

Definition of BEMIS FML001 Import and Export File for Business Document Load Information to Carrier

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Table of Contents

Chapter 1	General Principles	1-1
	Available types of data records	1-1
	Branching diagrams	1-2
	Key fields outgoing.....	1-4
	Business partner relations.....	1-5
	Network directories	1-5
	ERP LN - BEMIS Messages – Conventions.....	1-7
	What is new in comparison to BEMIS for BAAN V?	1-9
Chapter 2	Data Record Description by Type of Data Record	2-1
	SA1 Message Overhead	2-1
	SA2 Load	2-9
	SA3 Load Addresses	2-31
	SA4 Load Address Text	2-46
	SA5 Shipments	2-50
	SA6 Shipment Addresses	2-69
	SA7 Shipment Text	2-81
	SA8 Shipment Lines.....	2-85
	SA9 Shipment Line's Address.....	2-99
	SA10 Shipment Line's Text.....	2-100
Chapter 3	Definitions, Acronyms, and Abbreviations.....	3-1
Appendix A	Sample File	A-1

About this Guide

Objective

This document describes the content and the corresponding structure of the EDI message “Load Information to Carrier”, 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 IFTMIN
- ANSI X12 204
- VDA 4920

The message structure is defined by referring to the outgoing direction.

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 Load Information to Carrier.

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 Load Information to Carrier.

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 FML001.

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	U8912B US	<i>User's Guide for BEMIS</i>
2	U8998B US	<i>User's Guide for BEMIS Business documents</i>

Send us your comments

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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

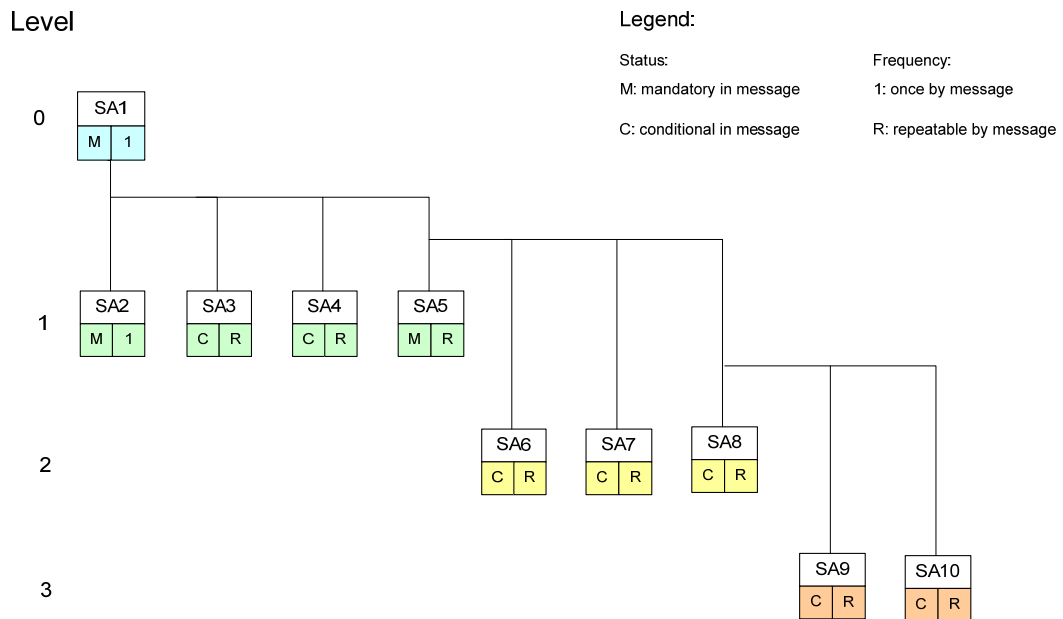
Available types of data records

This section describes the EDI in-house format for the Business Document Type Load Information to Carrier (outgoing). When you transmit information about loads, 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	Load
SA3	C	Load Address
SA4	C	Load Address Text
SA5	M	Shipments
SA6	C	Shipment's Addresses
SA7	C	Shipment Text
SA8	M	Shipment Lines
SA9	C	Shipment Line's Address
SA10	C	Shipment Line's Text

Branching diagrams

The following data record structure is used for the BEMIS message type Load Information to Carrier:



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

SA1 ... Global Overhead

SA2 ... Load 1

SA3 ... Load 1 Addresses

SA4 ... Load 1 Text

SA5 ... Shipment 11

SA6 ... Shipment 11 Address

SA7 ... Shipment 11 Text

SA8 ... Shipment Line 111

SA10 ... Shipment Line 111 Text

SA8 ... Shipment Line 112

SA10 ... Shipment Line 112 Text

SA5 ... Shipment 12

SA6 ... Shipment 12 Address

SA7 ... Shipment 12 Text

SA8 ... Shipment Line 121

SA10 ... Shipment Line 121 Text

SA1 ... Global Overhead

SA2 ... Load 2

SA3 ... Load 2 Addresses

SA4 ... Load 2 Text

SA5 ... Shipment 21

SA8 ... Shipment Line 211

SA10 ... Shipment Line 211 Text

SA8 ... Shipment Line 212

SA5 ... Shipment 22

SA6 ... Shipment 22 Address

SA7 ... Shipment 22 Text

SA8 ... Shipment Line 221

SA8 ... Shipment Line 222

Key fields outgoing

The outgoing message refers to the carrier and the sent Shipments by Load.
The following structure of the key fields is used to determine the corresponding data records of a Load Information message:

Sorted by Key						
Type	Data Rec.	key 1	key 2	Key 3	key 4	key 5
field 1	Backpt					
SA1		Message ref.	BP net ID			
SA2	1	Message ref.	BP net ID	Load No		
SA3	2	Message ref.	BP net ID	Load No		
SA4	2	Message ref.	BP net ID	Load No		
SA5	2	Message ref.	BP net ID	Load No		
SA6	5	Message ref.	BP net ID	Load No	Shipment	
SA7	5	Message ref.	BP net ID	Load No	Shipment	
SA8	5	Message ref.	BP net ID	Load No	Shipment	
SA9	8	Message ref.	BP net ID	Load No	Shipment	Shipment Line
SA10	8	Message ref.	BP net ID	Load No	Shipment	Shipment Line

Business partner relations

Outgoing Load Information	
ID of the sender	ecedi020.neta
Ship-from BP	fmlbd400.sfbp
Carrier	fmlbd400.cfrw
Ship-to BP	fmlbd400.stbp

Network directories

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

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

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

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

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

Infor recommends the first possibility.

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

- /\${BSE}/edi/bemis/Load/

ERP LN will additionally create the following subdirectories:

- `/${BSE}/edi/bemis/Load/appl_from/`
- `/${BSE}/edi/bemis/Load/appl_to/`
- `/${BSE}/edi/bemis/Load/command/`
- `/${BSE}/edi/bemis/Load/store_rcv/`
- `/${BSE}/edi/bemis/Load/store_sent/`
- `/${BSE}/edi/bemis/Load/trace/`

The above mentioned directories refers to one message type “Load Information to Carrier”, the directories have the following function:

- **.../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 Load Information to carrier which is being described in this documentation, is defined in the following way:

Direction	File Name	Network Directory
outgoing	fml001.txt	<code>/\${BSE}/edi/bemis/Load/appl_from</code>
incoming		

ERP LN - BEMIS Messages – Conventions

Written in User's Guide for BEMIS [1] Infor uses 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:

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 as well as possible special actions, which will be carried out during the processing of the messages.

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 new message refers to the Freight Management and sends the load's instruction to the carrier. Infor has not an analogy in Baan V.
 - The item identification is done referring to the Alternative Item Code System by the only qualifier in ecedi232.code – default value is "SA".
-

Chapter 2

Data Record Description by Type of Data Record

SA1 Message Overhead

Status: Mandatory

Frequency: Once by Load Information

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.

Load Information - 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	M	an3	SA1			
2	Message Reference	O	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O	M	an..17	ecedi020.neta	Conversion (see below)		
4	Load Number		M	an..9	fmlbd400.load			

Load Information - In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
5	Net ID of Receiver	M	an..17	ecedi028.neta	Conversion (see below)	
6	Message	M	an..6	ecedi001.code	Conversion (see below)	
7	Organization	M	an..6	ecedi003.code	Conversion (see below)	
8	Order Type	M	an..35	ecedi011.koor	Conversion (see below)	
9	Constant	M	an..3	"" (empty)		
10	Transmission Date	M	n..8	current date		
11	Transmission Time	C	n..6	current time		
12						
13	Data record end sign	M	an7	SA1_END		

Detailed description: Load Information
 Type of data record: SA1 Overhead

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

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

ERP LN

Position	2	Field Format	an..14	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out		

Description This field identifies all connected data records of one Load Information. The numbering, which has to be clear by Load Information, helps to control the chronological order of the Load Information 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 order response, stores it in the ERP LN table field ecedi701.bano and writes it into all data records of an order response.

Processing Incoming
 EDI Sub-System

ERP LN

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 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

Position	4	Field Format	an..20	Field Status	M
Field Name	<u>Load Number</u>				

Description This field contains the Load Number referring to the information message.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled with the load number from ERP LN table field fmlbd400.load.

Processing Incoming
EDI Sub-System

ERP LN

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

ERP LN

Position	6	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 'Load Information to Carrier' is FML001.

Processing outgoing
EDI Sub-System

ERP LN The internal message code ecedi001.code 'FML001' of the ERP LN table ecedi001 'Supported EDI messages' is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	7	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

ERP LN

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

Position	9	Field Format	an..3	Field Status	M
Field Name	<u>Constant</u>				

Description This field could be containing a constant value..

Processing outgoing
EDI Sub-System

ERP LN Currently the constant empty (,;); is used.

Processing Incoming
EDI Sub-System

ERP LN

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

Description This field contains on the outgoing side the current date, on which the Load Information message was created (format: YYYYMMDD).

Processing outgoing
EDI Sub-System

ERP LN Mapping of the current date / time to the position.

Processing Incoming
EDI Sub-System

ERP LN

Position	11	Field Format	n..6	Field Status	M
Field Name	<u>Transmission Time</u>				

Description This field contains on the outgoing side the current time, on which the Load Information message was created (format: HHMMSS).

Processing outgoing
EDI Sub-System

ERP LN Mapping of the current date / time to the position.

Processing Incoming
EDI Sub-System

ERP LN

SA2 Load

Status: Mandatory
 Frequency: Once by Load
 Description: This data record contains all information of the Load except of address and text data, and it is related to SA1.

Load Information - 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	M	an3	SA2			
2	Message Reference	O	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O	M	an..17	ecedi020.neta	Conversion (see below)		
4	Load Number		M	an..9	fmlbd400.load			
5	Plan		M	an..9	fmlbd400.cpln			
6	Load		M	an..6	fmlbd400.load			
7								
8								
9	Start Address		M	an..9	fmlbd400.stad	Conversion		
10								
11	Address / BP Code		M	an..3	ecedi224.code			
12								
13	End Address		M	an..9	fmlbd400.enad	Conversion		

Load Information - In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
14					
15	Address / BP Code	M	an..3	ecedi224.code	
16					
17	Planned Start Date	M	n..14	fmlbd400.stdt	
18	Planned End Date	C	n..14	fmlbd400.endt	
19	Standard Route	C	an..6	fmlbd400.cstr	
20					
21	Route Description	C	an..30	fmlbd050.dsca	
22					
23	Means of Transport	C	an..8	fmlbd400.motr	
24					
25	Means Description	C	an..30	fmfmd055.dsca	
26					
27	Transport Means Group	C	an..3	fmlbd400.cstr	
28					
29	Group Description	C	an..30	fmfmd050.dsca	
30					
31	Load Status	M	n..2	fmlbd400.lsta	
32					
33	Carrier	M	an..9	fmlbd400.crw	Conversion
...					

Load Information - In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
37	Estimated Freight Cost	C	n..16	fmlbd400.eamt	
38					
39	Currency	M	an..3	fmlbd400.curr Conversion	
40					
41	Description	C	an..30	tcmcs002.dsca	
...					
44	Invoice-from-BP	C	an..9	fmlbd400.ifbp Conversion	
45	Pay-to-BP	C	an..9	fmlbd400.ptbp Conversion	
46	Payment Method	C	an..3	fmlbd400.pamy	
47	Terms of Payment	C	an..3	fmlbd400.cpay Conversion	
48	Freight all Kinds	C	an..4	fmlbd400.frak	
49	Transport Type	C	an..3	fmlbd400.ttyp Conversion	
50	Description	C	an..30	fmfmd040.dsca	
51	Combination Code	C	an..3	fmlbd400.ccmb	
52	Description	C	an..30	fmfmd020.dsca	
53	Planning Group	C	an..9	fmlbd400.cplg	
54	Route Plan	C	an..6	fmlbd400.rtpn	
55	Description	C	an..30	fmfoc150.dsca	
56					
57	Shipping Office	C	an..6	fmlbd400.sofc	
58					

Load Information - In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
59	Rate Determiner	C	n..2	fmlbd400.mcfc	
60					
61	Rate Factor	C	n..8	fmlbd400.raff	
62					
63	Currency Rate	C	n..16	fmlbd400.ratp	
64					
65	Exchange Rate Type	C	an..3	fmlbd400.rtyp	
66	Rate date	C	n..14	fmlbd400.ratd	
67	Reference Load	C	an..9	fmlbd400.rfld	
68					
69					
70	Data record end sign	M	an7	SA2_END	

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

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

ERP LN

Position	2	Field Format	an..14	Field Status	M
Field Name	<u>Message Reference</u>		Key field Out		

Description This field identifies all connected data records of one Load Information. The numbering, which has to be clear by Load Information, helps to control the chronological order of the Load Information 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.

Processing outgoing
EDI Sub-System

ERP LN ERP LN generates this number to identify an order response, stores it in the ERP LN table field TFecedi701.bano and writes it into all data records of an order response.

Processing Incoming
EDI Sub-System

ERP LN

Detailed description: Load Information to Carrier
 Type of data record: SA2 Load

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: 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

Position	4	Field Format	an..17	Field Status	M
Field Name	<u>Load Number</u>		Key field Out		

Description: This field contains the Load Number referring to the information message.

Processing outgoing
 EDI Sub-System

ERP LN: The position will be filled with the load number from ERP LN table field fmlbd400.load.

Processing Incoming
 EDI Sub-System
 ERP LN

Position	5	Field Format	an..9	Field Status	M
Field Name	<u>Plan</u>				

Description This field contains the Plan's code of plan covering this Load.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled with the load number from ERP LN table field fmlbd400.cpln.

Processing Incoming
EDI Sub-System

ERP LN

Position	6	Field Format	an..17	Field Status	C
Field Name	<u>Load Number</u>				

Description This field contains the Load Number referring to the information message.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled with the load number from ERP LN table field fmlbd400.load.

Processing Incoming
EDI Sub-System

ERP LN

Position	9	Field Format	an..9	Field Status	M
Field Name	<u>Start Address</u>				

Description This field contains the load's Start Address Code, which identifies the (first) loading address.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field fmlbd400.stad.

Processing Incoming
EDI Sub-System

ERP LN

Position	11	Field Format	an..6	Field Status	M
Field Name	<u>Address / BP Code</u>				

Description This field contains the Qualifier which identifies start address.

This qualifier must be entered in ERP LN table ecedi224 regarding to the used organization.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field ecedi224.code; the default value is "SFBP" (Ship-from-BP).

Processing Incoming
EDI Sub-System

ERP LN

Position	13	Field Format	an..9	Field Status	M
Field Name	<u>End Address</u>				

Description This field contains the load's Start Address Code, which identifies the last unloading address.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field fmlbd400.enad.

Processing Incoming
EDI Sub-System

ERP LN

Position	15	Field Format	an..6	Field Status	M
Field Name	<u>Address / BP Code</u>				

Description This field contains the Qualifier which identifies end address.

This qualifier must be entered in ERP LN table ecedi224 regarding to the used organization.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field ecedi224.code; the default value is "STBP" (Ship-To-BP).

Processing Incoming
EDI Sub-System

ERP LN

Position	17	Field Format	n..14	Field Status	C
Field Name	<u>Planned Start Date</u>				
Description	This field contains the planned load date / time (YYYYMMDDHHMMSS) of the first shipment.				
Processing outgoing EDI Sub-System					
ERP LN	The position will be filled from ERP LN table field fmlbd400.std.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	18	Field Format	n..14	Field Status	C
Field Name	<u>Planned End Date</u>				
Description	This field contains the planned date / time (YYYYMMDDHHMMSS) unloading the last shipment.				
Processing outgoing EDI Sub-System					
ERP LN	The position will be filled from ERP LN table field fmlbd400.end.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	19	Field Format	an..6	Field Status	C
Field Name	<u>Standard Route</u>				
Description	This field contains the standard route.				
Processing outgoing EDI Sub-System					
ERP LN	The position will be filled from ERP LN table field fmlbd400.cstr.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	21	Field Format	an..30	Field Status	C
Field Name	<u>Route Description</u>				

Description This field contains description of the standard route.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field fmlbd050.dsca

Processing Incoming
EDI Sub-System

ERP LN

Position	23	Field Format	an..8	Field Status	C
Field Name	<u>Means of Transport</u>				

Description This field contains the means of transport as truck or rail.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field fmlbd400.motr.

Processing Incoming
EDI Sub-System

ERP LN

Position	25	Field Format	an..30	Field Status	C
Field Name	<u>Means Description</u>				

Description This field contains the description of the means.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field fmlbd055.dsca

Processing Incoming
EDI Sub-System

ERP LN

Position	27	Field Format	an..3	Field Status	C
Field Name	<u>Transport Means Group</u>				

Description This field contains the classification group of the means.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field fmlbd400.cmtg.

Processing Incoming
EDI Sub-System

ERP LN

Position	29	Field Format	an..30	Field Status	C
Field Name	<u>Group Description</u>				

Description This field contains the description of the means group.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field fmlbd050.dsca

Processing Incoming
EDI Sub-System

ERP LN

Position	31	Field Format	n..2	Field Status	C
Field Name	<u>Load Status</u>				

Description This field contains the code of the actual load's status. It is sent by the following numeric value:

- | | | |
|-----------------|---------------|--------------------------|
| 1 = Expected | 2 = Planned | 3 = Actual |
| 4 = In progress | 5 = Confirmed | 6 = Shipped |
| 7 = Completed | 8 = Closed | 9 = Ignored and replaced |

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field fmlbd400.lsta.

Processing Incoming
EDI Sub-System

ERP LN

Position	33	Field Format	an..9	Field Status	C
Field Name	<u>Carrier</u>				

Description This field contains the Carrier's Code which is used for this load. The code list has to be agreed with the Business Partner.

Processing outgoing
EDI Sub-System

None

ERP LN

The Code for the Forwarding Agent of the load from ERP LN table field fmlbd400.cfm is mapped to this position after conversion by ERP LN table ecedi456.

Processing Incoming
EDI Sub-System

ERP LN

Position	37	Field Format	n..16	Field Status	C
Field Name	<u>Estimated Freight Cost</u>				

Description This field contains the estimated freight cost of the load derived from carrier's agreement.

Processing outgoing
EDI Sub-System

None

ERP LN

The cost from ERP LN table field fmlbd400.eamt is mapped to this position

Processing Incoming
EDI Sub-System

ERP LN

Position	39	Field Format	an..3	Field Status	C
Field Name	<u>Currency</u>				

Description This field contains the Currency relevant for the Load Information. It contains the clear alphanumerical identification of the currency. The currency code will be defined according to ISO 4217.

Processing outgoing
EDI Sub-System None

ERP LN The currency code from ERP LN table field fmlbd400.curr is mapped to this position after conversion by ERP LN table ecedi438.

Processing Incoming
EDI Sub-System
ERP LN

Position	41	Field Format	an..30	Field Status	C
Field Name	<u>Currency Description</u>				

Description This field contains the description of the currency.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field tcmcs002.dsca.

Processing Incoming
EDI Sub-System
ERP LN

Position	44	Field Format	an..9	Field Status	C
Field Name	<u>Invoice-from-BP</u>				

Description The code of the Invoice-from-BP

Processing outgoing
EDI Sub-System None

ERP LN The BP's code from ERP LN table field fmlbd400.ifbp is mapped to this position after conversion by ERP LN table ecedi468.

Processing Incoming
EDI Sub-System

ERP LN

Position	45	Field Format	an..9	Field Status	C
Field Name	<u>Pay-to-BP</u>				

Description The code of the Pay-to-BP

Processing outgoing
EDI Sub-System None

ERP LN The BP's code from ERP LN table field fmlbd400.ptbp is mapped to this position after conversion by ERP LN table ecedi468.

Processing Incoming
EDI Sub-System

ERP LN

Position	46	Field Format	an..3	Field Status	C
Field Name	<u>Payment Method</u>				

Description This field contains the code of the Payment Method agreed with the Carrier.

Processing outgoing
EDI Sub-System None

ERP LN The Method from ERP LN table field fmlbd400.pamy is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	47	Field Format	an..3	Field Status	C
Field Name	<u>Terms of Payment</u>				

Description This field contains a Code for the Terms of Payment agreed upon with the relation.

Processing outgoing
EDI Sub-System None

ERP LN The Terms of Payment of the sales invoice from ERP LN table field fmlbd400.cpay is mapped to this position and converted using the table ecedi466.

Processing Incoming
EDI Sub-System

ERP LN

Position	48	Field Format	an..4	Field Status	C
Field Name	<u>Freight all Kinds</u>				

Description The field contains the code of the special freight cost rating

Processing outgoing
EDI Sub-System None

ERP LN The freight all kinds from ERP LN table field fmlbd400.frak is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	49	Field Format	an..4	Field Status	C
Field Name	<u>Transport Type</u>				
Description	The field contains the code of the transport type which the transport means group uses.				
Processing outgoing EDI Sub-System	None				
ERP LN	The type from ERP LN table field fmlbd400.ttyp is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	50	Field Format	an..30	Field Status	C
Field Name	<u>Description</u>				
Description	The field contains the description of the transport type.				
Processing outgoing EDI Sub-System	None				
ERP LN	The type from ERP LN table field fmfmd040.dsca is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	54	Field Format	an..6	Field Status	C
Field Name	<u>Route Plan</u>				
Description	The field contains the code of the route plan of the load's travel.				
Processing outgoing EDI Sub-System	None				
ERP LN	The plan code from ERP LN table field fmlbd400.rtpn is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	55	Field Format	an..30	Field Status	C
Field Name	<u>Description</u>				
Description	The field contains the description of the route plan.				
Processing outgoing EDI Sub-System	None				
ERP LN	The type from ERP LN table field fmfoc150.dsca is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	57	Field Format	an..6	Field Status	C
Field Name	<u>Shipping Office</u>				
Description	The field contains the code of the responsible shipping office.				
Processing outgoing EDI Sub-System	None				
ERP LN	The office code from ERP LN table field fmlbd400.sofc is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	59	Field Format	n..2	Field Status	C
Field Name	<u>Rate Determiner</u>				
Description	The field contains the code of exchange rate agreed with your business partner, the internal numeric code is transmitted.				
Processing outgoing EDI Sub-System	None				
ERP LN	The rate determiner from ERP LN table field fmlbd400.mcfc is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	61	Field Format	n..8	Field Status	C
Field Name	<u>Rate Factor</u>				
Description	The field contains the factor of the exchange rate.				
Processing outgoing EDI Sub-System	None				
ERP LN	The factor from ERP LN table field fmlbd400.ratf is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	63	Field Format	n..8	Field Status	C
Field Name	<u>Currency Rate</u>				
Description	The field contains the currency rate.				
Processing outgoing EDI Sub-System	None				
ERP LN	The rate from ERP LN table field fmlbd400.ratp is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

SA3 Load Addresses

Status: Conditional
 Frequency: Twice by Load
 Description: This data record contains the specific addresses of the Load and is related data record SA2.

Appearance Ship-from-Address

Load Information - 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	M	an3	SA3			
2	Message Reference	O	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O	M	an..17	ecedi020.neta	Conversion (see below)		
4	Load Number	O	M	an..9	fmlbd400.load			
4	Address Qualifier		M	an..6	ecedi224.code	Conversion		
5	Country		C	an..3	tccom130.ccty	Code and conversion		
6	Name		C	an..35	tccom130.nama			
7	Name 2		C	an..35	tccom130.namb			
8	Address		C	an..30	tccom130.namc			
9	Address 2		C	an..30	tccom130.namd			
10	City 2		C	an..30	tccom130.namf	Evaluation SFAD ¹ /		

¹ SFAD = Ship-from specific Address
 tccom100.inrl = tcyesno.no or (strip(tdpur400.sfad) <> "" and
 tdpur400.sfad <>tccom121.cadr)

Load Information - In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
11	ZIP / Postal Code	C	an..10	tccom130.pstc	Evaluation	
12	State / Province	C	an..2	tccom130.cste	Evaluation	
13	Telephone	C	an..32	tccom130.telp	Evaluation	
14	Telex	C	an..15	tccom130.telx	Evaluation	
15	Fax	C	an..32	tccom130.tefx	Evaluation	
16	GEO Code	C	an..10	tccom130.geoc	Evaluation	
17	House number	C	an..10	tccom130.hono	Evaluation	
18	P.O. Box Number	C	an..10	tccom130.pobn	Evaluation	
19						
20	City Description	C	an..30	tccom130.dsca	Evaluation	
21						
22	City Code	C	an..8	tccom130.ccit	Evaluation	
23						
24						
25	Data Record End Sign	O	M an7	SA3_END		

Appearance Ship-to-Address

Load Information - 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	M	an3	SA3			
2	Message Reference	O	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O	M	an..17	ecedi020.neta	Conversion (see below)		
4	Load Number	O	M	an..9	fmlbd400.load			
4	Address Qualifier		M	an..6	ecedi224.code	Conversion		
5	Country		C	an..3	tccom130.ccty	Code and conversion		
6	Name		C	an..35	tccom130.nama			
7	Name 2		C	an..35	tccom130.namb			
8	Address		C	an..30	tccom130.namc			
9	Address 2		C	an..30	tccom130.namd			
10	City 2		C	an..30	tccom130.namf	Evaluation STAD ²		
11	ZIP / Postal Code		C	an..10	tccom130.pstc	Evaluation		
12	State / Province		C	an..2	tccom130.cste	Evaluation		
13	Telephone		C	an..32	tccom130.telp	Evaluation		
14	Telex		C	an..15	tccom130.telx	Evaluation		

² STAD = Ship-to specific Address
tccom100.inrl = tcyesno.no or (strip(tdpur400.stad) <> "" and
tdpur400.stad <>tccom111.cadr)

Load Information - In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)
15	Fax	C	an..32	tccom130.tefx	Evaluation	
16	GEO Code	C	an..10	tccom130.geoc	Evaluation	
17	House number	C	an..10	tccom130.hono	Evaluation	
18	P.O. Box Number	C	an..10	tccom130.pobn	Evaluation	
19						
20	City Description	C	an..30	tccom130.dsca	Evaluation	
21						
22	City Code	C	an..8	tccom130.ccit	Evaluation	
23						
24						
25	Data Record End Sign	O	M an7	SA3_END		

Detailed description: Load Information
 Type of data record: SA3 Load Addresses

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

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'.

Processing Incoming
 EDI Sub-System

ERP LN

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

Description This field identifies all connected data records of one Load Information. The numbering, which has to be clear by Load Information helps to control the chronological order of the Load Information and the complete transmission.

Processing outgoing
 EDI Sub-System

ERP LN Refer to data record SA2

Processing Incoming
 EDI Sub-System

ERP LN

Position	3	Field Format	an..17	Field Status	M
Field Name	<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

Position	4	Field Format	an..20	Field Status	M
Field Name	<u>Load Number</u>		Key field Out		

Description This field contains the Load Number referring to the information message.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled with the load number from ERP LN table field fmlbd400.load.

Processing Incoming
EDI Sub-System

ERP LN

Position	4 / Sequence >2	Field Format	an..14	Field Status	C
Field Name	<u>Address Qualifier</u>				
Description	<p>This field overwrites the key field and contains the Qualifier which identifies the next data set as an address referring to the Ship-from or Ship-to Business Partner.</p> <p>This qualifier must be entered in ERP LN table ecedi224 regarding to the used organization.</p>				
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					

Position	5	Field Format	an..3	Field Status	C
Field Name	<u>Country</u>				
Description	<p>This field contains the Country of the Address.</p> <p>The country codes have to be defined in ERP LN table ecedi226.</p>				
Processing outgoing EDI Sub-System	None				
ERP LN	The country code of the address from ERP LN table field tccom130.ccty is mapped to this position and converts with ERP LN table ecedi440.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	6	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

ERP LN

Position	7	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

Position	8	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 Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tcom130.namc

Position	9	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

Position	10	Field Format	an..30	Field Status	C
Field Name	<u>City 2</u>				

Description This field contains further information of the City (province / country) corresponding to the Ship-from BP (evaluation expr. SFAD) or to the Ship-to BP (evaluation expr. STAD).

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

Position	11	Field Format	an..10	Field Status	C
Field Name	<u>ZIP / Postal Code</u>				

Description This field contains the ZIP or postal code referring to the delivery address corresponding to the evaluation SFAD / STAD.

Processing outgoing
EDI Sub-System None

ERP LN The ZIP Code from ERP LN table field tccom130.pstc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	12	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 corresponding to the evaluation SFAD / STAD.

Processing outgoing
EDI Sub-System None

ERP LN The State / province from ERP LN table field tccom130.cstc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	13	Field Format	an..32	Field Status	C
Field Name	<u>Telephone</u>				

Description This field contains the telephone number corresponding to the evaluation SFAD / STAD.

Processing outgoing
EDI Sub-System

None

ERP LN

The Telephone number from ERP LN table field tcom130.telp is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	14	Field Format	an..15	Field Status	C
Field Name	<u>Telex</u>				

Description This field contains the telex number corresponding to the evaluation SFAD / STAD

Processing outgoing
EDI Sub-System

None

ERP LN

The Telex number from ERP LN table field tcom130.telx is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	15	Field Format	an..32	Field Status	C
Field Name	<u>Telefax</u>				

Description This field contains the Fax number corresponding to the evaluation SFAD / STAD

Processing outgoing
EDI Sub-System

None

ERP LN

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

Processing Incoming
EDI Sub-System

ERP LN

Position	16	Field Format	an..10	Field Status	C
Field Name	<u>GEO Code</u>				

Description This field contains the GEO Code corresponding to the evaluation SFAD / STAD

Processing outgoing
EDI Sub-System

None

ERP LN

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

Processing Incoming
EDI Sub-System

ERP LN

Position	17	Field Format	an..10	Field Status	C
Field Name	<u>House Number</u>				

Description This field contains the house number referring to the address corresponding to the evaluation SFAD / STAD

Processing outgoing
EDI Sub-System

None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	18	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 corresponding to the evaluation SFAD / STAD

Processing outgoing
EDI Sub-System

None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	20	Field Format	an..30	Field Status	C
Field Name	<u>City Description</u>				

Description This field contains the Description of the City corresponding to the evaluation SFAD / STAD

Processing outgoing
EDI Sub-System None

ERP LN The string from ERP LN table field tcom130.dsca is mapped to this position.

Processing Incoming
EDI Sub-System
ERP LN

Position	22	Field Format	an..8	Field Status	C
Field Name	<u>City Code</u>				

Description This field contains the Code of the City corresponding to the evaluation SFAD / STAD

Processing outgoing
EDI Sub-System None

ERP LN The Code from ERP LN table field tcom130.ccit is mapped to this position.

Processing Incoming
EDI Sub-System
ERP LN

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 '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

ERP LN

SA4 Load Address Text

Status: Conditional
 Frequency: Multiple by Load
 Description: This data record contains the text information of a Load Address and is related to SA2.

Load Information - 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	M	an3	SA4			
2	Message Reference	O	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O	M	an..17	ecedi020.neta	Conversion (see below)		
4	Load Number	O	M	an..9	fmlbd400.load			
5								
6	Text		C	an..70	fmlbd400.text			
7	Data Record End Sign	O	M	an7	SA4_END			

Detailed description: Load Information
 Type of data record: SA4 Load Address Text

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

Description This field identifies the type 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

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 Load Information. The numbering, which has to be clear by Load Information, helps to control the chronological order of the Load information messages and the complete transmission.

Processing outgoing
 EDI Sub-System

ERP LN Refer to data record SA2

Processing Incoming
 EDI Sub-System

ERP LN

Position	3	Field Format	an..17	Field Status	M
Field Name	<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					

Position	4	Field Format	an..20	Field Status	M
Field Name	<u>Load Number</u>		Key field Out		
Description	This field contains the Load Number referring to the information message.				
Processing outgoing EDI Sub-System					
ERP LN	The position will be filled with the load number from ERP LN table field fmlbd400.load.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	6	Field Format	an..70	Field Status	C
Field Name	<u>Text</u>				
Description	This field contains a free text with a maximum of 80 characters.				
Processing outgoing EDI Sub-System					
ERP LN	Mapping of ERP LN table field fmlbd400.text to position.				
Processing Incoming EDI Sub-System					
ERP LN					

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					
ERP LN					

SA5 Shipments

Status: Mandatory
 Frequency: Multiple by Load
 Description: This data record contains the Shipments of the load and is related to SA2.

Load Information - 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	M	an3	SA5			
2	Message Reference	O	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O	M	an..17	ecedi020.neta	Conversion (see below)		
4	Load Number	O	M	an..9	fmlbd400.load			
5	Shipment.		M	an..9	fmlbd300.shpm			
6								
7	Load		C	an..9	fmlbd300.load			
8	Ship-from Type		C	an..9	fmlbd300.sfty	Conversion		
9	Ship-from Code		C	an..9	fmlbd300.sfco			
10	Ship-from Address		C	an..9	fmlbd300.sfad			
11	Ship-from Company		C	n..4	fmlbd300.sfcpc			
12	Address / BP Qualifier		M	an..6	ecedi224.code			
13	Load Address		C	an..9	fmlbd300.ldad			

Load Information - In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
14	Address / BP Qualifier	M	an..6	ecedi224.code	
15	Ship-to Company	C	n..4	fmlbd300.stcp	
16	Ship-to Type	C	an..9	fmlbd300.stty	Conversion
17	Ship-from Code	C	an..9	fmlbd300.stco	
18	Ship-to Address	C	an..9	fmlbd300.stad	
19	Address / BP Qualifier	M	an..6	ecedi224.code	
20	Unload Address	C	an..9	fmlbd300.ulad	
21	Address / BP Qualifier	M	an..6	ecedi224.code	
22	Planned Unload Date		n..14	fmlbd300.pddt	
...					
26					
27	Route Description	C	an..30	fmlbd050.dsca	
28	Terms of Delivery	C	an..6	fmlbd300.cdec	Code and Conversion
29	Point of Title passage	C	an..9	fmlbd300.ptpa	Code and Conversion
30	Freight Service Level	C	an..3	fmlbd300.serv	
31					
...					
34	Planned Load Date	C	n..14	fmlbd300.lddt	
35					

Load Information - In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
36	Estimated Freight Cost	C	n..16	fmlbd300.eamt	
37	Currency	C	an..6	fmlbd300.curr	Code and Conversion
38	Description	C	an..30	tcmcs002.dsca	
39	Obsolete	C	an..3	fmlbd300.cvyn	
40	Tax Country	C	an..3	fmlbd300.ccty	Conversion
41	Tax Code	C	an..9	fmlbd300.cvat	Conversion
42					
43					
44	Shipment Status	C	n..2	fmlbd300.ssta	
...					
50	Plan	C	an..9	fmlbd300.cpln	
51					
52	Shipment Procedure	C	an..3	fmlbd300.proc	
...					
56	Route Plan Description	C	an..30	fmfoc150.dsca.	
57					
58	Reference Shipment	C	an..9	fmlbd300.rfsh	
59					
...					
64	BP Shipment Number	C	an..30	fmlbd300.bpsn	
65	Data Record End Sign	O	M an7	SA5_END	

Detailed description: Load Information

Type of data record: SA5 Shipments

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

Description This field identifies the type 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

ERP LN

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

Description This field identifies all connected data records of one Load Information. The numbering, which has to be clear by Load Information helps to control the chronological order of the Load Information and the complete transmission.

Processing outgoing
EDI Sub-System

ERP LN Refer to data record SA2

Processing Incoming
EDI Sub-System

ERP LN

Position	3	Field Format	an..17	Field Status	M
Field Name	<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

Position	4	Field Format	an..20	Field Status	M
Field Name	<u>Load Number</u>		Key field Out		

Description This field contains the Load Number referring to the information message.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled with the load number from ERP LN table field fmlbd400.load.

Processing Incoming
EDI Sub-System

ERP LN

Position	5	Field Format	an..9	Field Status	M
Field Name	<u>Shipment</u>				

Description This field contains the own shipment number.

Processing outgoing
EDI Sub-System None

ERP LN The Shipment number is mapped from ERP LN table field fmlbd300.shpm to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	7	Field Format	an..9	Field Status	C
Field Name	<u>Load Number</u>				

Description This field contains the Load Number on shipment level.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled with the load number from ERP LN table field fmlbd300.load.

Processing Incoming
EDI Sub-System

ERP LN

Position	8	Field Format	an..9	Field Status	C
Field Name	<u>Ship-from Type</u>				

Description This field contains the type of location or organization from which the goods listed on the shipment lines

Processing outgoing
EDI Sub-System

None

ERP LN The type from ERP LN table field fmlbd300.sfty is mapped to this position after conversion with ERP LN table ecedi224.

Processing Incoming
EDI Sub-System

ERP LN

Position	9	Field Format	an..9	Field Status	C
Field Name	<u>Ship-from Code</u>				
Description	This field contains the code of the ship-from location or organization				
Processing outgoing EDI Sub-System	None				
ERP LN	The Code from ERP LN table field fmlbd300.sfco is mapped to this position				
Processing Incoming EDI Sub-System					
ERP LN					

Position	10	Field Format	an..9	Field Status	C
Field Name	<u>Ship-from Address</u>				
Description	This field contains the address of the ship-from location or organization				
Processing outgoing EDI Sub-System	None				
ERP LN	The address from ERP LN table field fmlbd300.sfad is mapped to this position				
Processing Incoming EDI Sub-System					
ERP LN					

Position	11	Field Format	n..4	Field Status	C
Field Name	<u>Ship-from Company</u>				
Description	This field contains the company for which the ship-from location or organization is defined.				
Processing outgoing EDI Sub-System	None				
ERP LN	The status from ERP LN table field fmlbd300.sfad is mapped to this position				
Processing Incoming EDI Sub-System					
ERP LN					

Position	12	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 which identifies the Ship-from Location.				
Processing outgoing EDI Sub-System	None				
ERP LN	Use the code "SFBP" to identify the Ship-from BP.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	13	Field Format	an..9	Field Status	C
Field Name	<u>Load Address</u>				
Description	This field contains the address at which the shipment is loaded.				
Processing outgoing EDI Sub-System	None				
ERP LN	The address from ERP LN table field fmlbd300.ldad is mapped to this position				
Processing Incoming EDI Sub-System					
ERP LN					

Position	14	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 which identifies the load address.				
Processing outgoing EDI Sub-System	None				
ERP LN	Use the code "SFBP" to identify the Ship-from BP.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	15	Field Format	n..4	Field Status	C
Field Name	<u>Ship-to Company</u>				

Description This field contains the company for which the ship-to location or organization is defined.

Processing outgoing
EDI Sub-System None

ERP LN The status from ERP LN table field fmlbd300.stcp is mapped to this position

Processing Incoming
EDI Sub-System

ERP LN

Position	16	Field Format	an..9	Field Status	C
Field Name	<u>Ship-to Type</u>				

Description This field contains the type of location or organization for which the goods listed on the shipment lines

Processing outgoing
EDI Sub-System None

ERP LN The type from ERP LN table field fmlbd300.stty is mapped to this position after conversion with ERP LN table ecedi224.

Processing Incoming
EDI Sub-System

ERP LN

Position	17	Field Format	an..9	Field Status	C
Field Name	<u>Ship-to Code</u>				

Description This field contains the code of the ship-to location or organization

Processing outgoing
EDI Sub-System None

ERP LN The Code from ERP LN table field fmlbd300.stco is mapped to this position

Processing Incoming
EDI Sub-System

ERP LN

Position	18	Field Format	an..9	Field Status	C
Field Name	<u>Ship-to Address</u>				

Description This field contains the address of the ship-to location or organization

Processing outgoing
EDI Sub-System None

ERP LN The address from ERP LN table field fmlbd300.stad is mapped to this position

Processing Incoming
EDI Sub-System

ERP LN

Position	19	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 which identifies the Ship-to Location.

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	20	Field Format	an..9	Field Status	C
Field Name	<u>Unload Address</u>				

Description This field contains the address which the shipment is unloaded.

Processing outgoing
EDI Sub-System None

ERP LN The address from ERP LN table field fmlbd300.pddd is mapped to this position

Processing Incoming
EDI Sub-System

ERP LN

Position	21	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 which identifies the Unload Location.				
Processing outgoing EDI Sub-System	None				
ERP LN	Use the code from the ERP LN table ecedi224 as "STBP".				
Processing Incoming EDI Sub-System					
ERP LN					

Position	22	Field Format	n..14	Field Status	C
Field Name	<u>Planned Unload Date</u>				
Description	This field contains the date / time (YYYYMMDDHHMMSS) the shipment should be unloaded.				
Processing outgoing EDI Sub-System	None				
ERP LN	The date / time from ERP LN table field fmlbd300.pddt is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	27	Field Format	an..30	Field Status	C
Field Name	<u>Route Description</u>				
Description	This field contains description of the standard route.				
Processing outgoing EDI Sub-System					
ERP LN	The position will be filled from ERP LN table field fmlbd050.dsca				
Processing Incoming EDI Sub-System					
ERP LN					

Position	28	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 alphanumerical identification. You could use the EDIFACT notification or an own definition, for example CFR = Cost and Freight CIF = Cost, Insurance and Freight DES = Delivered Ex Ship DDU = Delivered Duty Unpaid FCA = Free Carrier				
Processing outgoing EDI Sub-System	None				
ERP LN	The purchase contract number is mapped from ERP LN table fmlbd300.cdec to this position after conversion with ERP LN table ecedi430.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	29	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 fmlbd300tpa is mapped to this position after conversion by ERP LN table ecedi229.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	30	Field Format	an..3	Field Status	C
Field Name	<u>Freight Service Level</u>				
Description	The field identifies the service level which will be used to express the duration of transportation.				
Processing outgoing EDI Sub-System	None				
ERP LN	The ERP LN table field fmlbd300tpa is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	34	Field Format	an..14	Field Status	C
Field Name	<u>Planned load date / time</u>				
Description	This field contains the date / time (YYYYMMDDHHMMSS) the load is picked up.				
Processing outgoing EDI Sub-System					
ERP LN	The ERP LN table field fmlbd300.lddt is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	36	Field Format	an..16	Field Status	C
Field Name	<u>Estimated Freight Cost</u>				

Description This position contains the amount of the estimated Freight Cost - regarding the currency given in position 37.

Field Format: NNNNNNNNNNN.NNNN (11.4)

Processing outgoing

EDI Sub-System

None

ERP LN

The Freight Cost from ERP LN table field fmlbd300.eamt is mapped to this position.

Processing Incoming

EDI Sub-System

ERP LN

Position	37	Field Format	an..6	Field Status	C
Field Name	<u>Currency</u>				

Description This field contains the Currency relevant for the Load Information. It contains the clear alphanumerical identification of the currency. The currency code will be defined according to ISO 4217.

Processing outgoing

EDI Sub-System

None

ERP LN

The Currency from ERP LN table field fmlbd300.curr is mapped to this position and converted using table ecedi438.

Processing Incoming

EDI Sub-System

ERP LN

Position	38	Field Format	an..30	Field Status	C
Field Name	<u>Description</u>				
Description	This field contains currency's description.				
Processing outgoing EDI Sub-System					
ERP LN	The position will be filled from ERP LN table field tomcs002.dsca				
Processing Incoming EDI Sub-System					
ERP LN					

Position	39	Field Format	an..3	Field Status	C
Field Name	<u>Obsolete</u>				
Description	This field opts if the tax amount for the freight amounts is calculated.				
Processing outgoing EDI Sub-System					
ERP LN	The position will be filled from ERP LN table field fmlbd300.cvyn.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	40	Field Format	an..3	Field Status	C
Field Name	<u>Tax Country</u>				
Description	This field includes the tax country code.				
Processing outgoing EDI Sub-System					
ERP LN	The country code from ERP LN table field fmlbd300.cty is mapped to this position after conversion by the ERP LN table field ecedi440...				
Processing Incoming EDI Sub-System					
ERP LN					

Position	41	Field Format	an..3	Field Status	C
Field Name	<u>Tax Code</u>				

Description This field includes the tax code.

Processing outgoing
EDI Sub-System

ERP LN The tax code from ERP LN table field fmlbd300.cvat is mapped to this position after conversion by the ERP LN table field ecedi446..

Processing Incoming
EDI Sub-System

ERP LN

Position	44	Field Format	n..2	Field Status	C
Field Name	<u>Shipment Status</u>				

Description This field contains the code of the actual shipment's status. It is sent by the following numeric value:

1 = Expected	2 = Planned	3 = Actual
4 = In progress	5 = Confirmed	6 = Shipped
7 = Completed	8 = Closed	9 = Ignored and replaced

Processing outgoing
EDI Sub-System

ERP LN The status from ERP LN table field fmlbd300.ssta is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	50	Field Format	an..9	Field Status	C
Field Name	<u>Plan</u>				

Description This field identifies the structure of shipment and load..

Processing outgoing
EDI Sub-System

ERP LN The status from ERP LN table field fmlbd300.cpln is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	52	Field Format	an..9	Field Status	C
Field Name	<u>Shipment Procedure</u>				

Description This field identifies the procedure that is carried out to transport the shipment.

Processing outgoing
EDI Sub-System

ERP LN The procedure code from ERP LN table field fmlbd300.proc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	56	Field Format	an..30	Field Status	C
Field Name	<u>Route Plan Description</u>				

Description This field contains the actual route plan's description.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled from ERP LN table field fmfoc150.dsca

Processing Incoming
EDI Sub-System

ERP LN

Position	58	Field Format	an..9	Field Status	C
Field Name	<u>Reference Shipment</u>				

Description This position contains the reference number for the shipping (outbound) or receiving (inbound) warehouse.

Processing outgoing
EDI Sub-System None

ERP LN The Reference from ERP LN table field fmlbd300.rfsh is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	64	Field Format	an..30	Field Status	C
Field Name	<u>BP Shipment Number</u>				

Description This position contains Business Partner's Shipment Number.

Processing outgoing
EDI Sub-System None

ERP LN The number from ERP LN table field fmlbd300.bpsn is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	65	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 Addresses

Status: Conditional
 Frequency: Multiple by Load
 Description: This data record contains the specific addresses of the Shipment and is related data record SA5.

Load Information 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	M	an3	SA6			
2	Message Reference	O	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O	M	an..17	ecedi020.neta	Conversion (see below)		
4	Load Number	O	M	an..9	fmlbd400.load			
5	Shipment.	O	M	an..9	fmlbd300.shpm			
6	Address Qualifier		M	an..6	ecedi224.code			
7	Country		C	an..3	tccom130.ccty	Code and conversion		
8	Name		C	an..35	tccom130.nama			
9	Name 2		C	an..35	tccom130.namb			
10	Address		C	an..30	tccom130.namc			
11	Address 2		C	an..30	tccom130.namd			
12	City 2		C	an..30	tccom130.namf			
13	ZIP / Postal Code		C	an..10	tccom130.pstc			
14	State / Province		C	an..2	tccom130.cste			

Load Information In-house Format					Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
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	City Description	C	an..30		tccom130.dsca	
23						
24	City Code	C	an..8		tccom130.ccit	
25	Data Record End Sign	O	M an7		SA6_END	

Detailed description: Load Information
 Type of data record: SA6 Shipment Addresses

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

Description This field identifies the type of data record in the message block. It contains the constant value 'SA6'.

Processing outgoing
 EDI Sub-System

ERP LN This field will be filled with the constant value 'SA6'.

Processing Incoming
 EDI Sub-System

ERP LN

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

Description This field identifies all connected data records of one Load Information. The numbering, which has to be clear by Load Information, helps to control the chronological order of the messages and the complete transmission.

Processing outgoing
 EDI Sub-System

ERP LN Refer to data record SA5

Processing Incoming
 EDI Sub-System

ERP LN

Position	3	Field Format	an..17	Field Status	M
Field Name	<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 SA5

Processing Incoming
EDI Sub-System

ERP LN

Position	4	Field Format	an..20	Field Status	M
Field Name	<u>Load Number</u>		Key field Out		

Description This field contains the Load Number referring to the information message.

Processing outgoing
EDI Sub-System

ERP LN The position will be filled with the load number from ERP LN table field fmlbd400.load.

Processing Incoming
EDI Sub-System

ERP LN

Position	5	Field Format	an..9	Field Status	M
Field Name	<u>Shipment</u>				

Description This field contains the own shipment number.

Processing outgoing
EDI Sub-System None

ERP LN The Shipment number is mapped from ERP LN table field fmlbd300.shpm to this position.

Processing Incoming
EDI Sub-System

ERP LN

Infor distinguishes four appearances of SA6 referring to

- 1 Ship-from BP address
- 2 Load address
- 3 Ship-to BP address
- 4 Unload address

The Address Qualifier defines which the appearance of the data record is.

Position	6 (1)	Field Format	an..14	Field Status	C
Field Name	<u>Address Qualifier Ship-from 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;
the default value is "SFBP".

Processing Incoming
EDI Sub-System

ERP LN

Position	6 (2)	Field Format	an..14	Field Status	C
Field Name	<u>Address Qualifier Load</u> <u>Address</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;
the default value is "LOAD".

Processing Incoming
EDI Sub-System

ERP LN

Position	6 (3)	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; the default value is "STBP".

Processing Incoming
 EDI Sub-System

ERP LN

Position	6 (4)	Field Format	an..14	Field Status	C
Field Name	<u>Address Qualifier Unload</u> <u>Address</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; the default value is "UNLD".

Processing Incoming
 EDI Sub-System

ERP LN

Position	7	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

Position	8	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				

Description This field contains the first part of Name

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	9	Field Format	an..30	Field Status	C
Field Name	<u>Name 2</u>				

Description This field contains the second part of name

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	10	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					

Position	11	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					

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					

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

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

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

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 tcom130.telx is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

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 tcom130.telfx is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

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 tcom130.geoc is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

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

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

Position	22	Field Format	an..30	Field Status	C
Field Name	<u>City Description</u>		Key field		

Description This field contains the Description of the City

Processing outgoing
EDI Sub-System None

ERP LN The string from ERP LN table field tccom130.dsca is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	24	Field Format	an..8	Field Status	C
Field Name	<u>City Code</u>				

Description This field contains the Code of the City

Processing outgoing
EDI Sub-System None

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

Processing Incoming
EDI Sub-System

ERP LN

Position	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 'SA6_END'.

Processing outgoing
EDI Sub-System

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

Processing Incoming
EDI Sub-System

ERP LN

SA7 Shipment Text

Status: Conditional
 Frequency: Multiple by Load
 Description: This data record contains the text information of a Shipment and is related to SA5.

Load Information 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	M	an3	SA7			
2	Message Reference	O	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O	M	an..17	ecedi020.neta	Conversion (see below)		
4	Load Number	O	M	an..9	fmlbd400.load			
5	Shipment.	O	M	an..9	fmlbd300.shpm			
6	Text		C	an..70	fmlbd400.text			
7								
8								
9	Data Record End Sign	O	M	an7	SA7_END			

Detailed description: Load Information
 Type of data record: SA7 Shipment Text

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

Description This field identifies the type of data record in the message block. It contains the constant value 'SA7'.

Processing outgoing
 EDI Sub-System

ERP LN This field will be filled with the constant value 'SA7'.

Processing Incoming
 EDI Sub-System

ERP LN

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

Description This field identifies all connected data records of one Load Information. The numbering, which has to be clear by Load Information, helps to control the chronological order of the Load information messages and the complete transmission.

Processing outgoing
 EDI Sub-System

ERP LN Refer to data record SA5

Processing Incoming
 EDI Sub-System

ERP LN

Position	3	Field Format	an..17	Field Status	M
Field Name	<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 SA5

Processing Incoming
EDI Sub-System

ERP LN

Position	4	Field Format	an..20	Field Status	M
Field Name	<u>Load Number</u>		Key field Out		

Description This field contains the Load Number referring to the information message.

Processing outgoing
EDI Sub-System

ERP LN Refer to data record SA5

Processing Incoming
EDI Sub-System

ERP LN

Position	5	Field Format	an..9	Field Status	M
Field Name	<u>Shipment</u>				

Description This field contains the own shipment number.

Processing outgoing
EDI Sub-System

None

ERP LN The Shipment number is mapped from ERP LN table field fmlbd300.shpm to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	6	Field Format	an..80	Field Status	C
Field Name	<u>Text</u>				

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

Processing outgoing
EDI Sub-System

ERP LN Mapping of ERP LN table field fmlbd300.text to position.

Processing Incoming
EDI Sub-System

ERP LN

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 'SA7_END'.

Processing outgoing
EDI Sub-System

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

Processing Incoming
EDI Sub-System

ERP LN

SA8 Shipment Lines

Status: Mandatory

Frequency: Multiple by Load

Description: This data records contain information about the shipped items; it is related to SA5.

Load Information - 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	M	an3	SA8			
2	Message Reference	O	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O	M	an..17	ecedi020.neta	Conversion (see below)		
4	Load Number	O	M	an..9	fmlbd400.load			
5	Shipment.	O	M	an..9	fmlbd300.shpm			
6	Shipment Line		M	n..4	fmlbd300.pono			
7								
8	Item		M	an..47	fmlbd350.item			
9	BP's Item Code		C	an..47	fmlbd350.item	Conversion		
10	Description of the Item		C	an..30	tcibd001.dsca			
11	Qualifier Item Code		M	an..6	ecedi011.code / SA			
12	Planned Quantity		M	n..15	fmlbd350.quan			
...								
16	Storage Unit		M	an..3	fmlbd350.cuni	Code and Conversion		

Load Information - In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
...					
20	Gross Weight	C	n..16	fmlbd350.grwt	
21					
22	Weight Unit	C	an..3	fmlbd350.cwun	Code and Conversion
23					
24	Freight Order	C	an..9	fmlbd350.orno	
25					
26	Freight Order Line	C	n..4	fmlbd350.fono	
27					
28	BOM Line	C	n..4	fmlbd350.boml	
29					
30	Line Status	C	an..9	fmlbd350.lsta	
31					
32	Planned Volume	C	n..16	fmlbd350.volu	
33					
34	Volume Unit	C	an..3	fmlbd350.vlun	Code and Conversion
35					
36	Planned Floor Space	C	n..16	fmlbd350.arun	
37	Floor Space Unit	C	an..3	fmlbd359.arun	
38	Planned Additional Rate	C	n..16	fmlbd350.adrq	
39	Additional Rate Unit	C	an..3	fmlbd350.adru	Conversion

Load Information - In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
40	Estimated Freight Cost	C	n..16	fmlbd350.amnt	
41	Currency	C	an..3	fmlbd350.curr Conversion	
42					
43					
44	Additional Cost Line	C	an..3	fmlbd350.addc	
45					
46	Planned Freight Value	C	n..16	fmlbd350.fval	
...					
50	Data record end sign	M	an..7	SA8_END	

Detailed description: Load Information
 Type of data record: SA8 Shipment Lines

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

Description This field identifies the type 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

ERP LN

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

Description This field identifies all connected data records of one Load Information. The numbering, which has to be clear by Load Information, helps to control the chronological order of the messages and the complete transmission.

Processing outgoing
 EDI Sub-System

ERP LN Refer to data record SA2

Processing Incoming
 EDI Sub-System

ERP LN

Position	3	Field Format	an..17	Field Status	M
Field Name	<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

Position	4	Field Format	an..9	Field Status	M
Field Name	<u>Load Number</u>		Key field Out		

Description This field contains the Load Number referring to the information message.

Processing outgoing

EDI Sub-System

ERP LN

Refer to data record SA5

Processing Incoming

EDI Sub-System

ERP LN

Position	5	Field Format	an..9	Field Status	M
Field Name	<u>Shipment</u>		Key field Out		

Description This field contains the own shipment number.

Processing outgoing

EDI Sub-System

None

ERP LN

The Shipment number is mapped from ERP LN table field fmlbd300.shpm to this position.

Processing Incoming

EDI Sub-System

ERP LN

Position	5	Field Format	n..4	Field Status	M
Field Name	<u>Shipment Position</u>				

Description This field contains the Shipment Position Number.

Processing outgoing
 EDI Sub-System None

ERP LN The Shipment line's number from ERP LN table field fmlbd350.pono is mapped to this position.

Processing Incoming
 EDI Sub-System
 ERP LN

Position	8	Field Format	an..47	Field Status	M
Field Name	<u>Item Code</u>				

Description This field contains the Item code

Processing outgoing
 EDI Sub-System

ERP LN The item code from ERP LN table field fmlbd350.item is mapped to this position.

Processing Incoming
 EDI Sub-System
 ERP LN

Position	9	Field Format	an..47	Field Status	C
Field Name	<u>Buyer's 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 fmlbd350.item is mapped to this position. If the buyer wants to send out the EAN Item Code a conversion is needed. The conversion setup has to be adapted to the demand under the use of the corresponding qualifier.

Processing Incoming
EDI Sub-System

ERP LN

Position	10	Field Format	an..30	Field Status	C
Field Name	<u>Description of the item</u>				

Description This field contains the description of the item.

Processing outgoing
EDI Sub-System

ERP LN The description of the item from ERP LN table field tcibd001.dsca is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	11	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, default value "SA".

Processing Incoming
EDI Sub-System

ERP LN

Position	12	Field Format	n..16	Field Status	M
Field Name	<u>Planned Quantity</u>				

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

Processing outgoing
EDI Sub-System

ERP LN The shipped quantity from ERP LN table field fmlbd350.quan is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	16	Field Format	an..3	Field Status	C
Field Name	<u>Storage Unit</u>				

Description This field contains the unit of shipped quantity.

Processing outgoing
EDI Sub-System

ERP LN The unit from ERP LN table field whinh431.cuni is mapped to this position and converted with ERP LN table ecedi442.

Processing Incoming
EDI Sub-System

ERP LN

Position	20	Field Format	n..16	Field Status	C
Field Name	<u>Gross Weight</u>				

Description This field contains the planned total weight amount of the item.

Processing outgoing
EDI Sub-System

ERP LN The unit from ERP LN table field fmlbd350.grwt is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	22	Field Format	an..3	Field Status	C
Field Name	<u>Weight Unit</u>				

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

Processing outgoing
EDI Sub-System

ERP LN The unit from ERP LN table field fmlbd350.cwun is mapped to this position and converted with ERP LN table ecedi442.

Processing Incoming
EDI Sub-System

ERP LN

Position	24	Field Format	an..9	Field Status	C
Field Name	<u>Freight Order</u>				

Description This field contains the freight order on which the shipment line is based.

Processing outgoing
EDI Sub-System

ERP LN The freight order number from ERP LN table field fmlbd350.orno is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	26	Field Format	an..4	Field Status	C
Field Name	<u>Freight Order Line</u>				

Description This field contains the freight order line.

Processing outgoing
EDI Sub-System

ERP LN The line number from ERP LN table field fmlbd350.fono is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	28	Field Format	an..4	Field Status	C
Field Name	<u>BOM Line</u>				

Description This field contains the identification number of the component item line.

Processing outgoing
EDI Sub-System

ERP LN The BOM line number from ERP LN table field fmlbd350.boml is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	30	Field Format	n..2	Field Status	C
Field Name	<u>Line Status</u>				

Description This field contains the code of the shipment line's status. It is sent by the following numeric value:

1 = Expected	2 = Planned	3 = Actual
4 = In progress	5 = Confirmed	6 = Shipped
7 = Completed	8 = Closed	9 = Ignored and replaced

Processing outgoing
EDI Sub-System

ERP LN The status from ERP LN table field fmlbd350.lsta is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	32	Field Format	an..16	Field Status	C
Field Name	<u>Planned Volume</u>				

Description This field contains the planned volume referring to the shipment line.

Processing outgoing
EDI Sub-System

ERP LN The volume from ERP LN table field fmlbd350.volu is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	34	Field Format	an..3	Field Status	C
Field Name	<u>Volume Unit</u>				

Description This field contains the corresponding unit of good's volume.

Processing outgoing
EDI Sub-System

ERP LN The unit from ERP LN table field fmlbd350.vlun is mapped to this position and converted with ERP LN table ecedi442.

Processing Incoming
EDI Sub-System

ERP LN

Position	36	Field Format	an..16	Field Status	C
Field Name	<u>Planned Floor Space</u>				

Description This field contains the planned floor space referring to the shipment line.

Processing outgoing
EDI Sub-System

ERP LN The space from ERP LN table field fmlbd350.area is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	37	Field Format	an..3	Field Status	C
Field Name	<u>Floor Space Unit</u>				

Description This field contains the corresponding unit of good's space.

Processing outgoing
EDI Sub-System

ERP LN The unit from ERP LN table field fmlbd350.arun is mapped to this position and converted with ERP LN table ecedi442.

Processing Incoming
EDI Sub-System

ERP LN

Position	38	Field Format	n..16	Field Status	C
Field Name	<u>Planned Additional Rate</u>				

Description This field contains the quantity by unit against which you can define freight rates.

Processing outgoing
EDI Sub-System

ERP LN The rate from ERP LN table field fmlbd350.adrq is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	39	Field Format	an..3	Field Status	C
Field Name	<u>Additional Rate Unit</u>				

Description This field contains the corresponding unit of good's space.

Processing outgoing
EDI Sub-System

ERP LN The unit from ERP LN table field fmlbd350.adru is mapped to this position and converted with ERP LN table ecedi442.

Processing Incoming
EDI Sub-System

ERP LN

Position	40	Field Format	n..16	Field Status	C
Field Name	<u>Estimated Freight Cost</u>				

Description This position contains the amount of the estimated line specific Freight Cost

Processing outgoing
EDI Sub-System None

ERP LN The Freight Cost from ERP LN table field fmlbd350.amnt is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	41	Field Format	an..3	Field Status	C
Field Name	<u>Currency</u>				

Description This field contains the Currency relevant for the Load Information.

Processing outgoing
EDI Sub-System None

ERP LN The Currency from ERP LN table field fmlbd350.curr is mapped to this position and converted using table ecedi438.

Processing Incoming
EDI Sub-System

ERP LN

Position	44	Field Format	an..3	Field Status	C
Field Name	<u>Additional Cost Line</u>				

Description This position identifies if the current shipment line is an additional cost line.

Processing outgoing
EDI Sub-System None

ERP LN The value from ERP LN table field fmlbd350.addc is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	46	Field Format	n..16	Field Status	C
Field Name	<u>Planned Freight Value</u>				
Description	This position includes the shipment line's freight value.				
Processing outgoing EDI Sub-System	None				
ERP LN	The value from ERP LN table field fmlbd350.fval is mapped to this position.				
Processing Incoming EDI Sub-System					
ERP LN					

Position	40	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					

SA9 Shipment Line's Address

Status:	Conditional
Frequency:	Multiple by Load
Description:	This data record contains the delivery Address of the Shipment Line and is related to SA8.

This data record is not be used currently.

SA10 Shipment Line's Text

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

Load Information - 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	M	an3	SA10			
2	Message Reference	O	M	an..35	ecedi701.bano	Generation (see below)		
3	Net ID of Sender	O	M	an..17	ecedi020.neta	Conversion (see below)		
4	Load Number	O	M	an..9	fmlbd400.load			
5	Shipment	O	M	an..9	fmlbd300.shpm			
6	Shipment Line	O	M	n..3	fmlbd350.pono			
7								
8	Free text		C	an..80	fmlbd350.text			
9								
10	Data Record End Sign	O	M	an7	SA10_END			

Detailed description: ASN
 Type of data record: SA10 Shipment Line Text

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

Description This field identifies the type 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

ERP LN

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

Description This field identifies all connected data records of one Load Information. The numbering, which has to be clear by Load Information, helps to control the chronological order of the messages and the complete transmission.

Processing outgoing
 EDI Sub-System

ERP LN Refer to data record SA8

Processing Incoming
 EDI Sub-System

ERP LN

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 SA8

Processing Incoming

EDI Sub-System

ERP LN

Position	4	Field Format	an..20	Field Status	M
Field Name	<u>Load Number</u>		Key field Out		

Description This field contains the Load Number referring to the information message.

Processing outgoing

EDI Sub-System

ERP LN

Refer to data record SA8

Processing Incoming

EDI Sub-System

ERP LN

Position	5	Field Format	an..9	Field Status	M
Field Name	<u>Shipment</u>		Key field Out		

Description This field contains the own shipment number.

Processing outgoing

EDI Sub-System

None

ERP LN

The Shipment number is mapped from ERP LN table field fmlbd300.shpm to this position.

Processing Incoming

EDI Sub-System

ERP LN

Position	5	Field Format	n..4	Field Status	M
Field Name	<u>Shipment Position</u>		Key field Out		

Description This field contains the Shipment Position Number.

Processing outgoing
EDI Sub-System None

ERP LN The Shipment line's number from ERP LN table field fmlbd350.pono is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	8	Field Format	an..80	Field Status	C
Field Name	<u>Line Text</u>				

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

Processing outgoing
EDI Sub-System

ERP LN Mapping of ERP LN table field fmlbd350.text to position.

Processing Incoming
EDI Sub-System

ERP LN

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

ERP LN

Chapter 3

Definitions, Acronyms, and Abbreviations

3

Term	Description
ANSI X12	American National Standards Institute Accredited Standards Committee X12; Standard definitions of American EDI Directories
ASCII	American Standard Code for Information Interchange
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
VDA	The German Association of the Automotive Industry; Standard definitions of German EDI Directories

"SA6";"AUSYD200807310000000000000000000047";"RJ293";"LOF000407";"SHF000376";"0";"NLD";"com110:Amsterdam Weesperstraat 103";";";"Weesperstraat";";";";"1018VN";"NH";"(0)20-6203239";";";"(0)20-6268975";";";"103";";";"Amsterdam";";"AMS";"SA6_END"

"SA6";"AUSYD200807310000000000000000000047";"RJ293";"LOF000407";"SHF000376";"0";"NLD";"com110:Amsterdam Weesperstraat 103";";";"Weesperstraat";";";";"1018VN";"NH";"(0)20-6203239";";";"(0)20-6268975";";";"103";";";"Amsterdam";";"AMS";"SA6_END"

"SA7";"AUSYD200807310000000000000000000047";"RJ293";"LOF000407";"SHF000376";"Shipment text 1";"Shipment text 2";";"SA7_END"

"SA8";"AUSYD200807310000000000000000000047";"RJ293";"LOF000407";"SHF000376";"10";"ETSOT";"ETSOT";"ET Sales Order Test";";2";";"PCS";";";1.1";"kg";";";";"0";";";";"FMO000281";";10";0;3;0.03;";"m3";0.2;";"m2";0;";53.3546;";"EUR";";2;15;";"SA8_END"

"SA8";"AUSYD200807310000000000000000000047";"RJ293";"LOF000407";"SHF000376";"20";"ETSOTA";"ETSOTA";"ET Sales Order Test Azteka";";2";";"PCS";";";2;";"kg";";";";"0";";";";"FMO000281";";20";0;3;0.016;";"m3";0.16;";"m2";2;";"pcs";97.0084;";"EUR";";2;10;";"SA8_END"

"SA10";"AUSYD200807310000000000000000000047";"RJ293";"LOF000407";"SHF000376";"10";"test FRM ii";";"SA10_END"

"SA10";"AUSYD200807310000000000000000000047";"RJ293";"LOF000407";"SHF000376";"20";"test FRM";";"SA10_END"
