping to Application Table Fields (in)
28					<b>K</b>	,	. ,
29							
30	City Code	(	С	an8	tccom130.ccit	Evaluation INVLND	
31	Data Record End Sign	0/1 1	M	an7	SA8_END		

Detailed description:		Invoice					
Kind of data record:		SA8	SA8 Invoice Line's Specific Delivery Address				
Position	1	Field Format	an3	Field Status	М		
Field Name		Kind of Data Rec	<u>ord</u>	Key field Out / IN			
Description		This field identifies It contains the con		data record in the messa 'SA8'.	age block.		
Processing ou EDI Sub-Syste	0 0						
ERP LN		This field will be fil	led with the	constant value 'SA8'.			
Processing Incoming EDI Sub-System							
ERP LN							

Position	2	Field Format	an35	Field Status	М
Field Name		Message Referen	<u>ce</u>	Key field Out / IN	
Description		numbering, which	has to be clea	d data records of one in ar by order, helps to cor es and the complete	
Processing out EDI Sub-Syster					
ERP LN		Refer to data recor	rd SA6		
Processing Inco EDI Sub-Syster	0				

Position	2	Field Format	an35	Field Status	М
Field Name		Message Refere	nce	Key field Out / IN	
ERP LN					

Position	3	Field Format	an17	Field Status	М
Field Name		Net ID of sender		Key field Out / In	
Description		This field contains ILN Number)	the identificat	ion of the sender (for ex	ample the
Processing outgoing EDI Sub-System Transmission of the value from the message file.			ne message file.		
ERP LN		Refer to data recor	rd SA6		
Processing Incor EDI Sub-System	0				
ERP LN					

Position 4	Field Format	an3	Field Status	М
Field Name	Transaction Type		Key field Out	
Description	This field contains t	he Sales Inve	oice Transaction Type.	
Processing outgoing EDI Sub-System	None			
ERP LN	The transaction typ cisli310.tran to this		from ERP LN table field	
Processing Incoming EDI Sub-System				
ERP LN				

Position 5		Field Format	n6	Field Status	М
Field Name		Invoice Documer	nt Number	Key field Out / In	
Description		This field contains	the transacti	on type of the sales invoice	
Processing outgoir EDI Sub-System	•	Transmission of the	e value from	the message file.	

Position	5	Field Format	n6	Field Status	М
Field Name		Invoice Documen	t Number	Key field Out / In	
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 Incom EDI Sub-System	0				
ERP LN					

Position	6	Field Format	an9	Field Status	М		
Field Name		Order Number		Key field Out / In			
Description		This field contains	the Order Nu	mber			
Processing outo		Transmission of the	ansmission 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 Inco EDI Sub-Syster	0						
ERP LN							

Position	7	Field Format	n5	Field Status	М
Field Name		Invoice Line Numbe	<u>r</u>	Key field Out / In	
Description		This field contains the	e Invoice Lin	e Number.	
Processing outo		None			
ERP LN		The invoice line numb mapped to this position		P LN table field cisli310.	oono is
Processing Inco EDI Sub-System	•				
ERP LN					

Position	8	Field Format	n5	Field Status	М
Field Name		Invoice Sequence	Number	Key field Out / In	
Description		This field contains th	ne Invoice S	equence Number.	
Processing outgo EDI Sub-System	ping	None			
ERP LN The invoice sequence number from ERP LN table cisli mapped to this position.			rom ERP LN table cisli310	line is.	
Processing Incom EDI Sub-System	ning				
ERP LN					

Position 9	Field Format	an6	Field Status	С
Field Name	Address / BP Coo	e		
Description		ation expression	Partner Type of the to n INVLND defines	•
Processing outgoin EDI Sub-System	g None			
ERP LN	The ERP LN table Address Code is m		code referring to the osition.	e Qualifier
Processing Incomir EDI Sub-System	ng			
ERP LN				

All following fields of the record SA8 are depending on the evaluation expression INVLND.

Position	10	Field Format	an3	Field Status	С
Field Name		<u>Country</u>			
Description		This field contains the Country of the Address. The country codes have to be defined in ERP LN table ecedi226.			
Processing outgo EDI Sub-System	-	None			
ERP LN		The country code of th tccom130.ccty is mapp LN table ecedi440.			

Position	10	Field Format	an3	Field Status	С
Field Name		<u>Country</u>			
Processing Incoming EDI Sub-System					
ERP LN					

Position	11	Field Format	an35	Field Status	С
Field Name		<u>Name</u>			
Description		This field contains the first part of Name			
Processing outg 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 Inco EDI Sub-System	•				
ERP LN					

Position	12	Field Format	an30	Field Status	С
Field Name		Name 2			
Description		This field contains the	e second pai	t of name	
Processing outgoing EDI Sub-System N		None			
ERP LN		The second part of the Name from ERP LN table field tccom130.namb is mapped to this position.			
Processing Incon EDI Sub-System	-				
ERP LN					

Position 13	Field Format	an14	Field Status	С	
Field Name	<u>Address</u>				
Description	This field contains t	This field contains the fist part of the delivery address			
Processing outgoing EDI Sub-System	None				

Position 1	3 Field Forma	nt an14	Field Status	С
Field Name	<u>Address</u>			
ERP LN		The First part of the Address from ERP LN table field tccom130.namc is mapped to this position.		
Processing Incom EDI Sub-System	ing			
ERP LN				

Position	14	Field Format	an30	Field Status	С
Field Name		Address 2			
Description		This field contains the	second pa	rt of the delivery address	
Processing out EDI Sub-Syster		None			
ERP LN		The second part of the Address from ERP LN table field tccom130.namd is mapped to this position.			
Processing Inco EDI Sub-Syster	•				
ERP LN					

Position	16	Field Format	an30	Field Status	С
Field Name		<u>City 2</u>			
Description		This field contains fu	rther inform	ation to the City	
Processing outgo EDI Sub-System	ping	None			
ERP LN		The City information t mapped to this position		N table field tccom130	.namf is
Processing Incom EDI Sub-System	ning				
ERP LN					

Position 17	Field Format	an10	Field Status	С
Field Name	ZIP / Postal Code			
Description	This field contains the Z address	IP or post	al code referring to the	delivery
Processing outgoing EDI Sub-System	None			
ERP LN	The ZIP Code from ERF to this position.	P LN table	field tccom130.pstc is	mapped
Processing Incoming EDI Sub-System				
ERP LN				

Position 18	Field Format	an2	Field Status	С
Field Name	State / Province			
Description	This field contains th delivery address	e State / pro	vince information refe	erring to the
Processing outgoing EDI Sub-System	None			
ERP LN	mapped to this posit		N table field tccom130	J.CSTC IS
Processing Incoming EDI Sub-System				
ERP LN				

Position	19	Field Format	an32	Field Status	С
Field Name		<u>Telephone</u>			
Description		This field contains the	elephone	number	
Processing outgo EDI Sub-System	0	None			
ERP LN		The Telephone number from ERP LN table field tccom130.telp is mapped to this position.			30.telp is
Processing Incon EDI Sub-System	•				
ERP LN					

Position	20	Field Format	an15	Field Status	С
Field Name		<u>Telex</u>			
Description		This field contains the	telex numb	er	
Processing outgoing EDI Sub-System None					
ERP LN		The Telex number from ERP LN table field tccom130.telx is mapped to this position.			is
Processing Inco EDI Sub-Syster	•				
ERP LN					

Position 2	21	Field Format	an32	Field Status	С
Field Name		<u>Fax</u>			
Description		This field contains the Fax number			
Processing outgoing EDI Sub-System		None			
ERP LN		The Fax number fro mapped to this posi		ble field tccom130.tefx is	
Processing Incoming EDI Sub-System					
ERP LN					

Position	22	Field Format	an10	Field Status	С
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 E mapped to this position		le field tccom130.geoc is	
Processing Inco EDI Sub-Syster	0				
ERP LN					

Position	23	Field Format	an10	Field Status	С
Field Name		House Number		Key field	
Description		This field contains the house number referring to the address			
Processing outgo EDI Sub-System	•	None			
ERP LN		The house number from mapped to this position.		table field tccom130.hor	no is
Processing Incor EDI Sub-System	0				
ERP LN					

Position 24	4 Field Format	an10	Field Status	С
Field Name	P.O. Box Number		Key field	
Description	This field contains	This field contains the P.O. Box Number		
Processing outgoir EDI Sub-System	ng None			
ERP LN	The Box number fr mapped to this pos		ble field tccom130.pot	on is
Processing Incoming EDI Sub-System				
ERP LN				

Position 26	Field Format	an30	Field Status	С	
Field Name	<b>City Description</b>		Key field		
Description	This field contains th	This field contains the Description of the City			
Processing outgoing EDI Sub-System	None				
ERP LN	The string from ERP this position.	LN table fiel	d tccom130.dsca is r	napped to	
Processing Incoming EDI Sub-System					
ERP LN					

Position	30	Field Format	an8	Field Status	С	
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 this position.	table fiel	d tccom130.ccit is mappe	ed to	
Processing Incoming EDI Sub-System						
ERP LN						

Position	31	Field Format	an7	Field Status	М
Field Name		Data Record end	<u>sign</u>		
Description		This field identifies contains the const		data record in the messa A8_END'.	ge block. It
Processing out	0 0				
ERP LN		This field will be fil	lled with the o	constant value 'SA8_EN	D'.
Processing Inco EDI Sub-Syster	•				
ERP LN					

## Chapter 3 Definitions, Acronyms, and Abbreviations

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

## Appendix A Sample File

# A

Example Outgoing message

"SA1";"ETN08071410425900000000000000000002";"ETN293";"PVZ";20080082;"293002099";"etcu s1";"BEMIS"; "INV001";"";":20080714;1042;"SA1\_END"

"SA2";"ETN080714104259000000000000000002";"ETN293";"PVZ";20080082;"293002099";"";20 080714;20080714;";"";"";"";"";"";"";"";"";"3030";"30days credit";30;0;0;;;"";"ETCUS1";"ZZ";"1";"ETCUS1";"ZZ";"ITBP";"ETCUS1";"ZZ";"PBBP"; "ETCUS1";"ZZ";"0";"EUR";20080714;160.76;136;0;0;136;;"ETCUS1";;24.76;"";"SA2\_END"

"SA3";"ETN0807141042590000000000000000002";"ETN293";"PVZ";20080082;"293002099";"1";" NLD"; "com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";

"";"103";"";;"Amsterdam";"AMS";;"SA3\_END"

"SA3";"ETN080714104259000000000000000002";"ETN293";"PVZ";20080082;"293002099";"ITBP ";"NLD"; "com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975"; "";"103";"";;"Amsterdam";"AMS";;"SA3\_END"

"SA3";"ETN080714104259000000000000000002";"ETN293";"PVZ";20080082;"293002099";"PBB P";"NLD"; "com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975"; "";"103";"";;"Amsterdam";"AMS";;"SA3\_END" "SA3";"ETN080714104259000000000000000000002";"ETN293";"PVZ";20080082;"293002099";"0";" NLD";

"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"";"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975";

"";"103";"";;"Amsterdam";"AMS";;"SA3\_END"

"SA4";"ETN080714104259000000000000000000002";"ETN293";"PVZ";20080082;"293002099";"Hea der Text SO 2097";"from customer ETCUS1";"SA4\_END"

"SA5";"ETN0807141042590000000000000000002";"ETN293";"PVZ";20080082;"293002099";"HIG H";"ZZ";100;19; "SA5 END"

"SA5";"ETN0807141042590000000000000000002";"ETN293";"PVZ";20080082;"293002099";"VAT ";"ZZ";36;5.76; "SA5 END"

"SA6";"ETN0807141042590000000000000000002";"ETN293";"PVZ";20080082;"293002099";10;0;" ";"";"BP";

" ETSOT";"ET Sales Order Test";" ETSOT";"ETCUS1";"ZZ";"0";2;2;"pcs";50;"pcs";20080714;100; "WHS009913";0;0;"";"";"SA6\_END"

"SA6";"ETN080714104259000000000000000002";"ETN293";"PVZ";20080082;"293002099";20;0;" ";"";"BP"; " HBPEDI1";"Purchase Item";" HBPEDI1";"ETCUS1";"ZZ";"0";2;2;"pcs";18;"pcs";20080714;36; "WHS009913";0;0;"";"";"SA6\_END"

"SA8";"ETN080714104259000000000000000002";"ETN293";"PVZ";20080082;"293002099";10;0;" 0";"NLD"; "com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975"; "";"103";"";;"Amsterdam";;;;;"AMS";"SA8\_END" "SA8";"ETN08071410425900000000000000000002";"ETN293";"PVZ";20080082;"293002099";20;0;" 0";"NLD";

"com110:Amsterdam Weesperstraat 103";"";"Weesperstraat";"";;"1018VN";"NH";"(0)20-6203239";"";"(0)20-6268975"; "";"103";"";;"Amsterdam";;;;"AMS";"SA8\_END"