Definition of BEMIS RDN001 Import and Export File for Business Document Receipt Discrepancy Notification

INFOR™

Publication Information

Document code: D9466B US

Release: ERP LN 6.1 Electronic Commerce

Publication date: November 09

Table of Contents

About this Guide

Objective

This document describes the content and the corresponding structure of the EDI message "Receipt Discrepancy Notification", 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   RECADV

- ANSI X12   861

- VDA

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 Receipt Discrepancy Notification.

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 Receipt Discrepancy Notification.

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 RDN001.

Intended audience

This document is intended for the following categories of users:

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

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

References

The following documents might be of importance:

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

Send us your comments

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

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

Chapter 1
General Principles

Available types of data records

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

ID	Status	Name
SA1	M	Global Overhead
SA2	M	Shipment Notice Header
SA3	M	Shipment Address
SA4	C	Shipment Notice Header Text
SA5	C	Shipment Notice EDI Information (Text)
SA6	C	Shipment Notice Routings
SA7	C	Shipment Notice Packaging
SA8	M	Shipment Notice Receipt Lines
SA9	C	Shipment Notice Line Text
SA10	C	Shipment Notice Item Load Information

Branching diagrams

The following data record structure is used for the BEMIS message type Receipt Discrepancy Notification:

Level
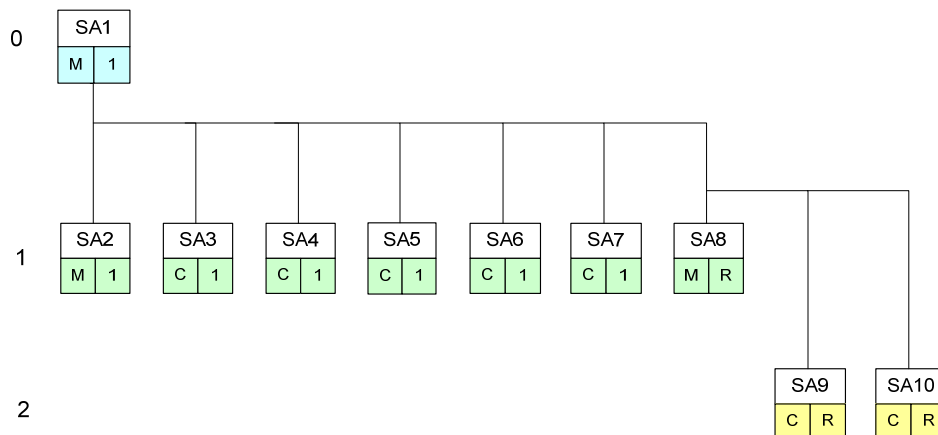
Legend:

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

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

SA1 ... Global Overhead

SA2 ... Shipment Notice Header1

     SA3 … Shipment Notice Header 1 Address

     SA4 ... Shipment Notice Header 1 Text

     SA5 ... Shipment Notice Header 1 EDI Information

     SA6 ... Shipment Notice Routing 1

     SA7.... Shipment Notice Packaging 1

     SA8 … Shipment Notice / Receipt Line 11

SA9 … Shipment Notice Line 11 Text

SA10 … Shipment Notice Item Load Information

SA8 ... Shipment Notice / Receipt Line 12

SA9 … Shipment Notice Line 12 Text

SA10 … Shipment Notice Item Load Information

SA1 ... Global Overhead

SA2 ... Shipment Notice Header2

SA3 … Shipment Notice Header 2 Address

SA5 ... Shipment Notice Header 1 EDI Information

SA6 ... Shipment Notice Routing 2

SA7.... Shipment Notice Packaging 2

SA8 … Shipment Notice / Receipt Line 21

SA9 … Shipment Notice Line 21 Text

SA10 … Shipment Notice Item Load 21 Information

SA8 ... Shipment Notice / Receipt Line 22

SA10 … Shipment Notice Item Load 22 Information

Key fields outgoing

The outgoing message refers to the Ship-from-BP and the receipt Shipment Notice. The following structure of the key fields is used to determine the corresponding data records of a RDN message:

Sorted by Key					
Kind Data Rec.		**key 1**	**key 2**	**key 3**	**Key 4**
field 1	Backpt				
SA1		Message ref.	BP net ID		
SA2	1	Message ref.	BP net ID		
SA3	2	Message ref.	BP net ID	Shipment	
SA4	2	Message ref.	BP net ID	Shipment	
SA5	2	Message ref.	BP net ID	Shipment	
SA6	2	Message ref.	BP net ID	Shipment	
SA7	2	Message ref.	BP net ID	Shipment	
SA8	2	Message ref.	BP net ID	Shipment	
SA9	8	Message ref.	BP net ID	Shipment	Shipment Notice Line
SA10	8	Message ref.	BP net ID	Shipment	Shipment Notice Line

Key fields incoming

The incoming message refers to the Ship-to-BP and the sent Shipment Notice. The following structure of the key fields is used to determine the corresponding data records of an RDN message:

Sorted by Key					
Kind Data Rec.		**key 1**	**key 2**	**key 3**	**Key 4**
field 1	Backpt				
SA1		Message ref.	BP net ID		
SA2	1	Message ref.	BP net ID		
SA3	2	Message ref.	BP net ID	Shipment	
SA4	2	Message ref.	BP net ID	Shipment	
SA5	2	Message ref.	BP net ID	Shipment	
SA6	2	Message ref.	BP net ID	Shipment	
SA7	2	Message ref.	BP net ID	Shipment	
SA8	2	Message ref.	BP net ID	Shipment	
SA9	8	Message ref.	BP net ID	Shipment	Shipment Line
SA10	8	Message ref.	BP net ID	Shipment	Shipment Line

Business partner relations

The following table shows the business partner relations:

Outgoing Receipt Discrepancy Notific.		Incoming Receipt Discrepancy Notific.	
ID of the sender	ecedi020.neta	Business Partner	ecedi702.bpid
Warehouse Code	whinh300.cwar	Ship-to BP Code	whinh430.stco

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 receipt discrepancy notifications, 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/ReceiptDiscrepancy/

ERP LN will additionally create the following subdirectories:

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

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

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

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

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

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

The above mentioned directories refer to one message type, "receipt discrepancy notification. 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 receipt discrepancy notification, which is being described in this documentation, is defined in the following way:

Direction	File Name	Network Directory
outgoing	RDN001	/${BSE}/edi/bemis/ReceiptDiscrepancy/appl_from
incoming	RDN001	/${BSE}/edi/bemis/ReceiptDiscrepancy/appl_to

ERP LN BEMIS messages – conventions

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

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

- The length of the several data segments can vary.

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

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

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

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

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

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

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

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

INVOICE IN-HOUSE FORMAT

Pos	Field description	Key	ST	FM

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

Pos   Position of the field in the data record

Field description   Description of the field

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

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

FM   Field format, for example.

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

        an14 = alphanumerical field with exactly 14 characters

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

        n1 = numerical field with exactly 1 character

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

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

Table Field	Action

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

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

What is new in comparison to BEMIS for BAAN V?

The message Receipt Discrepancy Notification is a new one in ERP LN; it does not exist in Baan V or previous Product Versions. This message refers to the sent or to the received supplier's Shipment Notification (ASN).

What is new in comparison to BEMIS for Feature Pack 3 for Infor ERP LN 6.1?

The new version is based on the version for Feature Pack 3 for Infor ERP LN 6.1 and can only be used up from Feature Pack 6 for ERP LN 6.1.

Changes SA2 – Shipment Notice Header

Field Number	Outgoing	Incoming
8 – new	NA	whinh430.pddt
9 – new	NA	whinh430.prdt
22 - new	NA	whinh430.cdat old position was 8

Chapter 2
Data Record Description by Type of Data Record

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

SA1 Message Overhead

Status:	Mandatory
Frequency:	Once by a Receipt Shipment Notification (RDN)
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.

RDN In-house Format					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA1		SA1	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)

RDN In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
4	Shipment / Order Reference	M	an..9 an..17	whinh300.shid		ecedi702.msno	
5	Network Address	M	an..6	ecedi028.neta			
6	Organization	M	an..6	ecedi003.code	Conversion (see below)	ecedi702.orga	Conversion (see below)
7	Messages	M	an..6	ecedi001.code		ecedi701.mess	
8	Order Type	M	an..35	ecedi011.koor	Conversion (see below)	ecedi702.koor	Conversion (see below)
9	Identifier of Test	C	an1	ecedi003.test		ecedi702.test	
10	Transmission Date / Time	M	n..8 n..14	current date		ecedi702.send	
11	Transmission Time	M	n..6	current time		empty	
12	Data record end sign	M	an7	SA1_END		SA1_END	

Detailed description: Receipt Discrepancy Notification

Kind of data record: SA1 Overhead

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

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA1'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA1'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA1'.
ERP LN	None

Position	2	Field Format	an..14	Field Status	M
Field Name		**Message Reference**		Key field Out / IN	

Description	This field identifies all connected data records of one RDN. The numbering, which has to be clear by RDN, helps to control the chronological order of the RDN message and the complete transmission. The field consists of a fix item with four characters, the current date (format: YYMMDD) and a serial number with four characters.
	The special format will be defined in the network parameters in the ERP LN table ecedi020. When generating the message reference with the EDI Sub-System, the created message reference needs to be specific, which means unique. While storing the message reference ERP LN controls whether it is specific.
Processing outgoing EDI Sub-System	
ERP LN	ERP LN generates this number to identify an RDN, stores it in the ERP LN table field ecedi701.bano and writes it into all data records of an order.
Processing Incoming EDI Sub-System	The EDI Sub-System generates this number to identify an order and writes it into all data records of an RDN.
ERP LN	Mapping to ERP LN table field ecedi702.bano.

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

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	Transmission of the value from the message file.
ERP LN	The identification is stored in the ERP LN table ecedi020 'Our Identification' under the corresponding network in the ERP LN table field ecedi020.neta. The content of this field is mapped to the position of the transmission file. Here you can store the general ILN-Number for your customer.
Processing Incoming EDI Sub-System	
ERP LN	The identification of the sender determines the corresponding business partner (customer) and the network in the table ecedi028 'Relations by network'. This identification is mapped to the ERP LN table field ecedi702.bpid.

Position	4	Field Format	an..17	Field Status	M
Field Name		**Shipment / Order Reference**			

Description	This field contains the Ship-from BP's Shipment number or the Order Reference which refers to the receipt goods.
Processing outgoing EDI Sub-System	
ERP LN	The shipment number whinh300.shid is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	The reference is mapped to the ERP LN table field ecedi702.msno.

Position	5	Field Format	an..17	Field Status	M
Field Name		**Net ID of Receiver**			

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

Position	6	Field Format	an..6	Field Status	M
Field Name		**Organization**			

Description	This field contains the organization (Standard), which is used for the EDI communication.
Processing outgoing EDI Sub-System	
ERP LN	The internal organization code ecedi003.code 'BEMIS' from the ERP LN table ecedi003 'Organizations' is mapped to this position.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'BEMIS'.
ERP LN	Mapping to ERP LN table field ecedi702.orga. The corresponding Organization must have been entered into the ERP LN table ecedi003.

Position	7	Field Format	an..6	Field Status	M
Field Name		**Message**			

Description	This field contains the code for the identification of the concerned message. The code for the message type 'Receipt Discrepancy Notification' is RDN001.
Processing outgoing EDI Sub-System	.
ERP LN	The internal message code ecedi001.code 'RDN001' of the ERP LN table ecedi001 'Supported EDI messages' is mapped to this position.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'RDN001'.
ERP LN	The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this RDN. In the ERP LN table ecedi005 'EDI Messages' is determined for every message which session (DLL) is used in ERP LN to process the RDN. The message code is mapped to the ERP LN table field ecedi702.mess.

Position	8	Field Format	an..35	Field Status	M
Field Name		**Order Type**			

Description	This field contains a code for the concerned order type.
Processing outgoing EDI Sub-System	
ERP LN	In the ERP LN table ecedi011 there must be an entry for this order type in connection with the respective message and organization. The ERP LN table field ecedi011.koor is mapped to this position. Currently the constant empty (;"";) is used.
Processing Incoming EDI Sub-System	
ERP LN	Mapping to ERP LN table field ecedi702.koor. In the ERP LN table ecedi200 there must be an entry for this order type in connection with the respective message and organization.

Position	9	Field Format	an1	Field Status	C
Field Name		**Identifier of Test**			

Description	This field contains the code that will identify incoming messages for this organization as test messages. A test message is checked, but not copied to the database.
Processing outgoing EDI Sub-System	
ERP LN	The position will be filled with the ERP LN table field ecedi003.test
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.
ERP LN	Mapping to ERP LN table field ecedi702.test.

Position	10	Field Format	n..8 / n..14	Field Status	M
Field Name		**Transmission Date / Time**			

Description	This field contains on the outgoing side the current date, on which the RDN message was created. On the incoming side, this field contains the arrival date / time of the order at the EDI Sub-System (format: YYYYMMDDHHMMSS).
Processing outgoing EDI Sub-System	
ERP LN	Mapping of the current date to the position.
Processing Incoming EDI Sub-System	Entry of the arrival date / time of the message at the EDI Sub-System.
ERP LN	Mapping to ERP LN table field ecedi702.send

Position	11	Field Format	n..6	Field Status	M
Field Name		**Transmission's Time**			

Description	This field contains on the outgoing side the current time of the date in Pos. 10, on which the RDN message was created.
Processing outgoing EDI Sub-System	
ERP LN	Mapping of the current time to the position.
Processing Incoming EDI Sub-System	Entry of the arrival date / time of the message at the EDI Sub-System.
ERP LN	Mapping to ERP LN table field ecedi702.send

Position	12	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA1_END'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA1_END'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA1_END'.
ERP LN	None

SA2 Shipment Notice Header

Status: Mandatory

Frequency: Once by Receipt Discrepancy Notification

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

	RDN In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	**Field Description**	**Key**	**ST**	**FM**	**Table field**	**Action**	**Table field**	**Action**
1	Kind of data record	O/I	M	an3	SA2		SA2	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Shipment / Order Reference		M	an..9 an..17	whinh300.shid		ecedi702.msno	
5	Shipment / Supplier's ASN no.		M	an..30 an..9	whinh302.asnr		whinh430.shpm	
6	Bill of Loading		C	an..30	whinh302.bola			
7	Packing Slip		C	an..30	whinh302.pcsp			
8	Planned Delivery Date		C	n..14	whinh300.shdt		whinh430.pddt	
9	Planned Receipt Date		C	n..14	whinh300.pddt		whinh430.prdt	
10	Freight Value		C	an..30	whinh300.fval		whinh430.fval	
11	Currency		C	an..6	whinh300.curr	Code and Conversion	whinh430.curr	Code and Conversion
12	Total Weight		C	n..14	whinh300.wght		whinh430.wght	

	RDN In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
13	Unit of Measure	C	an..3	whinh300.cwun	Code and Conversion	whinh430.cwun	Code and Conversion
14	Ship-to Code	C	an..9	whinh300.cwar	Conversion	whinh430.stco	Conversion
15	Qualifier Address code	M	an..6	"ZZ"		"ZZ"	
16	Address/ BP Code	M	an..6	"CWAR"		"SIBP"	
17	Hazardous Material	C	an1	whinh300.hazm			
18	Kind of Charge	C	an..2	whinh300.koch		whinh430.koch	
19	Charge Amount	C	an..16	whinh300.cham		whinh430.cham	
20	Terms of Delivery	C	an..6	whinh300.cdec	Code and Conversion	whinh430.cdec	Code and Conversion
21	Point of Title passage	C	an..9	whinh300.ptpa	Conversion	whinh430.ptpa	Conversion
22	Shipping Date / Confirmed	C	n..14			whinh430.cdat	
23							
24							
25	Data Record End Sign	O/I M	an7	SA2_END		SA2_END	

Detailed description: Receipt Discrepancy Notification

Kind of data record: SA2 Shipment Notice Header

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

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA2'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA2'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA2'.
ERP LN	None

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

Description	This field identifies all connected data records of one RDN. The numbering, which has to be clear by RDN, helps to control the chronological order of the RDN messages and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Analogously to data record SA1
Processing Incoming EDI Sub-System	
ERP LN	Analogously to data record SA1

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

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	Transmission of the value from the message file.
ERP LN	Analogously to data record SA1
Processing Incoming EDI Sub-System	
ERP LN	Analogously to data record SA1

Position	4	Field Format	an 9 /an..17	Field Status	M
Field Name		**Shipment / Order Reference**			

Description	This field contains the Ship-from BP's Shipment number or the Order Reference which refers to the receipt goods.
Processing outgoing EDI Sub-System	
ERP LN	The shipment number whinh300.shid is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	The reference is mapped to the ERP LN table field ecedi702.msno.

Position	5	Field Format	an..9 / an..30	Field Status	M
Field Name		**Supplier's ASN Number /** **Shipment**			

Description	This field contains the own shipment respectively the supplier's ASN number.
Processing outgoing EDI Sub-System	None
ERP LN	The Shipment number is mapped from ERP LN table field whinh302.asnr to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to ERP LN table field whinh430.shpm.

Position	6	Field Format	an..30	Field Status	C
Field Name		**Bill of Loading**			

Description	This field contains the buy-from business partner's bill of lading.
Processing outgoing EDI Sub-System	None
ERP LN	The number is mapped from ERP LN table field whinh302.bola to this position.
Processing Incoming EDI Sub-System	.
ERP LN	N. A.

Position	7	Field Format	an..30	Field Status	C
Field Name		**Packing Slip**			

Description	This field contains the buy-from business partner's Packing Slip number.
Processing outgoing	
EDI Sub-System	None
ERP LN	The number is mapped from ERP LN table field whinh302.pcsp to this position.
Processing Incoming	
EDI Sub-System	.
ERP LN	N. A.

Position	8	Field Format	an..14	Field Status	C
Field Name		**Planned Delivery Date / Time**			

Description	This field contains the date / time (YYYYMMDDHHMMSS) the shipment is planned to be delivered.
Processing outgoing	
EDI Sub-System	None
ERP LN	The confirmed date / time from ERP LN table field whinh300.shdt 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 whinh430.pddt.

Position	9	Field Format	an..14	Field Status	C
Field Name		**Planned Receipt Date / Time**			

Description	This field contains the date / time (YYYYMMDDHHMMSS) the original order was entered in the system.
Processing outgoing EDI Sub-System	None
ERP LN	The planned delivery date / time from ERP LN table field whinh300.shdt 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 whinh430.prdt

Position	10	Field Format	an..16	Field Status	C
Field Name		**Freight Value**			

Description	This position contains the amount of the value of the goods which should be delivered. Regarding the currency please refer to position 22.
	Field Format: NNNNNNNNNNN.NNNN (11.4)
Processing outgoing EDI Sub-System	None
ERP LN	The Freight Value of the dispatch advice from ERP LN table field whinh300.fval 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 whinh430.fval.

Position	11	Field Format	an..6	Field Status	C
Field Name		**Currency**			

Description	This field contains the Currency relevant for the RDN. It contains the clear alphanumerical identification of the currency. The currency code will be defined according to ISO 4217. For detailed information please refer to [ ]
Processing outgoing	
EDI Sub-System	None
ERP LN	The Currency relevant for the own shipment from ERP LN table field whinh300.curr is mapped to this position and converted using table ecedi438.
Processing Incoming	
EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field whinh430.curr and conversion with ERP LN table ecedi324.

Position	12	Field Format	an..16	Field Status	C
Field Name		**Total weight**			

Description	This field contains the total weight of the goods which should be delivered referring to the Unit of Measure (Pos. 13).
	Field Format: NNNNNNNNNNN.NNNN (11.4)
Processing outgoing	
EDI Sub-System	None
ERP LN	The total weight of the shipment from ERP LN table field whinh300.wght 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 whinh430.wght.

Position	13	Field Format	an..3	Field Status	C
Field Name		**Unit of Measure**			

Description	This field contains the weight unit of the item
Processing outgoing EDI Sub-System	None
ERP LN	The weight unit from ERP LN table field whinh300.cwun is mapped to this position and converted using table eced442.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field whinh431.cwun and conversion with ERP LN table ecedi304.

Position	14	Field Format	an..9	Field Status	C
Field Name		**Warehouse / Ship-to BP**			

Description	This position contains the code of the Warehouse (OUT) respectively the Ship-to Business Partner (IN).
Processing outgoing EDI Sub-System	None
ERP LN	The Ship-to BP Code from ERP LN table field whinh300.cwar is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	The Warehouse Code has to convert using the conversion table ecedi355, and it has to map to the ERP LN table field whinh430.stco.

Position	15	Field Format	an..6	Field Status	M
Field Name		**Qualifier Address Code**			

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

Processing outgoing
EDI Sub-System | None

ERP LN | "ZZ"

Processing Incoming
EDI Sub-System

ERP LN | "ZZ"

Position	16	Field Format	an..6	Field Status	M
Field Name		**Address/ BP Code**			

Description | This position is used to send a constant value in the outgoing message.

Processing outgoing
EDI Sub-System | None

ERP LN | Use the code "CWAR"

Processing Incoming
EDI Sub-System

ERP LN | Use the code "SIBP" to identify the Ship-to BP.

Position	17	Field Format	an1	Field Status	C
Field Name		**Hazardous Material**			

Description	This position contains a qualifier if the goods are hazardous material. "0" means empty; "1" means "Yes"; "2" means "No"
Processing outgoing EDI Sub-System	
ERP LN	The qualifier from ERP LN table field whinh300.koch is mapped to this position
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	18	Field Format	an...2	Field Status	C
Field Name		**Kind of Charge**			

Description	This position contains the kind of charge referring to the shipment.
Processing outgoing EDI Sub-System	
ERP LN	The code for the Kind of Charge from ERP LN table field whinh300.koch 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 whinh430.koch

Position	19	Field Format	an...16	Field Status	C
Field Name		**Charge Amount**			

Description	This position contains the charge amount referring to the shipment.
Processing outgoing EDI Sub-System	
ERP LN	The Charge Amount from ERP LN table field whinh300.cham 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 whinh430.cham

Position	20	Field Format		an..6	Field Status		C
Field Name		**Terms of Delivery**					

Description	This field contains a code for the Term of Delivery. This field indicates how to frank the shipment. It contains a unique alphanumerical identification.
	You could use the EDIFACT notification or an own definition, for example CFR = Cost and Freight
	CIF = Cost, Insurance and Freight
	DES = Delivered Ex Ship
	DDU = Delivered Duty Unpaid
	FCA = Free Carrier
Processing outgoing EDI Sub-System	None
ERP LN	The purchase contract number is mapped from ERP LN table whinh300.cdec to this position after conversion with ERP LN table ecedi430.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field whinh430.cdec after conversion with ERP LN table ecedi300.

Position	21	Field Format		an..9	Field Status		C
Field Name		**Point of title Passage**					

Description	The field identifies the point at which the legal ownership changes.
Processing outgoing EDI Sub-System	None
ERP LN	The ERP LN table field whinh300.ptpa is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the EREP LN table field whinh430.ptpa.

Position	22	Field Format	an..14	Field Status	C
Field Name		**Shipping Date / Confirmed**			

Description	This field contains the date / time (YYYYMMDDHHMMSS) the shipment is shipped / confirmed.
Processing outgoing EDI Sub-System	
ERP LN	
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to ERP LN table field whinh430.cdat.

The positions 23 to 24 are not used currently.

Position	25	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

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

SA3 Shipment Addresses

Status:	Conditional
Frequency:	Once by Receipt Discrepancy Notification
Description:	This data record contains the specific addresses of the Shipment, and it s related to data record SA2.

	RDN In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA3		SA3	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Shipment / Order Reference		M	an..9 an..17	whinh300.shid		ecedi702.msno	
5	Address Qualifier		M	an..6	ecedi224.code	Conversion		
6	Country		C	an..3	tccom130.ccty	Code and conversion		
7	Name		C	an..35	tccom130.nama			
8	Name 2		C	an..35	tccom130.namb			
9	Address		C	an..30	tccom130.namc			
10	Address 2		C	an..30	tccom130.namd			
11								
12	City 2		C	an..30	tccom130.namf			
13	ZIP / Postal Code		C	an..10	tccom130.pstc			

RDN In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
14	State / Province	C	an..2	tccom130.cste	
15	Telephone	C	an..32	tccom130.telp	
16	Telex	C	an..15	tccom130.telx	
17	Fax	C	an..32	tccom130.tefx	
18	GEO Code	C	an..10	tccom130.geoc	
19	House number	C	an..10	tccom130.hono	
20	P.O. Box Number	C	an..10	tccom130.pobn	
21					
22	Data Record End Sign	O/I M	an7	SA3_END	SA3_END

Detailed description: Receipt Discrepancy Notification

Kind of data record: SA3 Shipment Addresses

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

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA3'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA3'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA3'.
ERP LN	None

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

Description	This field identifies all connected data records of one RDN. The numbering, which has to be clear by RDN, helps to control the chronological order of the RDN messages and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

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

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	Transmission of the value from the message file.
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	4	Field Format	an..17	Field Status	M
Field Name		**Shipment / Order Reference**			

Description	This field contains the Ship-from BP's Shipment number or the Order Reference which refers to the receipt goods.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	5	Field Format	an..14	Field Status	C
Field Name		**Address Qualifier Ship-to BP**			

Description	This field contains the Qualifier which identifies the next data set as an address referring to the Ship-to Business Partner.
	This qualifier must be entered in ERP LN table ecedi224 regarding to the used organization.
Processing outgoing EDI Sub-System	None
ERP LN	The field is filled in from ERP LN table field ecedi224.code.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	6	Field Format	an..3	Field Status	C
Field Name		**Country**			

Description	This field contains the Country of the Address.
	The country codes have to be defined in ERP LN table ecedi226.
Processing outgoing EDI Sub-System	None
ERP LN	The country code of the address from ERP LN table field tccom130.ccty is mapped to this position and converts with ERP LN table ecedi440.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	7	Field Format	an..35	Field Status	C
Field Name		**Name**			

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

Position	8	Field Format	an..30	Field Status	C
Field Name		**Name 2**			

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

Position	9	Field Format	an..14	Field Status	C
Field Name		Address			

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

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

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

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

Description	This field contains further information of the City (province / country) referring to the Ship-to BP.
Processing outgoing	
EDI Sub-System	None
ERP LN	The City information from ERP LN table field tccom130.namf is mapped to this position.
Processing Incoming	
EDI Sub-System	
ERP LN	N. A.

Position	13	Field Format	an..10	Field Status	C
Field Name		**ZIP / Postal Code**		**Key field**	

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

Position	14	Field Format	an..2	Field Status	C
Field Name		**State / Province**			

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

Position	15	Field Format	an..32	Field Status	C
Field Name		**Telephone**			

Description	This field contains the telephone number
Processing outgoing EDI Sub-System	None
ERP LN	The Telephone number from ERP LN table field tccom130.telp is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	16	Field Format	an..15	Field Status	C
Field Name		**Telex**			

Description   This field contains the telex number

Processing outgoing
EDI Sub-System   None

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

Processing Incoming
EDI Sub-System

ERP LN   N. A.

Position	17	Field Format	an..32	Field Status	C
Field Name		**Telefax**			

Description   This field contains the Fax number

Processing outgoing
EDI Sub-System   None

ERP LN   The Fax number from ERP LN table field tccom130.tefx is mapped to this
                                position.

Processing Incoming
EDI Sub-System

ERP LN   N. A.

Position	18	Field Format	an..10	Field Status	C
Field Name		**GEO Code**			

Description   This field contains the GEO Code

Processing outgoing
EDI Sub-System   None

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

Processing Incoming
EDI Sub-System

ERP LN   N. A.

Position	19	Field Format	an..10	Field Status	C

Field Name		**House Number**

Description

This field contains the house number referring to the address

Processing outgoing
EDI Sub-System

None

ERP LN

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

Processing Incoming
EDI Sub-System

ERP LN

N. A.

Position	20	Field Format	an..10	Field Status	C

Field Name		**P.O. Box Number**

Description

This field contains the Ship-to BP's P.O. Box Number

Processing outgoing
EDI Sub-System

None

ERP LN

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

Processing Incoming
EDI Sub-System

ERP LN

N. A.

Position	22	Field Format	an7	Field Status	M

Field Name		**Data Record end sign**

Description

This field identifies the end of data record in the message block. It contains the constant value 'SA3_END'.

Processing outgoing
EDI Sub-System

ERP LN

This field will be filled with the constant value 'SA3_END'.

Processing Incoming
EDI Sub-System

This field will be filled with the constant value 'SA3_END'.

ERP LN

None

SA4 Shipment Notice Header Text

Status: Conditional

Frequency: Once by Receipt Discrepancy Notification

Description: This data record contains the text information of the Shipment Notice Header, and it is related to SA2.

Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
	RDN In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
1	Kind of data record	O/I	M	an3	SA4		SA4	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Shipment / Order Reference	O/I	M	an..9 an..17	whinh300.shid		ecedi702.msno	
5	Shipment text 1		C	an..80	whinh300.text		whinh430.text	
6	Shipment text 2		C	an..80			whinh430.text	
7	Data Record End Sign	O/I	M	an7	SA4_END		SA4_END	

Detailed description: Receipt Discrepancy Notification

Kind of data record: SA4 Shipment Notice Header Text

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

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA4'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA4'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA4'.
ERP LN	None

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

Description	This field identifies all connected data records of one RDN. The numbering, which has to be clear by RDN, helps to control the chronological order of the RDN messages and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

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

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	.
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	4	Field Format	an..17	Field Status	M
Field Name		**Shipment / Order Reference**		Key field Out / In	

Description	This field contains the Ship-from BP's Shipment number or the Order Reference which refers to the receipt goods.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	5	Field Format	an..80	Field Status	C
Field Name		**Shipment Header Text 1**			

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

Processing outgoing
EDI Sub-System

ERP LN   Mapping of ERP LN table field whinh300.text to position.

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

ERP LN   Mapping to ERP LN table field whinh430.text

Position	6	Field Format	an..80	Field Status	C
Field Name		**Shipment Header Text 2**			

Description   This field contains a free text 2 with a maximum of 80 characters on the
incoming side.

Processing outgoing
EDI Sub-System

ERP LN

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

ERP LN   Mapping to ERP LN table field whinh430.text

Position	7	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

Description   This field identifies the end of data record in the message block. It contains
the constant value 'SA4_END'.

Processing outgoing
EDI Sub-System

ERP LN   This field will be filled with the constant value 'SA4_END'.

Processing Incoming
EDI Sub-System

                                     This field will be filled with the constant value 'SA4_END'.

ERP LN   None

SA5 Shipment Notice EDI Information (Text)

Status: Conditional

Frequency: Once by Receipt Discrepancy Notification

Description: This data record contains the EDI text information of the
                    Shipment Notice Header, and it is related to SA2.

	RDN In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	**Field Description**	**Key**	**ST**	**FM**	**Table field**	**Action**	**Table field**	**Action**
1	Kind of data record	O/I	M	an3	SA5		SA5	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Shipment / Order Reference	O/I	M	an..9 an..17	whinh300.shid		ecedi702.msno	
5	EDI information 1		C	an..80	whinh300.iedi		whinh430.iedi	
6	EDI information 2		C	an..80			whinh430.iedi	
7	Data Record End Sign	O/I	M	an7	SA5_END		SA5_END	

Detailed description: Receipt Discrepancy Notification

Kind of data record: SA5 Shipment Notice EDI Information (Text)

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

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA5'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA5'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA5'.
ERP LN	None

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

Description	This field identifies all connected data records of one RDN. The numbering, which has to be clear by RDN, helps to control the chronological order of the RDN messages and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

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

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	.
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	4	Field Format	an..17	Field Status	M
Field Name		**<u>Shipment / Order Reference</u>**		**Key field Out / In**	

Description	This field contains the Ship-from BP's Shipment number or the Order Reference which refers to the receipt goods.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	5	Field Format	an..80	Field Status	C

Field Name	**EDI information 1**

Description	This field contains the EDI information (pos.1) with a maximum of 80 characters.
Processing outgoing EDI Sub-System	
ERP LN	Mapping of ERP LN table field whinh300.iedi to position.
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.
ERP LN	Mapping to ERP LN table field whinh430.iedi

Position	6	Field Format	an..80	Field Status	C

Field Name	**EDI information 2**

Description	This field contains the EDI information (pos.2) with a maximum of 80 characters on the incoming side.
Processing outgoing EDI Sub-System	
ERP LN	
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.
ERP LN	Mapping to ERP LN table field whinh430.iedi

Position	7	Field Format	an7	Field Status	M

Field Name	**Data Record end sign**

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA5_END'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA5_END'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA5_END'.
ERP LN	None

SA6 Shipment Notice Routing

Status:	Conditional
Frequency:	Multiple by Receipt Discrepancy Notification
Description:	This data record contains the specific routing information of the Shipment Notice, and it is related to SA2.

	RDN In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	**Field Description**	**Key**	**ST**	**FM**	**Table field**	**Action**	**Table field**	**Action**
1	Kind of data record	O/I	M	an3	SA6		SA6	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Shipment / Order Reference	O/I	M	an..9 an..17	whinh300.shid		ecedi702.msno	
5	Routing Sequence Code		C	an..2	whinh315.rscd			
6	Equipment Description Code		C	an..2	whinh315.edcd			
7	Equipment Initial		C	an..4	whinh315.eqin			
8	Equipment Number		C	an..10	whinh315.eqnr			
9	Carrier		C	an..20	whinh315.carr	Conversion		
10	Standard Carrier Alpha Code		C	an..20	tcmcs080.scac			
11	Transport Category		C	an..3	tcmcs080.trmd			
12	Seal Number		C	an..15	whinh315.seal			

RDN In-house Format					Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
13	Data Record End Sign	O/I	M	an7	SA6_END	SA6_END

Detailed description: Receipt Discrepancy Notification

Kind of data record: SA6 Shipment Notice Routings

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

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

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

Description	This field identifies all connected data records of one RDN. The numbering, which has to be clear by RDN, helps to control the chronological order of the RDN messages and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

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

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	.
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	4	Field Format	an..17	Field Status	M
Field Name		**Shipment / Order Reference**		**Key field Out / In**	

Description	This field contains the Ship-from BP's Shipment number or the Order Reference which refers to the receipt goods.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	5	Field Format	an..2	Field Status	C
Field Name		**Routing Sequence Code**			

Description	A priority code or number defining the position of the carrier in the sequence of carriers used for a shipment. Where more than one carrier is used, one must be first the next is second, and so on. For example, according to ANSI code specifications: A = Origin carrier 1 = First carrier after origin carrier 2 = Second carrier after origin carrier, and so on.
Processing outgoing EDI Sub-System	
ERP LN	The routing sequence code from ERP LN table field whinh315.rscd is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	6	Field Format	an..2	Field Status	C
Field Name		**Equipment Description Code**			

Description	This field contains a code identifying the type of equipment used for the shipment. For example TL = trailer..
Processing outgoing EDI Sub-System	
ERP LN	The equipment description code from ERP LN table field whinh315.edcd is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	7	Field Format	an..4	Field Status	C
Field Name		**Equipment Initial**			

Description	This field contains the prefix (or alphabetic part) of the equipment's ID code.
Processing outgoing EDI Sub-System	
ERP LN	Mapping of ERP LN table field whinh315.eqin to position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	8	Field Format	an..10	Field Status	C
Field Name		**Equipment Number**			

Description	This field contains the sequencing (or numeric) part of an equipment unit's ID code number.
Processing outgoing EDI Sub-System	
ERP LN	Mapping of ERP LN table field whinh315.eqnr to position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	9	Field Format	an..20	Field Status	C
Field Name		**Carrier**			

Description	This field contains Carrier's Code of the actual forwarding agent.
Processing outgoing EDI Sub-System	
ERP LN	The code for the forwarding agent from ERP LN table field whinh315.carr is mapped to this position and converted using table ecedi456..
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	10	Field Format	an..20	Field Status	C
Field Name		**Standard Carrier Alpha Code**			

Description	This field contains the standard alphabetic classification of common carriers. The common carriers can be classified by the standard alphabetic classification code.
Processing outgoing EDI Sub-System	
ERP LN	Mapping of ERP LN table field tcmcs080.scac to position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	11	Field Format	an..3	Field Status	C
Field Name		**Transport Category**			

Description	This field contains the type of transport provided by the carrier. If a carrier supplies more than one type of transport, you must define the carrier once for each type. For example "0" means empty position
Processing outgoing EDI Sub-System	
ERP LN	Mapping of ERP LN table field tcmcs080.trmd to position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	12	Field Format	an..15	Field Status	C
Field Name		**Seal Number**			

Description   This field contains the number on the shipment's seal.

Processing outgoing
EDI Sub-System

ERP LN   Mapping of ERP LN table field whinh315.seal to position.

Processing Incoming
EDI Sub-System

ERP LN   N. A.

Position	13	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

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

Processing outgoing
EDI Sub-System

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

Processing Incoming
EDI Sub-System
                                This field will be filled with the constant value 'SA6_END'.

ERP LN   None

SA7 Shipment Notice Packaging

Status:	Conditional
Frequency:	Multiple by Receipt Discrepancy Notification
Description:	This data record is related to SA2 and refers on the outgoing side to the Bill of Lading and contains the clustered Shipment Lines; the incoming side is not used currently

	RDN In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA7		SA7	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Shipment / Order Reference	O/I	M	an..9 an..17	whinh300.shid		ecedi702.msno	
5								
6	Packing Unit		C	an..3	whinh303.pkcd	Conversion		
7	Package Quantity		C	an..16	whinh303.pkqu			
8	(Package) Gross Weight		C	an..16	whinh303.pkwt			
9	Unit of Measure		C	an..3	whinh303.cwun	Conversion		
10	Data Record End Sign	O/I	M	an7	SA7_END		SA7_END	

Detailed description: Receipt discrepancy Notification

Kind of data record: SA7 Shipment Notice Packaging

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

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA7'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA7'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA7'.
ERP LN	None

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

Description	This field identifies all connected data records of one RDN. The numbering, which has to be clear by RDN, helps to control the chronological order of the RDN messages and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

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

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	.
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	4	Field Format	an..17	Field Status	M
Field Name		**Shipment / Order Reference**		Key field Out / In	

Description	This field contains the Ship-from BP's Shipment number or the Order Reference which refers to the receipt goods.
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	6	Field Format	an..3	Field Status	C
Field Name		**<u>Packaging Unit</u>**			

Description	This field contains
	(OUT) the units in which the packaging quantity is expressed
Processing outgoing EDI Sub-System	
ERP LN	Mapping of ERP LN table field whinh303.pkcd to position after conversion by ERP LN table ecedi442.
Processing Incoming EDI Sub-System	
ERP LN	N. A:

Position	7	Field Format	an..16	Field Status	C
Field Name		**<u>Package Quantity</u>**			

Description	This field contains
	(OUT) the number of packaging units on the Shipment Notice Header
Processing outgoing EDI Sub-System	
ERP LN	Mapping of ERP LN table field whinh303.pkqu to position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	8	Field Format	an..16	Field Status	C
Field Name		**(Package) Gross Weight**			

Description	This field contains
	(OUT) the number of packaging weight units on the Shipment Notice Header
Processing outgoing EDI Sub-System	
ERP LN	Mapping of ERP LN table field whinh303.pkwt to position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	9	Field Format	an..3	Field Status	C
Field Name		**Unit of Measure**			

Description	This field contains
	(OUT) the unit in which the packaging weight is expressed
Processing outgoing EDI Sub-System	
ERP LN	Mapping of ERP LN table field whinh303.cwun to position after conversion by ERP LN table ecedi442.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	10	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA7_END'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA7_END'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA7_END'.
ERP LN	None

SA8 Shipment Notice / Receipt Lines

Status: Mandatory

Frequency: Multiple by Receipt Discrepancy Notification

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

	RDN In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	**Field Description**	**Key**	**ST**	**FM**	**Table field**	**Action**	**Table field**	**Action**
1	Kind of data record	O/I	M	an3	SA8		SA8	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Shipment / Order Reference	O/I	M	an..9 an..17	whinh301.shid		ecedi702.msno	
5	Reference Line Number / Shipment Position		M	an..16 n..5	ecedi705.refn		whinh431.pono	
6	Order	C		an..6	whinh301.worn			
7	Order Line	C		an..6	whinh301.wpon			
8	Line's Sequence	C		an..6	whinh301.wsqn			
9	Item		M	an..9	whinh301.item	Conversion	whinh431.item	Conversion
10	Qualifier Item Code		M	an..6	SA		SA	
11	Shipped Quantity in Inventory Unit		M	n..16	whinh301.squa		whinh431.qshp	
12	Unit of Measure		M	an..3	whinh301.cuni	Code and Conversion	whinh431.cuni	Code and Conversion

	RDN In-house Format			Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
13	CUM shipped	C	n..16	whinh301.cums			
14	Gross Weight	C	an..16	whinh301.grwt		whinh431.grwt	
15	Net Weight	C	an..16	whinh301.ntwt		whinh431.ntwt	
16	Weight Unit	M	an..3	whinh301.cwun	Code and Conversion	whinh431.cwun	Code and Conversion
17	Lot	C	an..30 an..20	whinh301.clot	Conversion	whinh431.clot	Conversion
18	Qualifier Lot	C	an..6	ZZ		ZZ	
19	(Confirmed) Receipt Quantity	M	n..16	whinh301.rqua		whinh431.qrcp	
20							
21							
22							
23	Text	C	an..80			whinh431.text	
24	Discrepancy Code / Text	C	an..6 an..80	ecedi447.codm		whinh431.text	
25	Data record end sign	M	an..7	SA8_END		SA8_END	

Detailed description: Receipt Discrepancy Notification

Kind of data record: SA8 Shipment Notice / Receipt Lines

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

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA8'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA8'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA8'.
ERP LN	None

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

Description	This field identifies all connected data records of one RDN. The numbering, which has to be clear by RDN, helps to control the chronological order of the RDN messages and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	3	Field Format	an..17	Field Status	M
Field Name		**Net ID of sender**		**Key field Out**	

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	Transmission of the value from the message file.
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	4	Field Format	an..9 / an..17	Field Status	M
Field Name		**Shipment / Order Reference**		**Key field Out / In**	

Description	This field contains the Ship-from BP's Shipment number or the Order Reference which refers to the receipt goods.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	5	Field Format	n..4/n..9	Field Status	M
Field Name		**Reference Line Number /** **Shipment Position**			

Description   This field contains the Shipment Notice Position Number.

Processing outgoing
EDI Sub-System   None

ERP LN   The line number from ERP LN table field ecedi705.refn 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 whinh431.pono field

Position	6	Field Format	an..6	Field Status	C
Field Name		**Order Number**			

Description   This field contains the original order number.

Processing outgoing
EDI Sub-System

ERP LN   The order number from ERP LN table field whinh301.worn is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN   N. A.

Position	7	Field Format	an..6	Field Status	C
Field Name		**Order Position**			

Description	This field contains the order position.
Processing outgoing EDI Sub-System	
ERP LN	The order position from ERP LN table field whinh301.wpon is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	8	Field Format	an..6	Field Status	C
Field Name		**Order Line Sequence**			

Description	This field contains the order line's sequence.
Processing outgoing EDI Sub-System	
ERP LN	The customer order line's sequence from ERP LN table field whinh301.wsqn is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	9	Field Format	an..47	Field Status	M
Field Name		**Item Code**			

Description	This field contains the Buyer's item code.
Processing outgoing	
EDI Sub-System	
ERP LN	The item code from ERP LN table field whinh301.item is mapped to this position after conversion using the corresponding qualifier in pos. 10.
Processing Incoming	
EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field whinh431.item after conversion using the given qualifier of pos. 10.

Position	10	Field Format	an..6	Field Status	C
Field Name		**Qualifier Item Code**			

Description	This field contains the qualifier for the item code.
Processing outgoing	
EDI Sub-System	None
ERP LN	This field will be filled with ecedi011.code, for example "SA"
Processing Incoming	
EDI Sub-System	"SA".
ERP LN	Used as qualifier for the conversion of the item code.

Position	11	Field Format	n..16	Field Status	M

Field Name	**Shipped Quantity in Inventory** **Unit**

Description   The quantity of goods which should actually be shipped
Field Format: NNNNNNNNNN.NNNN (11.4).

Processing outgoing
EDI Sub-System

ERP LN   The shipped quantity from ERP LN table field whinh301.squa 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 whinh431.qshp.

Position	12	Field Format	an..3	Field Status	M

Field Name	**Unit of Measure**

Description   This field contains the unit of shipped and the shipped cumulative quantity.

Processing outgoing
EDI Sub-System

ERP LN   The unit from ERP LN table field whinh301.cuni is mapped to this position and converted with ERP LN table ecedi442.

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

ERP LN   Mapping to the ERP LN table field whinh431.cuni and conversion with the table ecedi304 is possible.

Position	13	Field Format	n..16	Field Status	C
Field Name		**Shipped Cumulative quantity**			

Description	The total cumulative quantity of goods (CUM shipped) that is shipped by your business partner.
	Field Format: NNNNNNNNNN.NNNN (11.4).
Processing outgoing EDI Sub-System	
ERP LN	The CUM shipped from ERP LN table field whinh301.cums is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	14	Field Format	n..16	Field Status	C
Field Name		**Gross Weight**			

Description	This field contains the total weight amount of the item.
Processing outgoing EDI Sub-System	
ERP LN	The unit from ERP LN table field whinh301.grwt 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 whinh431.grwt.

Position	13	Field Format	n..16	Field Status	C
Field Name		**Net_Weight**			

Description	This field contains the net weight of the item.
Processing outgoing EDI Sub-System	
ERP LN	The unit from ERP LN table field whinh301.ntwt 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 whinh431.ntwt.

Position	16	Field Format	an..3	Field Status	C
Field Name		**Weight Unit**			

Description   This field contains the corresponding unit of item's gross and net weight.

Processing outgoing
EDI Sub-System

ERP LN   The unit from ERP LN table field whinh301.cwun is mapped to this position and converted with ERP LN table ecedi442.

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

ERP LN   Mapping to the ERP LN table field whinh431.cwun and conversion with the table ecedi304 is possible.

Position	17	Field Format	an..20 / an..30	Field Status	C
Field Name		**Lot**			

Description   This field contains the item's lot.

Processing outgoing
EDI Sub-System

ERP LN   The lot from ERP LN table field whinh301.clot is mapped to this position after conversion by ERP LN table ecedi477 using the qualifier of field 18.

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

ERP LN   Mapping to the ERP LN table field whinh431.clot after conversion by ERP LN table ecedi335 using the qualifier of field 18.

Position	18	Field Format	an..6	Field Status	C
Field Name		**Qualifier Lot**			

Description	This field contains the lot identification code related to the BP.
	This qualifier defines if the code in message is the internal code or the BP code.
Processing outgoing EDI Sub-System	
ERP LN	"ZZ"
Processing Incoming EDI Sub-System	
ERP LN	"ZZ"

Position	19	Field Format	n..16	Field Status	C
Field Name		**(Confirmed) Receipt Quantity**			

Description	This field contains the actual (confirmed) receipt quantity of the item.
Processing outgoing EDI Sub-System	
ERP LN	The quantity from ERP LN table field whinh301.rqua 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 whinh431.qrcp.

Position	23	Field Format	an..80	Field Status	C

Field Name	**<u>Text</u>**

Description   This field contains free text on the incoming side.

Processing outgoing
EDI Sub-System

ERP LN   N. A.

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

ERP LN   Mapping to the ERP LN table field whinh431.text.

Position	24	Field Format	an..6 / an 80	Field Status	C

Field Name	**<u>Discrepancy Code / Text</u>**

Description   This field contains
                                (OUT) A code that identifies whether the quantity on the shipment notice
                                message was more than or less than the actual quantity received, or that
                                no advanced shipment notice was received at the time the goods were
                                received.
                                (IN) a free text for describing the discrepancy.

Processing outgoing
EDI Sub-System

ERP LN   The Code from ERP LN table field ecedi447.codm 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 whinh431.text.

Position	25	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA8_END'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA8_END'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA8_END'.
ERP LN	None

SA9 Shipment Notice Lines Text

Status:	Conditional
Frequency:	Multiple by Receipt Discrepancy Notification
Description:	This data record contains the text information of the Shipment Notice Line and is related to SA8.

RDN In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	**Field Description**	**Key**	**ST**	**FM**	**Table field**	**Action**	**Table field**	**Action**
1	Kind of data record	O/I	M	an3	SA9		SA9	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Shipment / Order Reference	O/I	M	an..9 an..17	whinh301.shid		ecedi702.msno	
5	Reference Line Number / Shipment Position	O/I	M	an..16 n..5	ecedi705.refn		whinh431.pono	
6	Free text 1		C	an..70	whin301.text		whinh431.text	
7	Free text 2		C	an..70			whinh431.text	
8	Data Record End Sign	O/I	M	an7	SA9_END		SA9_END	

Detailed description: Receipt Discrepancy Notification

Kind of data record: SA9 Shipment Notice Line Text

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

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA9'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA9'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA9'.
ERP LN	None

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

Description	This field identifies all connected data records of one ASN. The numbering, which has to be clear by ASN, helps to control the chronological order of the ASNs and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA8
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA8

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

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	Transmission of the value from the message file.
ERP LN	Refer to data record SA8
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA8

Position	4	Field Format	an..9 / an..17	Field Status	M
Field Name		**<u>Shipment / Order Reference</u>**		Key field Out / In	

Description	This field contains the Ship-from BP's Shipment number or the Order Reference which refers to the receipt goods.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA8
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA8

Position	5	Field Format	n..4/n..9	Field Status	M
Field Name		**<u>Reference Line Number / Shipment Position</u>**		Key field Out / In	

Description	This field contains the Shipment Notice Position Number.
Processing outgoing EDI Sub-System	None
ERP LN	The line number from ERP LN table field ecedi705.refn 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 whinh431.pono field

Position	6	Field Format	an..70	Field Status	C
Field Name		**Line Text 1**			

Description	This field contains a free text 1 with a maximum of 70 characters.
Processing outgoing EDI Sub-System	
ERP LN	Mapping of ERP LN table field whinh301.text to position.
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.
ERP LN	Mapping to ERP LN table field whinh431.text

Position	7	Field Format	an..70	Field Status	C
Field Name		**Line Text 2**	**Key field**		

Description	This field contains a free text 2 with a maximum of 70 characters.
Processing outgoing EDI Sub-System	
ERP LN	None
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.
ERP LN	Mapping to ERP LN table field whinh431.text

Position	8	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA9_END'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA9_END'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA9_END'.
ERP LN	None

SA10 Shipment Notice Item Load Information

Status:	Conditional
Frequency:	Multiple by Shipment Notice Line
Description:	This data record contains the packaging information of the Shipment Notice Line and is related to SA8.

	RDN In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	**Field Description**	**Key**	**ST**	**FM**	**Table field**	**Action**	**Table field**	**Action**
1	Kind of data record	O/I	M	an3	SA10		SA10	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Shipment / Order Reference	O/I	M	an..9 an..17	whinh301.shid		ecedi702.msno	
5	Reference Line Number / Shipment Position	O/I	M	an..16 n..5	ecedi705.refn		whinh431.pono	
6	Package Definition		M	an..16	whinh317.qshr			
7	Shipped Quantity		M	an..16	whinh317.ncon			
8	Each containing in Inventory Unit		M	an..16	whinh317.nupc			
9	Packaging Unit		M	an..3	whinh317.pkcd	Conversion		
10	Data Record End Sign	O/I	M	an7	SA10_END		SA10_END	

Detailed description: Receipt Discrepancy Notification

Kind of data record: SA10 Shipment Notice Item Load Information

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

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA10'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA10'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA10'.
ERP LN	None

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

Description	This field identifies all connected data records of one RDN. The numbering, which has to be clear by RDN, helps to control the chronological order of the RDN messages and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA8
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA8

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

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	Transmission of the value from the message file.
ERP LN	Refer to data record SA8
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA8

Position	4	Field Format	an..9 / an..17	Field Status	M
Field Name		**<u>Shipment / Order Reference</u>**		Key field Out / In	

Description	This field contains the Ship-from BP's Shipment number or the Order Reference which refers to the receipt goods.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA8
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA8

Position	5	Field Format	n..4/n..9	Field Status	M
Field Name		**<u>Reference Line Number / Shipment Position</u>**		Key field Out / In	

Description	This field contains the Shipment Notice Position Number.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA8.
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA8

Position	6	Field Format	n..16	Field Status	M
Field Name		**Package Definition**			

Description	The field contains (OUT) the used Package Definition.
Processing outgoing EDI Sub-System	
ERP LN	The Package Definition from ERP LN table field whinh317pkdf is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	7	Field Format	n..16	Field Status	M
Field Name		**Shipped Quantity**			

Description	The field contains (OUT) the quantity of shipped items referring to the packaging unit
Processing outgoing EDI Sub-System	
ERP LN	The shipped quantity from ERP LN table field whinh317.ncon is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	8	Field Format	n..16	Field Status	M
Field Name		**Each containing quantity**			

Description	The quantity of shipped goods in inventory unit referring to one packaging unit.
Processing outgoing EDI Sub-System	
ERP LN	The shipped quantity from ERP LN table field whinh317.nupc is mapped to this position.
Processing Incoming EDI Sub-System	

ERP LN   N. A.

Position	9	Field Format	an..3	Field Status	C
Field Name		**Packaging Unit**			

Description   This field contains the packaging unit for this line (for example pallet or box.)

Processing outgoing
EDI Sub-System

ERP LN   The unit from ERP LN table field whinh317.pkcdis mapped to this position and converted with ERP LN table ecedi442.

Processing Incoming
EDI Sub-System

ERP LN   N. A.

Position	9	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

Description   This field identifies the end of data record in the message block. It contains the constant value 'SA10_END'.

Processing outgoing
EDI Sub-System

ERP LN   This field will be filled with the constant value 'SA10_END'.

Processing Incoming
EDI Sub-System
                                    This field will be filled with the constant value 'SA10_END'.

ERP LN   None

Chapter 3
Definitions, Acronyms, and Abbreviations

<div style="text-align: right">3</div>

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
ASN	Advanced Shipment Notification
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
CUM	Cumulated Quantity
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
RDN	Receipt Discrepancy Notification

Term	Description
VDA	The German Association of the Automotive Industry; Standard definitions of German EDI Directories

Appendix A
Sample File

A

Example Outgoing message

```
"SA1";"ETN08070416273600000000000000000000004";"ETN293";"WHS009766";"etsup1";"BEMIS";"RDN001";"";"";
20080704;1627;"SA1_END"

"SA2";"ETN08070416273600000000000000000000004";"ETN293";"WHS009766";"sup10108";"";"sup10108";20080704;
20080704;0;"";0;"";"WHAMS1";"ZZ";"0";2;10;0;"";"";;;;"SA2_END"

"SA3";"ETN08070416273600000000000000000000004";"ETN293";"WHS009766";"0";"NLD";"com112:Logistics Center
Amsterdam";"test";"Neonweg";"";;"";"1044AH";"NH";"";"";"";"";"10";"";;"SA3_END"

"SA8";"ETN08070416273600000000000000000000004";"ETN293";"WHS009766";0;"293000998";1;1;
"      ETSOT";"BP";3;"pcs";0;0;0;"KG";"";"";2;;;;;"";"SA8_END"

"SA9";"ETN08070416273600000000000000000000004";"ETN293";"WHS009766";0;;;"SA9_END"

"SA1";"ETN08070416564700000000000000000000005";"ETN293";"WHS009767";"etsup1";"BEMIS";"RDN001";"";"";
20080704;1656;"SA1_END"

"SA2";"ETN08070416564700000000000000000000005";"ETN293";"WHS009767";"sup101035";"";"sup01035";20080704;
20080704;0;"";0;"";"WHAMS1";"ZZ";"0";2;10;0;"";"";;;;"SA2_END"

"SA3";"ETN08070416564700000000000000000000005";"ETN293";"WHS009767";"0";"NLD";"com112:Logistics Center
Amsterdam";"test";"Neonweg";"";;"";"1044AH";"NH";"";"";"";"";"10";"";;"SA3_END"

"SA8";"ETN08070416564700000000000000000000005";"ETN293";"WHS009767";0;"293001005";2;1;
"      HBPEDI1";"BP";4;"pcs";0;4;4;"kg";"";"";2;;;;;"";"SA8_END"

"SA9";"ETN08070416564700000000000000000000005";"ETN293";"WHS009767";0;;;"SA9_END"
```