

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

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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	<i>User's Guide for BEMIS</i>
2	U8998A US	<i>User's Guide for EDI Business Documents</i>

Send us your comments

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

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

Chapter 1

General Principles

Available types of data records

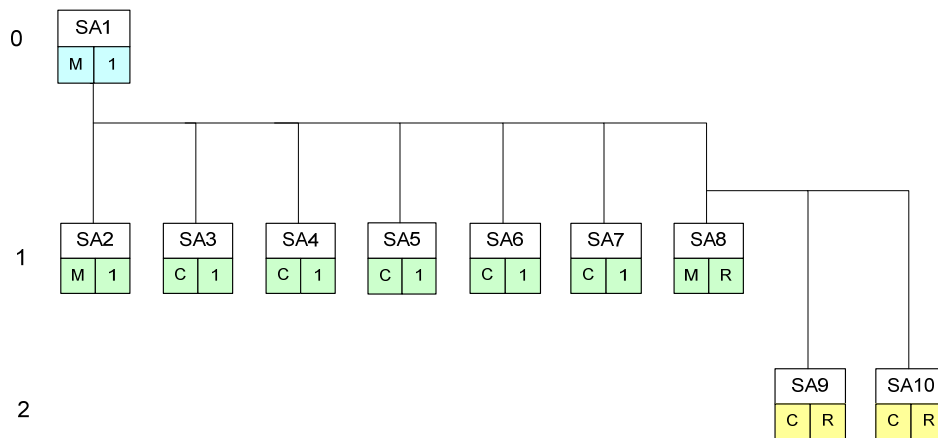
This section describes the EDI In-house format for the Business Document type Receipt Discrepancy Notification (incoming/outgoing). When you transmit information about receipts, the use of the following types of data records is conditional (C) or respectively mandatory (M).

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_rcv/`
- `/${BSE}/edi/bemis/ReceiptDiscrepancy/store_sent/`
- `/${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_rcv/:** 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	<code>/\${BSE}/edi/bemis/ReceiptDiscrepancy/appl_from</code>
incoming	RDN001	<code>/\${BSE}/edi/bemis/ReceiptDiscrepancy/appl_to</code>

ERP LN BEMIS messages – conventions

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

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

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

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

"SAx"; ... ; ; ... ;"SAx_END" and "SAx"; ... ; "" ; ... ;"SAx_END"

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

INVOICE IN-HOUSE FORMAT

Pos	Field description	Key	ST	FM
-----	-------------------	-----	----	----

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

Pos Position of the field in the data record

Field description Description of the field

Key	Key field outgoing (O) / incoming (I)
ST	Field status mandatory (M) / conditional (C)
FM	Field format, for example. an..14 = alphanumerical field with a maximum of 14 characters an14 = alphanumerical field with exactly 14 characters n..10 = numerical field with a maximum of 10 characters n1 = numerical field with exactly 1 character

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

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

Table Field	Action

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

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

What is new in comparison to BEMIS for BAAN V?

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).

Chapter 2

Data Record Description by Type of Data Record

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	<u>Kind of Data Record</u>		Key field Out / IN		
Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA1'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA1'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA1'.				
ERP LN	None				

Position	2	Field Format	an..14	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	<p>This field identifies all connected data records of one 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.</p> <p>The special format will be defined in the network parameters in the ERP LN table ecedi020. When generating the message reference with the EDI Sub-System, the created message reference needs to be specific, which means unique. While storing the message reference ERP LN controls whether it is specific.</p>				
Processing outgoing EDI Sub-System					
ERP LN	ERP LN generates this number to identify an 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	<u>Net ID of sender</u>		Key field Out / In		
Description	This field contains the identification of the sender (for example the ILN Number)				
Processing outgoing EDI Sub-System	Transmission of the value from the message file.				
ERP LN	The identification is stored in the ERP LN table ecedi020 'Our Identification' under the corresponding network in the 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	<u>Shipment / Order Reference</u>				
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	<u>Net ID of Receiver</u>				

Description This field contains the identification of receiver.

Processing outgoing
EDI Sub-System

ERP LN The identification of the receiver (for example the ILN of the receiver) in the used network is entered in the table ecedi028. The ELP LN table field ecedi028.neta is mapped to this position.

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

ERP LN On the incoming side this field will be ignored.

Position	6	Field Format	an..6	Field Status	M
Field Name	<u>Organization</u>				

Description This field contains the organization (Standard), which is used for the EDI communication.

Processing outgoing
EDI Sub-System

ERP LN The internal organization code ecedi003.code 'BEMIS' from the ERP LN table ecedi003 'Organizations' is mapped to this position.

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

ERP LN Mapping to ERP LN table field ecedi702.orga. The corresponding Organization must have been entered into the ERP LN table ecedi003.

Position	7	Field Format	an..6	Field Status	M
Field Name	<u>Message</u>				
Description	This field contains the code for the identification of the concerned message. The code for the message type '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	<u>Order Type</u>				
Description	This field contains a code for the concerned order type.				
Processing outgoing EDI Sub-System					
ERP LN	In the ERP LN table ecedi011 there must be an entry for this order type in connection with the respective message and organization. The ERP LN table field ecedi011.koor is mapped to this position. 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	<u>Identifier of Test</u>				

Description This field contains the code that will identify incoming messages for this organization as test messages. A test message is checked, but not copied to the database.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled with the ERP LN table field ecedi003.test

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

ERP LN Mapping to ERP LN table field ecedi702.test.

Position	10	Field Format	n..8 / n..14	Field Status	M
Field Name	<u>Transmission Date / Time</u>				

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	<u>Transmission's Time</u>				
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	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA1_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA1_END'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA1_END'.				
ERP LN	None				

SA2 Shipment Notification 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	Shipping Date / Confirmed		C	n..14	whinh300.shdt		whinh430.cdat	
9	Planned delivery date		C	n..14	whinh300.pddt			
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							
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 Notification Header

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

Description This field identifies the kind of data record in the message block. It contains the constant value 'SA2'.

Processing outgoing
 EDI Sub-System

ERP LN This field will be filled with the constant value 'SA2'.

Processing Incoming
 EDI Sub-System

This field will be filled with the constant value 'SA2'.

ERP LN None

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

Description This field identifies all connected data records of one 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	<u>Net ID of sender</u>		Key field Out / In		

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

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

ERP LN Analogously to data record SA1

Processing Incoming
EDI Sub-System

ERP LN Analogously to data record SA1

Position	4	Field Format	an 9 /an..17	Field Status	M
Field Name	<u>Shipment / Order Reference</u>				

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	<u>Supplier's ASN Number / Shipment</u>				

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	<u>Bill of Loading</u>				

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	<u>Packing Slip</u>				

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	<u>Shipping Date / Confirmed</u>				

Description This field contains the date / time (YYYYMMDDHHMMSS) the shipment is shipped / confirmed.

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.cdat.

Position	9	Field Format	an..14	Field Status	C
Field Name	<u>Planned delivery date / time</u>				

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

ERP LN N. A:

Position	10	Field Format	an..16	Field Status	C
Field Name	<u>Freight Value</u>				

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	<u>Currency</u>				
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	<u>Total weight</u>				
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	<u>Unit of Measure</u>				

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	<u>Warehouse / Ship-to BP</u>				

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	<u>Qualifier Address Code</u>				

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

Processing outgoing
EDI Sub-System None

ERP LN "ZZ"

Processing Incoming
EDI Sub-System
ERP LN "ZZ"

Position	16	Field Format	an..6	Field Status	M
Field Name	<u>Address/ BP Code</u>				

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	<u>Hazardous Material</u>				

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	<u>Kind of Charge</u>				

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	<u>Charge Amount</u>				

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	<u>Terms of Delivery</u>				
Description	This field contains a code for the Term of Delivery. This field indicates how to frank the shipment. It contains a unique alphanumeric 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	<u>Point of title Passage</u>				
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.				

The positions 22 to 24 are not used currently.

Position	25	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value '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					
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	<u>Kind of Data Record</u>		Key field Out / IN		
Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA3'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA3'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA3'.				
ERP LN	None				

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	This field identifies all connected data records of one 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	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	<u>Shipment / Order Reference</u>				
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	<u>Address Qualifier Ship-to BP</u>				

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	<u>Country</u>				

Description This field contains the Country of the Address.

The country codes have to be defined in ERP LN table ecedi226.

Processing outgoing
EDI Sub-System None

ERP LN The country code of the address from ERP LN table field tccom130.ccty is mapped to this position and converts with ERP LN table ecedi440.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	7	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				

Description	This field contains the first part of Name
Processing outgoing EDI Sub-System	None
ERP LN	The First part of the Name from ERP LN table field tcom130.nama is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tcom130.nama

Position	8	Field Format	an..30	Field Status	C
Field Name	<u>Name 2</u>				

Description	This field contains the second part of name
Processing outgoing EDI Sub-System	None
ERP LN	The second part of the Name from ERP LN table field tcom130.namb is mapped to this position.
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	9	Field Format	an..14	Field Status	C
Field Name	<u>Address</u>				
Description	This field contains the first part of the delivery address				
Processing outgoing EDI Sub-System	None				
ERP LN	The First part of the Address from ERP LN table field tcom130.namc is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	10	Field Format	an..30	Field Status	C
Field Name	<u>Address 2</u>				
Description	This field contains the second part of the delivery address				
Processing outgoing EDI Sub-System	None				
ERP LN	The second part of the Address from ERP LN table field tcom130.namd is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	12	Field Format	an..30	Field Status	C
Field Name	<u>City 2</u>				
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 tcom130.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	<u>ZIP / Postal Code</u>		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	<u>State / Province</u>				

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

Processing outgoing
EDI Sub-System

None

ERP LN

The State / province from ERP LN table field 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	<u>Telephone</u>				

Description This field contains the telephone number

Processing outgoing
EDI Sub-System

None

ERP LN

The Telephone number from ERP LN table field 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	<u>Telex</u>				
Description	This field contains the telex number				
Processing outgoing EDI Sub-System	None				
ERP LN	The Telex number from ERP LN table field tccom130.telx is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	17	Field Format	an..32	Field Status	C
Field Name	<u>Telefax</u>				
Description	This field contains the Fax number				
Processing outgoing EDI Sub-System	None				
ERP LN	The Fax number from ERP LN table field tccom130.tefx is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	18	Field Format	an..10	Field Status	C
Field Name	<u>GEO Code</u>				
Description	This field contains the GEO Code				
Processing outgoing EDI Sub-System	None				
ERP LN	The GEO Code from ERP LN table field tccom130.geoc is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	19	Field Format	an..10	Field Status	C
Field Name	<u>House Number</u>				
Description	This field contains the house number referring to the address				
Processing outgoing EDI Sub-System	None				
ERP LN	The house number from ERP LN table field tccom130.hono is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN	N. A.				

Position	20	Field Format	an..10	Field Status	C
Field Name	<u>P.O. Box Number</u>				
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	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA3_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA3_END'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA3_END'.				
ERP LN	None				

SA4 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.

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	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	<u>Kind of Data Record</u>		Key field Out / IN		
Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA4'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA4'.				
Processing Incoming EDI Sub-System					
ERP LN	None				

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	This field identifies all connected data records of one 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	<u>Shipment Header Text 1</u>				

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

Processing outgoing
EDI Sub-System

ERP LN Mapping of ERP LN table field 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	<u>Shipment Header Text 2</u>				

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	<u>Data Record end sign</u>				

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

Processing outgoing
EDI Sub-System

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

Processing Incoming
EDI Sub-System This field will be filled with the constant value 'SA4_END'.

ERP LN None

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

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	This field identifies all connected data records of one 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	<u>EDI information 1</u>				

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	<u>EDI information 2</u>				

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	<u>Data Record end sign</u>				

Description This field identifies the end of data record in the message block. It contains the constant value 'SA5_END'.

Processing outgoing
EDI Sub-System

ERP LN This field will be filled with the constant value 'SA5_END'.

Processing Incoming
EDI Sub-System This field will be filled with the constant value 'SA5_END'.

ERP LN None

SA6 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	<u>Kind of Data Record</u>		Key field Out / IN		
Description	This field identifies the kind of data record in the message block. It contains the constant value '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	<u>Message Reference</u>		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..2	Field Status	C
Field Name	<u>Routing Sequence Code</u>				
Description	<p>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:</p> <p>A = Origin carrier 1 = First carrier after origin carrier 2 = Second carrier after origin carrier, and so on.</p>				
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	<u>Equipment Description Code</u>				
Description	<p>This field contains a code identifying the type of equipment used for the shipment.</p> <p>For example TL = trailer..</p>				
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	<u>Equipment Initial</u>				

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	<u>Equipment Number</u>				

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	<u>Carrier</u>				

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	<u>Standard Carrier Alpha Code</u>				

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 tmcsc080.scac to position.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	11	Field Format	an..3	Field Status	C
Field Name	<u>Transport Category</u>				

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 tmcsc080.trmd to position.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	12	Field Format	an..15	Field Status	C
Field Name	<u>Seal Number</u>				
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	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA6_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA6_END'.				
Processing Incoming EDI Sub-System	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	<u>Kind of Data Record</u>		Key field Out / IN		
Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA7'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA7'.				
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA7'.				
ERP LN	None				

Position	2	Field Format	an..35	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out / IN		
Description	This field identifies all connected data records of one 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	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 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	<u>(Package) Gross Weight</u>				

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.pkw to position.

Processing Incoming
EDI Sub-System

ERP LN N. A.

Position	9	Field Format	an..3	Field Status	C
Field Name	<u>Unit of Measure</u>				

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	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA7_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA7_END'.				
Processing Incoming EDI Sub-System	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	whinh431.cwun	Code and Conversion
17	Lot	C	an..30 an..20	whinh301.clot	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	<u>Kind of Data Record</u>		Key field Out / IN		
Description	This field identifies the kind of data record in the message block. It contains the constant value '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	<u>Message Reference</u>		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		

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	<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	n..4/n..9	Field Status	M
Field Name	<u>Reference Line Number / Shipment Position</u>				

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	<u>Order Number</u>				

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	<u>Order Position</u>				

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	<u>Order Line Sequence</u>				

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	<u>Item Code</u>				

Description This field contains the Buyer's item code.

Processing outgoing
EDI Sub-System

ERP LN The item code from ERP LN table field 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	<u>Qualifier Item Code</u>				

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	<u>Shipped Quantity in Inventory</u> <u>Unit</u>				

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	<u>Unit of Measure</u>				

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	<u>Shipped Cumulative quantity</u>				

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	<u>Gross Weight</u>				

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	<u>Net Weight</u>				

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	<u>Weight Unit</u>				

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	<u>Lot</u>				

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	<u>Qualifier Lot</u>				

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	<u>(Confirmed) Receipt Quantity</u>				

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	<u>Data Record end sign</u>				
Description	This field identifies the end of data record in the message block. It contains the constant value 'SA8_END'.				
Processing outgoing EDI Sub-System					
ERP LN	This field will be filled with the constant value 'SA8_END'.				
Processing Incoming EDI Sub-System					
ERP LN	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	<u>Kind of Data Record</u>		Key field Out / IN		
Description	This field identifies the kind of data record in the message block. It contains the constant value '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	<u>Message Reference</u>		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	<u>Line Text 1</u>				
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	<u>Line Text 2</u>		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	<u>Data Record end sign</u>				
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	<u>Kind of Data Record</u>		Key field Out / IN		

Description This field identifies the kind of data record in the message block. It contains the constant value '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	<u>Message Reference</u>		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	<u>Package Definition</u>				

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	<u>Shipped Quantity</u>				

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	<u>Each containing quantity</u>				

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	<u>Packaging Unit</u>				

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	<u>Data Record end sign</u>				

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

3

Term	Description
ANSI X12	American National Standards Institute Accredited Standards Committee X12; Standard definitions of American EDI Directories
ASCII	American Standard Code for Information Interchange
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



Example Outgoing message

```
"SA1";"ETN08070416273600000000000000000004";"ETN293";"WHS009766";"etsup1";"BEMIS";"RDN001";";";"  
20080704;1627;"SA1_END"
```

```
"SA2";"ETN08070416273600000000000000000004";"ETN293";"WHS009766";"sup10108";";";"sup10108";20080704;  
20080704;0;";";"WHAMS1";"ZZ";"0";2;10;0;";";";";"SA2_END"
```

```
"SA3";"ETN08070416273600000000000000000004";"ETN293";"WHS009766";"0";"NLD";"com112:Logistics Center  
Amsterdam";"test";"Neonweg";";";"1044AH";"NH";";";";";"10";";";"SA3_END"
```

```
"SA8";"ETN08070416273600000000000000000004";"ETN293";"WHS009766";"0";"293000998";1;1;  
" ETSOT";"BP";3;"pcs";0;0;0;"KG";";";"2";";";"SA8_END"
```

```
"SA9";"ETN08070416273600000000000000000004";"ETN293";"WHS009766";"0";"SA9_END"
```

```
"SA1";"ETN08070416564700000000000000000005";"ETN293";"WHS009767";"etsup1";"BEMIS";"RDN001";";";"  
20080704;1656;"SA1_END"
```

```
"SA2";"ETN08070416564700000000000000000005";"ETN293";"WHS009767";"sup101035";";";"sup01035";20080704;  
20080704;0;";";"WHAMS1";"ZZ";"0";2;10;0;";";";";"SA2_END"
```

```
"SA3";"ETN08070416564700000000000000000005";"ETN293";"WHS009767";"0";"NLD";"com112:Logistics Center  
Amsterdam";"test";"Neonweg";";";"1044AH";"NH";";";";";"10";";";"SA3_END"
```

```
"SA8";"ETN08070416564700000000000000000005";"ETN293";"WHS009767";"0";"293001005";2;1;  
" HBPEDI1";"BP";4;"pcs";0;4;4;"kg";";";"2";";";"SA8_END"
```

```
"SA9";"ETN08070416564700000000000000000005";"ETN293";"WHS009767";"0";"SA9_END"
```
