

Definition of BEMIS RAD001 Import and Export File for Business Document Remittance Advice

Copyright © 2008 Infor

All rights reserved. The word and design marks set forth herein are trademarks and/or registered trademarks of Infor and/or related affiliates and subsidiaries. All rights reserved. All other trademarks listed herein are the property of their respective owners.

Important Notices

The material contained in this publication (including any supplementary information) constitutes and contains confidential and proprietary information of Infor.

By gaining access to the attached, you acknowledge and agree that the material (including any modification, translation or adaptation of the material) and all copyright, trade secrets and all other right, title and interest therein, are the sole property of Infor and that you shall not gain right, title or interest in the material (including any modification, translation or adaptation of the material) by virtue of your review thereof other than the non-exclusive right to use the material solely in connection with and the furtherance of your license and use of software made available to your company from Infor pursuant to a separate agreement ("Purpose").

In addition, by accessing the enclosed material, you acknowledge and agree that you are required to maintain such material in strict confidence and that your use of such material is limited to the Purpose described above.

Although Infor has taken due care to ensure that the material included in this publication is accurate and complete, Infor cannot warrant that the information contained in this publication is complete, does not contain typographical or other errors, or will meet your specific requirements. As such, Infor does not assume and hereby disclaims all liability, consequential or otherwise, for any loss or damage to any person or entity which is caused by or relates to errors or omissions in this publication (including any supplementary information), whether such errors or omissions result from negligence, accident or any other cause.

Trademark Acknowledgements

All other company, product, trade or service names referenced may be registered trademarks or trademarks of their respective owners.

Publication Information

Document code: U9513A US

Release: ERP LN 6.1 Electronic Commerce

Publication date: September 08

Table of Contents

Chapter 1	General Principles	1-1
	Available types of data records	1-1
	Branching diagrams	1-2
	Key fields outgoing.....	1-3
	Key fields incoming	1-3
	Network directories	1-4
	ERP LN BEMIS messages – conventions.....	1-6
	What is new in comparison to BEMIS for BAAN V?	1-8
Chapter 2	Data Record Description by Type of Data Record	2-1
	SA1 Message Overhead	2-1
	SA2 Remittance Advice Header.....	2-8
	SA3 Remittance Advice Line Data	2-14
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 “Remittance Advice”, 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 REMADV
- ANSI X12 820
- VDA 4907

The message structure is defined by referring to the incoming 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 Remittance Advice.

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 Remittance Advice.

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 incoming message RAD001.

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 EDI Business Documents</i>

Send us your comments

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

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

Chapter 1

General Principles

Available types of data records

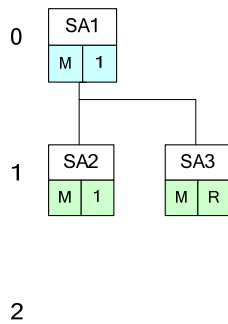
This section describes the EDI In-house format for the Business Document type Remittance Advice (incoming). When you transmit information about remittance advices, the use of the following types of data records is conditional (C) or respectively mandatory (M).

ID	Status	Name
SA1	M	Global Overhead
SA2	M	Header
SA3	M	Line Data

Branching diagrams

The following data record structure is used for the BEMIS message type Remittance Advice:

Level



Legend:

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

For example, two remittance advices with two lines each the BEMIS file have the following structure:

```

SA1 ... ERP LN Envelop
  SA2 ... Header 1
    SA3 ... Line Data 11
    SA3 ... Line Data 12
SA1 ... ERP LN Envelop
  SA2 ... Header 2
    SA3 ... Line Data 21
    SA3 ... Line Data 22
  
```

Key fields outgoing

The EDI business document “Remittance Advice” outgoing is not supported by Infor ERP LN yet.

Key fields incoming

The incoming message refers to the Pay-by Business Partner. The following structure of the key fields is used to determine the corresponding data records of a remittance advice message:

Sorted by key					
Type	Data	Rec.	key 1	key 2	key 3
field 1	Backpt				
SA1			Message Reference	Business Partner	Order Reference
SA2	1		Message Reference	Business Partner	Order Reference
SA3	2		Message Reference	Business Partner	Order Reference

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 remittance advices, one network directory can be used for outgoing messages and one can be used for incoming messages.
- Every business partner can use their own network directory, and the files would be able to contain data for several messages types.

Infor recommends the second possibility.

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

- `/${BSE}/edi/bemis/advices/`
-

ERP LN will additionally create the following subdirectories:

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

The above mentioned directories refer to one message type, “Remittance Advice”. The directories have the following functions:

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

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

Direction	File Name	Network Directory
outgoing		
incoming	rad001.txt	<code>/\${BSE}/edi/bemis/advices/appl_to</code>

ERP LN BEMIS messages – conventions

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

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

Empty numerical Position: “SAx”; ... ; ; ... ;”SAx_END”

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

“SAx”; ... ; ; ... ;”SAx_END” and “SAx”; ... ; “”; ... ;”SAx_END”

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

REMITTANCE ADVICE IN-HOUSE FORMAT

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

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

Pos Position of the field in the data record

Field description Description of the field

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

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

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

Table Field	Action

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

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

What is new in comparison to BEMIS for BAAN V?

- The Overhead has been changed. Please refer to Chapter 2 for more details.

Chapter 2

Data Record Description by Type of Data Record

SA1 Message Overhead

Status: Mandatory

Frequency: Once by remittance advice

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.

Remittance Advice 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	I	M	an3			SA1	
2	Message Reference	I	M	an..35			ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	I	M	an..17			ecedi702.bpid	Conversion (see below)
4	Order Reference	I	M	an..17			ecedi702.msno	

Remittance Advice In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
5					
6	Organization	M	an..6		ecedi702.orga Conversion (see below)
7	Message	M	an..6		ecedi702.mess Conversion (see below)
8	Order Type	M	an..35		ecedi702.koor Conversion (see below)
9	Test Identifier	C	n1		ecedi702.test
10	Date of transmission	M	n..14		ecedi702.send
11	Data record end sign	M	an7		SA1_END

Detailed description: Remittance Advice
 Type of data record: SA1 Message Overhead

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

Description This field identifies the type of data record in the message block. It contains the constant value 'SA1'.

Processing outgoing
 EDI Sub-System

ERP LN

Processing Incoming
 EDI Sub-System

This field will be filled with the constant value 'SA1'.

ERP LN

None

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

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

Processing Incoming
 EDI Sub-System

The EDI Sub-System generates this number to identify a remittance advice and writes it into all data records of a remittance advice.

ERP LN

Mapping to ERP LN table field ecedi702.bano.

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

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

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

ERP LN The identification of the sender determines the corresponding business partner (customer) and the network in the table ecedi028 'Relations by network'. This identification is mapped to the ERP LN table field ecedi702.bpid.

Position	4	Field Format	an..17	Field Status	M
Field Name	<u>Order Reference</u>		Key field IN		

Description This field contains the order reference.

Processing outgoing
EDI Sub-System

ERP LN

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

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

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

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

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

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

ERP LN

Mapping to ERP LN table field ecedi702.orga. The corresponding Organization must have been entered into the ERP LN table ecedi003.None

Position	7	Field Format	an..6	Field Status	M
Field Name	<u>Message</u>				

Description This field contains the code for the identification of the concerned message. The code for the message type 'Remittance advices' is RAD001.

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

This field will be filled with the constant value 'RAD001'.

ERP LN

The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this Remittance Advice. In the ERP LN table ecedi005 'EDI Messages' is determined for every message which session (DLL) is used in ERP LN to process the remittance advice. The message code is mapped to the ERP LN table field ecedi702.mess.

Position	8	Field Format	an..35	Field Status	M
Field Name	<u>Order Type</u>				

Description This field contains a code for the concerned order type.

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

ERP LN Mapping to ERP LN table field ecedi702.koor. In the ERP LN table ecedi200 there must be an entry for this order type in connection with the respective message and organization.

Position	9	Field Format	an1	Field Status	C
Field Name	<u>Identifier of Test</u>				

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

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

ERP LN Transmission of the value from the transmission file.

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

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

Description This field contains on the outgoing side the current date, on which the remittance advice message was created. On the incoming side, this field contains the arrival date / time of the remittance advice at the EDI Sub-System (format: YYYYMMDDHHMMSS).

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

Entry of the arrival date / time of the message at the EDI Sub-System.

ERP LN

Mapping to ERP LN table field ecedi702.send

Position	11	Field Format	an7	Field Status	M
Field Name	<u>Data Record end sign</u>				

Description This field identifies the end of data record in the message block. It contains the constant value 'SA1_END'.

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

This field will be filled with the constant value 'SA1_END'.

ERP LN

None

SA2 Remittance Advice Header

Status: Mandatory

Frequency: Once by remittance advice

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

Remittance Advice 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	I	M	an3			SA2	
2	Message Reference	I	M	an..35			ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	I	M	an..17			ecedi702.bpid	Conversion (see below)
4	Order Reference	I	M	an..17			ecedi702.msno	
5	Pay-by Business Partner		M	an..20			tfcmg506.pbbp	Code and Conversion
6	<u>Qualifier Address Code</u>		C	an..6			"ZZ"	
7	<u>Address / BP Code</u>		C	an..6			"PBBP"	
8	Statement Date		M	n..14			tfcmg506.std	
9	Data record end sign		M	an7			SA2_END	

Detailed description: Remittance advice
 Type of data record: SA2 Header

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

Description This field identifies the type of data record in the message block. It contains the constant value 'SA1'.

Processing outgoing
 EDI Sub-System

ERP LN

Processing Incoming
 EDI Sub-System

This field will be filled with the constant value 'SA1'.

ERP LN

None

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

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

Processing Incoming
 EDI Sub-System

The EDI Sub-System generates this number to identify a remittance advice and writes it into all data records of a remittance advice.

ERP LN

Mapping to ERP LN table field ecedi702.bano.

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

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

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

ERP LN The identification of the sender determines the corresponding business partner (customer) and the network in the table ecedi028 'Relations by network'. This identification is mapped to the ERP LN table field ecedi702.bpid.

Position	4	Field Format	an..17	Field Status	M
Field Name	<u>Order Reference</u>		Key field IN		

Description This field contains the order reference.

Processing outgoing
EDI Sub-System

ERP LN

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

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

Position	5	Field Format	an..20	Field Status	M
Field Name	<u>Pay-by Business Partner</u>				

Description The code of the Pay-by-Business Partner.

Processing outgoing
EDI Sub-System

ERP LN

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

ERP LN The code for the Pay-by Business Partner is converted using the conversion table ecedi363 and the Address Code ID, and it is mapped to ERP LN table field tfcmg506.pbbp.

Position	6	Field Format	an..6	Field Status	C
Field Name	<u>Qualifier Address Code</u>				

Description This position contains the default qualifier 1 for the Pay-by Business Partner.

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

ERP LN Use the code "ZZ" to identify the Pay-by Business Partner.

Position	7	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				

Description This position contains the standard qualifier 2 for the Pay-by Business Partner.

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

ERP LN Use the code "PBBP" to identify the Pay-by Business Partner.

Position	8	Field Format	n..14	Field Status	M
Field Name	<u>Statement Date</u>				

Description This field contains the date of the statement.

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

Transmission of the value from the message file.

ERP LN Mapping to ERP LN table field tfcmg506.std

Position	9	Field Format	an..7	Field Status	M
Field Name	<u>Data Record end sign</u>				

Description This field identifies the end of data record in the message block. It contains the constant value 'SA2_END'.

Processing outgoing

EDI Sub-System

ERP LN

Processing Incoming

EDI Sub-System

This field will be filled with the constant value 'SA2_END'.

ERP LN

None

SA3 Remittance Advice Line Data

Status: Mandatory

Frequency: Multiple by remittance advice.

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

Remittance Advice 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	I	M	an3			SA3	
2	Message Reference	I	M	an..35			ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	I	M	an..17			ecedi702.bpid	Conversion (see below)
4	Order Reference	I	M	an..17			ecedi702.msno	
5	Pay-by Business Partner		M	an..20			tfcmg501.pbbp	Code and Conversion
6	<u>Qualifier Address Code</u>		C	an..6			"ZZ"	
7	<u>Address / BP Code</u>		C	an..6			"PBBP"	
8	Transaction Type		M	an..3			tfcmg501.ttyp	
9	Document (Invoice) Number		M	an..15			tfcmg501.ninv	
10	Document Date		C	n..14			tfcmg501.docd	
11	Transaction Date		C	n..14			tfcmg501.trnd	
12	Reference		C	an..35			tfcmg501.pref	
13	Descriptions		C	an..35			tfcmg501.desc	

Remittance Advice In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
14	Bank Account	C	an..25		tfcmg501.bano
15	Name	C	an..35		tfcmg501.nama
16	Currency/Rate	M	an3		tfcmg501.ccur
17	Transaction amount	M	n..13		tfcmg501.amnt
18	Data record end sign	M	an7		SA3_END

Detailed description: Remittance advice
 Type of data record: SA3 Line Data

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

Description This field identifies the Type of data record in the message block. It contains the constant value 'SA3'.

Processing outgoing
 EDI Sub-System

ERP LN

Processing Incoming
 EDI Sub-System

This field will be filled with the constant value 'SA3'.

ERP LN

None

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

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

Processing Incoming
 EDI Sub-System

The EDI Sub-System generates this number to identify a remittance advice and writes it into all data records of a remittance advice.

ERP LN

Mapping to ERP LN table field ecedi702.bano.

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

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

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

ERP LN

The identification of the sender determines the corresponding business partner (customer) and the network in the table ecedi028 'Relations by network'. This identification is mapped to the ERP LN table field ecedi702.bpid.

Position	4	Field Format	an..17	Field Status	M
Field Name	<u>Order Reference</u>		Key field IN		

Description This field contains the order reference.

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to ERP LN table field ecedi702.msno.

Position	7	Field Format	an..6	Field Status	C
Field Name	<u>Address / BP Code</u>				

Description This position contains the standard qualifier 2 for the Pay-by Business Partner.

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

ERP LN

Use the code "PBBP" to identify the Pay-by Business Partner.

Position	8	Field Format	an..8	Field Status	M
Field Name	<u>Transaction Type</u>				

Description This field contains the Transaction Type.

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to ERP LN table field tcmg501.ttyp

Position	9	Field Format	n..14	Field Status	M
Field Name	<u>Document Number</u>				

Description This field contains the original invoice number.

Processing outgoing
EDI Sub-System

ERP LN

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

ERP LN Mapping to ERP LN table field tfcmg501.ninv

Position	10	Field Format	n..14	Field Status	C
Field Name	<u>Document Date (Invoice)</u>				

Description This field contains the date of the invoice.

Processing outgoing
EDI Sub-System

ERP LN

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

ERP LN Mapping to ERP LN table field tfcmg501.docd

Position	11	Field Format	n..14	Field Status	C
Field Name	<u>Transaction Date</u>				

Description This field contains the date of the transaction (payment).

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to ERP LN table field tfcmg501.trnd

Position	12	Field Format	an..35	Field Status	C
Field Name	<u>Reference</u>				

Description This field contains reference information to the payment.

Processing outgoing
EDI Sub-System

ERP LN

Processing Incoming
EDI Sub-System

Transmission of the value from the message file.

ERP LN

Mapping to ERP LN table field tfcmg501.pref

Position	13	Field Format	an..35	Field Status	C
Field Name	<u>Description</u>				
Description	This field contains the description to the code number.				
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to ERP LN table field tfcmg501.desc				

Position	14	Field Format	an..25	Field Status	C
Field Name	<u>Bank Account</u>				
Description	This field contains the bank account number				
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to ERP LN table field tfcmg501.bano				

Position	15	Field Format	an..35	Field Status	C
Field Name	<u>Name</u>				

Description This field contains the name of the bank.

Processing outgoing
EDI Sub-System

ERP LN

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

ERP LN Mapping to ERP LN table field tfcmg501.nama

Position	16	Field Format	an3	Field Status	M
Field Name	<u>Currency/Rate</u>				

Description This field contains the currency/rate code linked to this transaction type.

Processing outgoing
EDI Sub-System

ERP LN

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

ERP LN Mapping to ERP LN table field tfcmg501.ccur

Position	17	Field Format	n..13	Field Status	M
Field Name	<u>Transaction Amount</u>				
Description	This field contains the amount of the transaction in currency of pos. 16 .				
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System	Transmission of the value from the message file.				
ERP LN	Mapping to the ERP LN table field tfcmg501.amnt.				

Position	18	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					
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA3_END'.				
ERP LN	None				

Chapter 3 Definitions, Acronyms, and Abbreviations

3

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

Appendix A Sample File

A

Example Incoming message

```
"SA1|"BS0808060000000000000000000004|"BS|"001"|"BEMIS|"RAD001|"RAD001"||20080806110000|  
"SA1_END"
```

```
"SA2|"BS0808060000000000000000000004|"BS|"001"|"BS0000001"|||20080806|"SA2_END"
```

```
"SA3|"BS0808060000000000000000000004|"BS|"001"|"BS0000001"|||"RAD|"001"|20080806|20080806|  
"Reference|"Description|"658698798"|"ABN AMRO"|"EUR"|100|"SA3_END"
```