Definition of BEMIS ERN001 Import and Export File for Business Document Error Notification

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Contents

About this guide

This document describes the content and the corresponding structure of the EDI message "Error 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   APERAK
- ANSI X12   824

The message structure is defined by referring to incoming 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 Error Notification.

Chapter 2, "Data Record Description by Type of Data Record", describes in detail the data records used for the EDI in-house format of EDI message Error 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

ERN001.## Intended audience

This document is intended for the following categories of users:

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

References

The following documents might be of importance:

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

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

Chapter 1   General Principles

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Available types of data records

This section describes the EDI In-house format for the Business Document type Error Notification (incoming/outgoing). When you transmit information about errors, 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	Error Header
SA3	M	Line Details

Branching diagrams

The following data record structure is used for the BEMIS message type Error Notification.

Level

SA1
M | 1
0

SA2
M | 1

SA3
M | R
1

Legend:

Status:

M: mandatory in message

C: conditional in message

Frequency:

1: once by message

R: repeatable by message
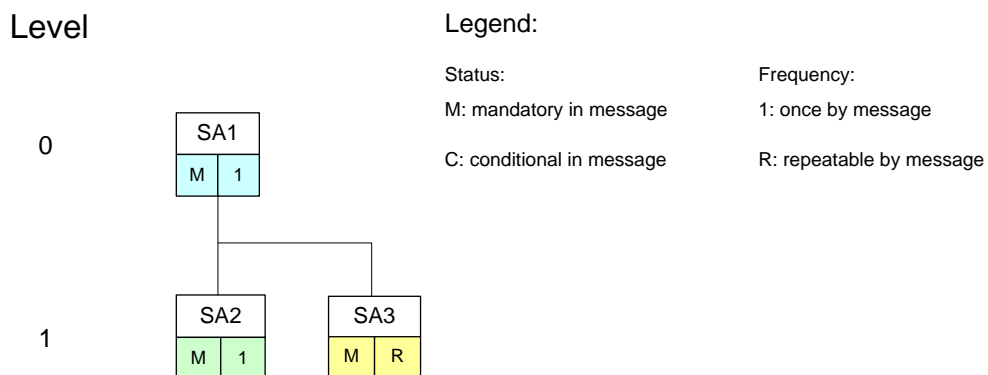
For example, for an error message with three lines the BEMIS file has the following structure:

SA1 ... Global Overhead

SA2 ... Error Header

SA3 ... Line 1 Detail

SA3 ... Line 2 Detail

SA3 … Line 3 Detail

Key fields outgoing

The outgoing message refers to the sender and the receipt original message.
The following structure of the key fields is used to determine the corresponding data records of an
Error Notification message:

Sorted by Key					
Type Data Rec		**Key1**	**Key2**	**Key3**	**Key4**
Field1	**Backpt**				
SA1		Message ref.	BP net ID		
SA2	1	Message ref.	BP net ID	Message	Order Reference
SA3	2	Message ref.	BP net ID	Message	Order Reference

Key fields incoming

The incoming message refers to the receiver and the sent message. The following structure of the
key fields is used to determine the corresponding data records of an Error Notification message:

Sorted by Key					
Type Data Rec		**Key1**	**Key2**	**Key3**	**Key4**
Field1	**Backpt**				
SA1		Message ref.	BP net ID		
SA2	1	Message ref.	BP net ID	Message	Order Reference
SA3	2	Message ref.	BP net ID	Message	Order Reference

Business Partner Relations

Outgoing Error Notification		Incoming Error Notification	
ID of the sender	ecedi020.neta	Sold -to BP-Code	ecedi702.bpid

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.
- 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 first possibility.

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

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

ERP LN will additionally create the following subdirectories:

- /${BSE}/edi/bemis/notification/appl_from/
- /${BSE}/edi/bemis/notification/appl_to/
- /${BSE}/edi/bemis/notification/command/
- /${BSE}/edi/bemis/notification/store_recv/
- /${BSE}/edi/bemis/notification/store_sent/
- /${BSE}/edi/bemis/notification/trace/

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

Direction	File Name	Network Directory
Outgoing	ERN001.txt	/${BSE}/edi/bemis/notification/appl_from
Incoming	ERN001.txt	/${BSE}/edi/bemis/notification/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:

ORDER INHOUSE 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 Error Notification is a new message in ERP LN 6.1. Infor has not an equivalent message of previous releases.

Chapter 2   Data Record Description by Type of Data Record

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

SAI Message Overhead

Status: Mandatory

Frequency: Once by Error Notification

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.

	Error Notification 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	Type 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)
4	Message		M	an..6	ecedi001.code	Conversion (see below)	ecedi702.mess	Conversion (see below)
5	(Transmission) Order Reference		M	an..17	ecedi750.eono		ecedi702.msno	
6	Net ID of Receiver		M	an..20	ecedi028.neta	Conversion (see below)	empty	

	Error Notification In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
7	Organization		M	an..6	ecedi003.code	Conversion (see below)	ecedi702.orga	Conversion (see below)
8	EDI Message		M		ecedi750.mess			
9	Order Type		M	an..35	ecedi011.koor	Conversion (see below)	ecedi702.koor	Conversion (see below)
10	Identifier of Test		C	an1	ecedi003.test		ecedi702.test	
11	Date / Time of transmission		M	n..14	current date / time		ecedi702.send	
12	Data record end sign		M	an7	SA1_END		SA1_END	

Detailed description: Error Notification

Type of data record: SA1 Overhead

Position 1	Field Format an3	Field Status M
Field Name	**Type of Data Record**	**Key field Out/In**
Description	This field identifies the type 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 notification. The numbering, which has to be clear by notification, helps to control the chronological order of the messages 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 Error Notification, 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 Error Notification.
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	

Position	3	Field Format	an..17	Field Status	M

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..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 'Error Notification' is ERN001.
Processing outgoing EDI Sub-System	.
ERP LN	The internal message code ecedi001.code 'ERN001' 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 'ERN001'.
ERP LN	The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this notification. In the ERP LN table ecedi005 'EDI Messages' is determined for every message which session (DLL) is used in ERP LN to process the Error Notification. The message code is mapped to the ERP LN table field ecedi702.mess.

Position	5	Field Format	an..30	Field Status	M

Field Name	**Order Reference**
Description	This field contains the receipt order number which refers to the erroneous original message.
Processing outgoing EDI Sub-System	
ERP LN	The ELP LN table field ecedi750.eono is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.

Position	5	Field Format	an..30	Field Status	M
ERP LN		The ERP LN table field ecedi702.msno is mapped to this position.			

Position	6	Field Format	an..20	Field Status	M
Field Name		**Net ID of receiver**			
Description		This field contains the BP's network address.			
Processing outgoing EDI Sub-System					
ERP LN		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	7	Field Format	an..6	Field Status	M
Field Name		**Organization**			
Description		This field contains the organization (Standard), which is used for the EDI communication.			
Processing outgoing EDI Sub-System					
ERP LN		The internal organization code ecedi003.code 'BEMIS' from the ERP LN table ecedi003 'Organizations' is mapped to this position.			
Processing Incoming EDI Sub-System		This field will be filled with the constant value 'BEMIS'.			
ERP LN		Mapping to ERP LN table field ecedi702.orga. The corresponding Organization must have been entered into the ERP LN table ecedi003.None			

Position	8	Field Format	an..6	Field Status	M
Field Name		**EDI Message**			
Description		This field contains the name of the receipt EDI message.			

Position	8	Field Format	an..6	Field Status	M

Processing outgoing EDI Sub-System	
ERP LN	The ELP LN table field ecedi750.mess 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	9	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	10	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.

Position	10	Field Format	an1	Field Status	C
ERP LN		Mapping to ERP LN table field ecedi702.test.			

Position	11	Field Format	n..14	Field Status	M
Field Name		**Date/ Time of Transmission**			
Description		This field contains on the outgoing side the current date / time, on which the 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 / 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	14	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			
Description		This field identifies the end of data record in the message block. It contains the constant value 'SA1_END'.			
Processing outgoing EDI Sub-System					
ERP LN		This field will be filled with the constant value 'SA1_END'.			
Processing Incoming EDI Sub-System		This field will be filled with the constant value 'SA1_END'.			
ERP LN		None			

SA2 Error Header

Status: Mandatory

Frequency: Once by Error Notification

Description: This data record contains all information of the error header, and it is related to SA1.

Error Notification 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	Type 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	Message	O/I	M	an..6	ecedi001.code	Conversion (see below)	ecedi702.mess	Conversion (see below)
5	Order Reference	O/I	M	an..30	ecedi750.eono		ecedi702.msno	
6	Order Reference		M	an..30	ecedi750.eono		whinh430.shpm	
7								
8	EDI Message		C	an..6	ecedi750.mess			
9	Data Record End Sign	O/I	M	an7	SA2_END		SA2_END	

Detailed description: Error Notification

Type of data record: SA2 Error Header

Position	1	Field Format	an3	Field Status	M
Field Name		**Type of Data Record**		**Key field Out/In**	
Description		This field identifies all connected data records of one message. 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		Analogously to data record SA1			
Processing Incoming EDI Sub-System					
ERP LN		Analogously to data record SA1			

Position	2	Field Format	an..35	Field Status	M
Field Name		**Message Reference**		**Key field Out/In**	
Description		This field identifies the type 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	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		Analogously to data record SA1			

Position	3	Field Format	an..17	Field Status	M

Processing Incoming EDI Sub-System	
ERP LN	Analogously to data record SA1

Position	4	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 'Error Notification' is ERN001.
Processing outgoing EDI Sub-System		.
ERP LN		The internal message code ecedi001.code 'ERN001' 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 'ERN001'.
ERP LN		The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this notification. In the ERP LN table ecedi005 'EDI Messages' is determined for every message which session (DLL) is used in ERP LN to process the Error Notification. The message code is mapped to the ERP LN table field ecedi702.mess.

Position	5	Field Format	an..30	Field Status	M

Field Name		**Order Reference**
Description		This field contains the receipt order number which refers to the erroneous original message.
Processing outgoing EDI Sub-System		
ERP LN		The ELP LN table field ecedi750.eono is mapped to this position.
Processing Incoming EDI Sub-System		Transmission of the value from the message file.

Position	5	Field Format	an..30	Field Status	M
ERP LN		The ERP LN table field ecedi702.msno is mapped to this position.			

Position	6	Field Format	an..30	Field Status	M
Field Name		**Order Reference**			
Description		This field contains the receipt order number which refers to the erroneous original message – on the incoming site only a Shipment Notification is used currently.			
Processing outgoing EDI Sub-System					
ERP LN		The ELP LN table field ecedi750.eono is mapped to this position.			
Processing Incoming EDI Sub-System		Transmission of the value from the message file.			
ERP LN		The ERP LN table field whinh430.shpm is mapped to this position.			

Position	8	Field Format	an..6	Field Status	C
Field Name		**EDI Message**			
Description		This field contains the receipt EDI message type.			
Processing outgoing EDI Sub-System					
ERP LN		The ELP LN table field ecedi750.mess is mapped to this position.			
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 'SA2_END'.			

Position	9	Field Format	an7	Field Status	M
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 Line Details

Status: Mandatory

Frequency: Multiple by Error Notification

Description: This data records contain information about the errors; and it is related to

                   SA2.

Error Notification 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	Type 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	Massage	O/I	M	an..6	ecedi001.code		ecedi702.mess	
5	Order Reference	O/I	M	an..6	eced750.eono		ecedi702.msno	
6	EDI Information		C	an..3 an..80	"TR"		whinh430.iedi(1)	

Error Notification In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
7	Field Identifier / EDI Information 2	C	an..6 an..80	ecedi751.rfid		whinh430.iedi(2)	
8	Field	C	an..15	ecedi751.trfd			
9	Field Value / EDI Information 3	C	an..35 an..80	ecedi751.efld		whinh430.iedi(3)	
10	Error Code / EDI Information 4	C	an..6 an..80	ecedi751.ercd		whinh430.iedi(4)	
11	Error Warning Message Line 1/ EDI Information 5	C	an..80	ecedi751.dsc1		whinh430.iedi(5)	
12	Error Warning Message Line 2/ EDI Information 6	C	an..80	ecedi751.dsc2		whinh430.iedi(6)	
13	Data record end sign	M	an..3	SA3_END		SA3_END	

Detailed description: Error Notification

Type of data record: SA3 Shipment Lines

Position	1	Field Format	an3	Field Status	M
Field Name		**Type of Data Record**		**Key field Out/In**	
Description		This field identifies the type 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'.			

Position	1	Field Format	an3	Field Status	M
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 Error Notification. The numbering, which has to be clear by the Notification, helps to control the chronological order of the 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					
ERP LN		Analogously to data record SA1			
Processing Incoming EDI Sub-System					
ERP LN		Analogously to data record SA1			

Position	4	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 'Error Notification' is ERN001.
Processing outgoing EDI Sub-System	.
ERP LN	Analogously to data record SA2
Processing Incoming EDI Sub-System	Analogously to data record SA2
ERP LN	

Position	5	Field Format	an..30	Field Status	M

Field Name	**Order Reference**
Description	This field contains the receipt order number which refers to the erroneous original message.
Processing outgoing EDI Sub-System	
ERP LN	Analogously to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Analogously to data record SA2

Position	6	Field Format	an..3/an..80	Field Status	C

Field Name	**EDI Information**
Description	This field contains a qualifier "TR" on the outgoing site and the first EDI Information referring to the sent erroneous Shipment Notification (ASN) message on the incoming site.
Processing outgoing EDI Sub-System	None
ERP LN	The constant "TR" is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.

Position	6	Field Format	an..3/an..80	Field Status	C
ERP LN		Mapping to ERP LN table field whinh430.iedi(1).			

Position	7	Field Format	an..6/an..80	Field Status	C
Field Name		**Field Identifier / EDI Information 2**			
Description		This field contains the identifier for the erroneous field on the outgoing site and the first EDI Information referring to the sent erroneous Shipment Notification (ASN) on the incoming site.			
Processing outgoing EDI Sub-System		None			
ERP LN		The ELP LN table field ecedi751.rfid 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.iedi(2).			

Position	8	Field Format	an..15	Field Status	C
Field Name		**Field**			
Description		This field contains the erroneous field.			
Processing outgoing EDI Sub-System					
ERP LN		The ELP LN table field ecedi751.trfd is mapped to this position.			
Processing Incoming EDI Sub-System					
ERP LN					

Position	9	Field Format	an..35/an..80	Field Status	C
Field Name		**Field Value / EDI Information 3**			

Position	9	Field Format	an..35/an..80	Field Status	C

Description	This field contains the identifier for the field's value on the outgoing site and the first EDI Information referring to the sent erroneous Shipment Notification (ASN) on the incoming site.
Processing outgoing EDI Sub-System	None
ERP LN	The ELP LN table field ecedi751.efld 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.iedi(3).

Position	10	Field Format	an..6/an..80	Field Status	C
Field Name		**Error Code / EDI Information 4**			

Description	This field contains the identifier for the related error code on the outgoing site and the first EDI Information referring to the sent erroneous Shipment Notification (ASN) on the incoming site.
Processing outgoing EDI Sub-System	None
ERP LN	The ELP LN table field ecedi751.dsc1 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.iedi(4).

Position	11	Field Format	an..6/an..80	Field Status	C
Field Name		**Error Warning Line 2 / EDI Information 6**			

Description	This field contains the identifier for the error warning – line 2 - on the outgoing site and the first EDI Information referring to the sent erroneous Shipment Notification (ASN) on the incoming site.

Position	11	Field Format	an..6/an..80	Field Status	C
Processing outgoing EDI Sub-System		None			
ERP LN		The ELP LN table field ecedi751.dsc2 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.iedi(6).			

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 '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			

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
EDI	Electronic Data Interchange; electronic exchange of documents in standard formats
EDIFACT	Electronic Data Interchange for Administration, Commerce and Transport; Standard definitions of United Nations Directories
GLN	Global Location Number, a thirteen digit number used to identify legal entities, trading parties and locations.
ID	Identification
ILN	International Location Number; see GLN
VDA	The German Association of the Automotive Industry; Standard definitions of German EDI Directories

Appendix A Sample File

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

A

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Example Outgoing message

"SA1";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"etcus1";"BEMIS";"ORD001"; "";"";20080806;"SA1_END"

"SA2";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"293001138";;"ORD001"; "SA2_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.orno"; "POAMS1";"";"Series not defined for First Free Number Group 310.";"";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.ofbp"; "POAMS1";"";"The Sold-to Business Partner field has an invalid value in";"Sales Orders.";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.ofbp"; "POAMS1";"";"Sold-to business partner or overall business partner is";"inactive";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.ofbp"; "POAMS1";"";"Reference POAMS1 not found in table tccom110";"";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.cofc"; "ETCUS1";"";"Reference ETCUS1 not found in table tdsls012";"";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.cwar"; "ETCUS1";"";"Reference ETCUS1 not found in table tcmcs003";"";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.cwar"; "ETCUS1";"";"The Warehouse field has an invalid value in Sales Orders.";"";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.cwar"; "ETCUS1";"";"Warehouse does not belong to logistic company 293.";"";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.cwar"; "ETCUS1";"";"Warehouse ETCUS1 is not found in logistic company 293.";"";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.cwar"; "ETCUS1";"";"Warehouse ETCUS1 not found.";"";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.cpay"; "030";"";"The Terms of Payment field has an invalid value in Sales";"Orders.";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.cpay"; "030";"";"Department   not found for company 293";"";"SA3_END"

"SA3";"ETN0808061438230000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.itad"; "tdsls400.itad";"";"Field tdsls400.itad of table tdsls400 must be filled";"";"SA3_END"

"SA3";"ETN08080614382300000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.ofad";
"tdsls400.ofad";"";"Field tdsls400.ofad of table tdsls400 must be filled";"";"SA3_END"

"SA3";"ETN08080614382300000000000000000000003";"ETN293";"ERN001";"293001138";"TR";"";"tdsls400.pfad";
"tdsls400.pfad";"";"Field tdsls400.pfad of table tdsls400 must be filled";"";"SA3_END"