

## **BAAN IVb/c**

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**Structure, master data, and configuration of  
BEMIS**

**A publication of:**

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Printed in the Netherlands

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**Document Information**

Code: U7110C US  
Group: User Documentation  
Edition: C  
Date: October 1998

# Table of contents

<b>1 Introduction: concept and structure of BEMIS</b>	<b>1-1</b>
<b>2 Master data in BEMIS</b>	<b>2-1</b>
Fundamental EDI parameters	2-2
Organization	2-3
Changing the Date Format	2-4
Networks	2-6
Messages	2-10
Messages by organization	2-12
EDI relations	2-13
Business partner by network	2-14
Messages by business partner	2-19
Generation of outgoing messages	2-21
<b>3 Conversion settings</b>	<b>3-1</b>
General information	3-1
<b>4 Code tables and conversion tables</b>	<b>4-1</b>
General information	4-1
Terms of Delivery (outgoing)	4-7
Countries (outgoing)	4-8
Units (incoming/outgoing)	4-9
Item Groups (Item Codes) (incoming/outgoing)	4-11
Address types (outgoing)	4-14
Address Code IDs (incoming/outgoing)	4-15
Order Types (outgoing)	4-16
Purchase Contract Codes (incoming)	4-17
Requirement Types (incoming/outgoing)	4-18
Requirement frequencies (incoming/outgoing)	4-19
Release Date (incoming/outgoing)	4-20
<b>5 Evaluation expressions</b>	<b>5-1</b>
Application of evaluation expressions	5-1
Maintenance of evaluation expressions	5-1
<b>6 Import and export of the defaults.edi file</b>	<b>6-1</b>
Starting position	6-1
Export of EDI data	6-2
Import of EDI data	6-4

<b>7 Interface</b>	<b>7-1</b>
Overview network directories	7-2
Default communication over the semaphores	7-3
Extension of the default communication	7-4
<b>8 Glossary of terms and abbreviations</b>	<b>8-1</b>

# About this document

This documentation provides an overview over the BAAN Electronic Message Interchange System (BEMIS). It describes the positioning, structure and working method, as well as the requirements for the correct operation. Furthermore, the necessary data settings, which support the correct configuration of BEMIS are described in detail.

This document is intended for everyone who wants to use the advantages of the EDI functionality in connection with the BAAN IV Supply Chain solution, as well as for every consultant who implements such a solution.

This documentation does not contain a detailed or complete description of the whole EDI functionality in BAAN, but is limited to the aspects concerning BEMIS. For further details about EDI, see the EDI Users' Guide (U7041C US). Users' Guides are also available for each of the specific file types supported by BEMIS (for example, invoice, shipping schedule). Important fields are identified with both the English and German terms, to assist German-language speakers using this documentation.

After the Introduction, this Users' Guide is divided into seven chapters:

- Chapter 1 describes the structure of BEMIS and its functioning as interface between the EDI subsystem and the BAAN IV ERP-System. It contains definitions of the individual BEMIS components and their functions.
- Chapter 2 describes the master data settings which are necessary for the correct functioning of BEMIS.
- Chapter 3 describes the conversion settings which are necessary for the correct functioning of BEMIS.
- Chapter 4 describes the code and conversion tables which are necessary for the correct functioning of BEMIS.
- Chapter 5 contains information about the used evaluation expressions.
- Chapter 6 describes the import and export of the defaults.edi file.
- Chapter 7 describes the interface between the EDI subsystem and BAAN IV.

A glossary of terms and abbreviations is provided at the end of the book.



# 1 Introduction: concept and structure of BEMIS

Currently the VDA standard is used in Germany for electronic data interchange in the automobile industry. In contrast to that, the standard ODETTE is used in other European countries and ANSI X.12 is used in the United States. Each standard is distinguished from the others by different transmission formats and data interpretation.

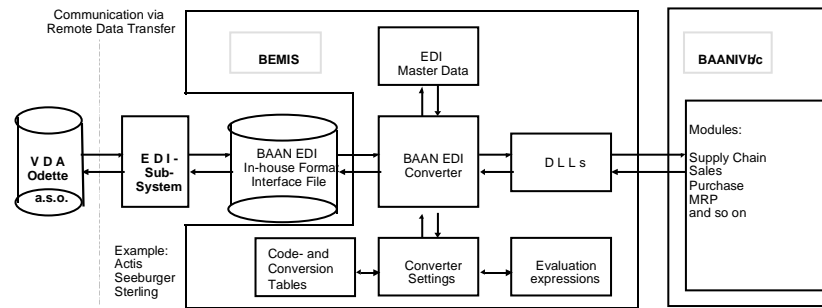
The BAAN Electronic Message Interchange System (BEMIS) has been developed as fixed interface to the 'outside world of EDI' to ensure a consistent processing of the different standards from the side of the BAAN ERP-System.

Therefore, BEMIS provides the following advantages for BAAN:

- Independence from which EDI standard is used
- Process security when using another EDI standard
- Reduction of necessity for development by concentrating on one internal standard and for suppliers of EDI subsystems
- Possibility to estimate the necessary efforts for the acquisition to BAAN IV
- Reduction of development scope through defined interface

The diagram on the following page shows the areas, in which BEMIS can be used in the EDI communication chain. Between the EDI subsystems, messages are transmitted with a certain standard (for example, VDA, ODETTE) using remote data transmission. The communication between the EDI subsystem and BAAN IV is carried out via BEMIS.

BEMIS consists of several components to carry out its task in a flexible and correct way, as is shown in Figure 1.



**Figure 1, BEMIS components**

The individual components have the following functions:

- **BAAN EDI in-house **format interface** file**  
 The BAAN EDI in-house **format interface** file serves as interface to the EDI subsystem. A defined format is available for incoming and outgoing messages for every message type supported. For incoming messages, the EDI subsystem creates from the received file an interface file with the agreed format. For outgoing messages, BAAN IV creates from BAAN data an interface file with this format, which the EDI subsystem will process, convert into a transmission file, and transmit.
- **BAAN EDI Converter**
  - **Outgoing:** The EDI Converter creates from BAAN data (for example, schedules, purchase contracts) an interface file with the appropriate format for the message type required.
  - **Incoming:** The EDI Converter creates from the interface file the appropriate data (for example, schedules, invoices), in the appropriate format, which will then be processed in the BAAN modules.
- **EDI Master Data**  
 The EDI Master Data provide fundamental information about the functionality and operational capacity of the system concerning the network used, messages supported and communication partners involved.



- **Converter Settings**  
The converter settings contain the instructions for the BAAN EDI Converter, including the format of the interface file by message type and transmission direction. These settings define for incoming messages how and where the information of the interface file will be stored in BAAN IV. For outgoing messages, they define how and which BAAN data will be written to the interface file.
- **Code Tables and Converter Tables**  
The code and conversion tables define which data have to be converted by the EDI Converter for processing. That way, customer or supplier data (for example, item numbers, item codes, quantity units) can be converted to BAAN internal data and the other way round. The converter settings determine when these settings are valid.
- **Evaluation expressions**  
The evaluation expressions define the conditions under which the EDI Converter carries out certain actions. The converter settings determine when these settings are valid.
- **Dynamic Link Libraries (DLLs)**  
Dynamic Link Libraries, which the EDI Converter uses at lead time to carry out certain actions, are available for every supported message type, by transmission direction. They can be adapted to the application as required.

Structure, master data, and configuration of BEMIS

1-4

## 2 Master data in BEMIS

The following parameters and master data have to be defined, entered and possibly maintained to be able to use the BAAN Electronic Message Interchange System and to ensure its functioning:

- Organizations
- Networks
- Messages
- EDI Business Partner
- Code Tables and Conversion Tables

The following sections detail the steps necessary, and illustrates them with examples. The data of the examples refer to the BAAN internal EDI subsystem BEMIS. This system has been developed to become independent of the various EDI organizations/standards, which are currently used in the automobile industry. When you set up your system, you should use the values given in the examples, or only make changes if you are certain what the effect will be.

## Fundamental EDI parameters

This session defines the fundamental parameters for the BAAN EDI module.

```
tcedi0100m000          first          single-occ (1)      Form 1-2 >
```

Maintain EDI Parameters		Company: 500
EDI Implemented	: Yes	
Standard Path	: /auto3/baanIVb/edi/bemis/	
Make Use of Tracefil	: Yes	
Name of Tracefile	: trace	
Our Identification	: F500	
Store All Received Messages	: Yes	
Store All Sent Messages	: Yes	
Reference Number		
Fixed Part	: F500-	
Date Format	: Without Century (YYMMDD)	
First Free Number	: 1	
Action on First Message on New Date : Start with 1		
Suppress Blank Text Line on Generation : Yes		
Suppress Blank Generated Text Fields : Yes		
Interchange Message :		
Interchange Header Conversion Setup :		
Message Overhead Conversion Setup :		
		Choice: ..

Some of them can be redefined in other sessions.

---

EDI Implemented	This field has to be set to 'Yes' and the BAAN EDI module has to be installed.
Standard Path	This Unix directory, where the messages and control files will be stored, is used for the communication between BEMIS and the EDI-subsystem.
Make use of Tracefile	When processing messages, all actions will be recorded in a sub-directory ('Tracefile') of the 'Standard Path'.
Our Identification	This field contains the network identification of the transmitter, which is enclosed in outgoing messages. (The encoded number of the company from which the messages were generated is usually enclosed as well).
Reference Number	The message reference for outgoing messages will be generated on the basis of the subsequent 4 fields. The message reference consists of 14 characters and contains the fixed part/date/serial number.
Fixed Part	This is the fixed part of the message reference.
Date Format	Different date formats (for example, with or without century) can be selected in this field. The selected format can then be used for the date in the reference number.
First free number	The serial number will be increased from this number.
Action on First Message on New Date	For every new date the serial number will be set back to 1.

---

## Organization

In BEMIS, the organizations are used as common standard for the data transmission. These standards are for example VDA in Germany (automobile industry) or ODETTE in Europe.

BEMIS itself does not use these standards but a BAAN internal organization/standard BEM, which is able to support VDA and ODETTE messages.

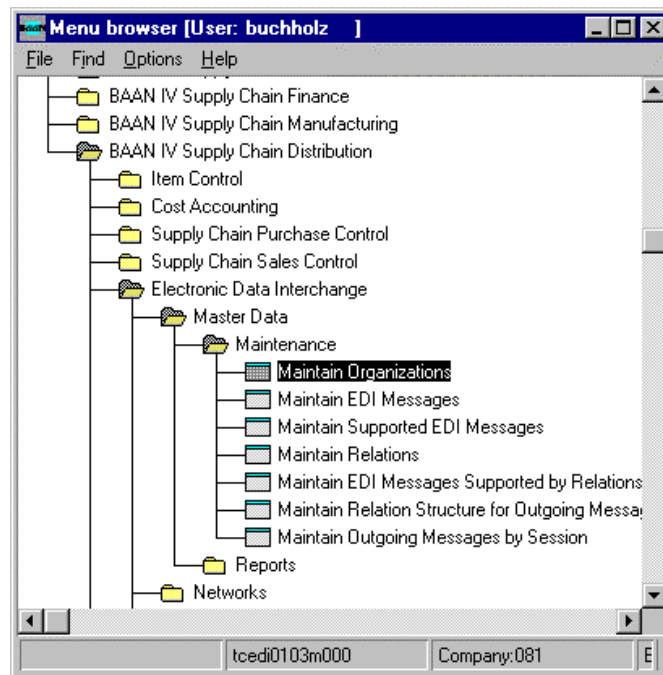
The organization BEM has to be entered in the BAAN session tcedi0103m000.

## Changing the Date Format

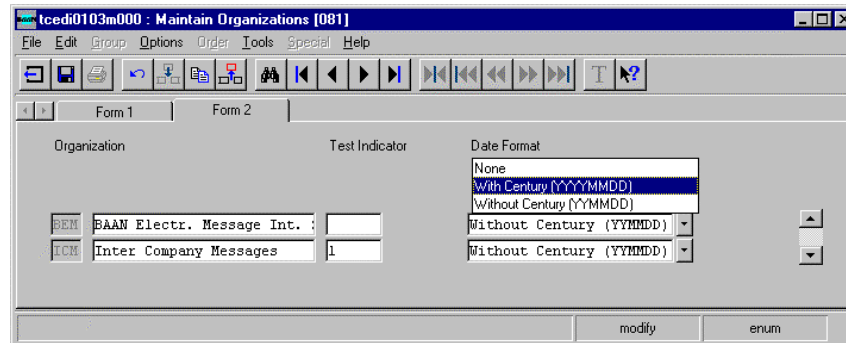
For the BAAN Versions b and c2/3 we have defined a date format using up to 6 numerical digits. Reading this definition, you will find out that the date format has been changed to 8 digits at maximum. With the BAAN Version BAAN IVC4 the delivered BEMIS default file the defaults.edi will be different in this point (in comparison to the versions delivered before). In BAAN EDI there is one global Parameter in order to send out date information including the two digits for the century.

The enclosed screen shots will show you where you will find the responsible parameter.

You have to choose the following menu option:



After you called the session tcedi0103m000 you will see that the entry for the dateformat on form two has been changed to “With Century (YYYYMMDD)”.



Organization	Test Indicator	Date Format
BEM	BAAN Electr. Message Int. :	Without Century (YYMMDD)
ICM	Inter Company Messages	1

**PLEASE NOTICE:** If you use this option above the date format of every exported message will be changed to 8 digits! This means that the partner system (the translator software) has to be able to translate each outgoing message coming with the changed date format!

## Networks

tcedi0103m000

multi-occ (2)

Form 1-2 >

Maintain Organizations					Company: 500
<u>Organization</u>	Code in Message	Derived -	Association Assigned	Root- Org.	
BEM BAAN ELECT. MESSAGE INTERCH.	BEMIS	No			
					Choice: ..

tcedi0103m000

multi-occ (2)

< Form 2-2

Maintain Organizations					Company: 500
<u>Organization</u>	Test Indicator	Date Format			
BEM BAAN ELECT. MESSAGE INTERCH.		Without Century (YYMMDD)			
					Choice: ..

The fundamental communication parameters (for example, stacker directories, structure of the message files, date formats, separators, and special characters within the message files) are defined in the network settings.



The network used for the communication has to be entered in the BAAN session tcedi0120m000. It is advisable to define a network for every message type.

```
tcedi0120m000                                single-occ (1)      Form 1-2 >
```

Maintain Networks	Company: 500
<u>Network</u>	: ABRUF
Description	: ABRUF-Communication
Path	: /auto3/baanIVb/edi/bemis/schedule/
Our Identification	: F500
Multicompany	: No
Start Read Batch	
After Generating	: No
General Reference	: No
Fixed Part	: F500
Date Format	: Without Century (YYMMDD)
First Free Number	: 3
Action on New Date	: Start with 1
	Choice: ..

---

Path	This Unix directory, where the messages and control files will be stored, is used for the communication between BEMIS and the EDI-subsystem.
Our Identification	This field contains the network identification of the transmitter, which is enclosed in outgoing messages. (The encoded number of the company from which the messages were generated is usually enclosed as well).
General Reference	The message reference for outgoing messages will be generated on the basis of the subsequent 4 fields. The message reference consists of 14 characters and contains the fixed part/date/serial number.
Fixed Part	The BAAN company number has to be entered into this field as fixed part of the general reference.
First Free Number	The serial number will be increased from this number.
Action on New Date	For every new date the serial number will be set back to 1

---

Example: On the basis of the above information, the message reference number for outgoing messages will be: F5009705200003. The first message reference number for the next day would be: F5009705210001.

The important information about the record format is entered in the second form:

```
tcedi0120m000                                single-occ (1)    < Form 2-2
```

Maintain networks	Company: 500		
<hr/>			
<u>Network</u>	: ABRUF ABRUF -Communication		
Record Separator	: LF		
Field type	: Delimited		
Separator Sign	: ;	Sign Around Strings	: "
Replacement Sign	:	Replacement Sign	: '
Leading Zeroes	: No		
Suppress Standard Communication	: No		
Generate Outgoing Messages before Connection	: Yes		
		Choice:	.

<b>Record Separator</b>	<b>LF (LineFeed) indicates the end of a record.</b>
Field type	The individual fields in the records do not consist of a certain number of characters, but are separated by separators.
Separator Sign	The fields are separated by a semicolon (;)
Sign Around Strings	Strings have to be put in inverted commas (" ").
Leading Zeroes	Fields are not to be filled up with leading zeroes, as the field type is delimited.
Suppress Standard Communication	The standard communication procedure between BEMIS and the external EDI subsystem is activated.

Examples:	....;"ABCDEFGG";.....	string ABCDEFG
	....;"",.....	empty string
	....;" ";.....	string with one blank
	....;199;.....	number 199
	....;"199";....	string 199
	....;.....	Field will not be read or filled.

Date fields will be transmitted as strings.

## Messages

You must define the messages processed by BEMIS in the BAAN session tcedi0105m000.

In that session you can also define message-specific sessions (DLLs), which have to be executed to process such a message. The general message ABRUF must have been defined when processing schedules in the BAAN EDI standard in-house format.

```
tcedi0105m000                                single-occ (1)          Form 1-1
```

Maintain EDI Messages	Company: 081
<p><u>EDI Message</u> : ABRUF</p> <p>Description : Sales schedule</p> <p>Message Type : Non-EDIFACT</p> <p>Library Incoming : otdsscd114905 Receive Sales Schedules - VD</p> <p>Library Outgoing : otdpscd114281 Generate Purchase Schedule</p> <p>-----Incoming Message Data-----</p> <p>Processing Type : Automatic</p> <p>File Layout : Single</p> <p>Level Identification Position : 1</p> <p>Level Identification Length : 3</p> <p style="text-align: right;">Choice: .</p>	

---

Library for incoming/outgoing messages	The sessions used for the processing of messages will be recorded in this field. They are adapted to BEMIS and every message type.
Processing type (in)	The system checks incoming EDI messages and processes the messages without error.
File Layout	All record types of one message are transmitted in one file (single).
Level Identification Position	The first part of the record is the identification of the record type.
Level Identification Length	The identification of the record type consists of three characters  In BEMIS the identification of the record type is by default "SAX", with x = 1,2,3,... representing the level of the record type (1 = highest level).

---

## Messages by organization

Following the definition of the organization (that is, system) and the messages, you define which messages are supported, in which direction they are supported, and which organization they are supported for.

You can also use this session to determine the code for the message in the message file (field code in message).

tcedi0101m000      first      multi/view (3)      Form 1-1

---

Maintain Supported EDI Messages Company: 500

---

Organization : BEM BAAN ELECT. MESSAGE INTERCH. SYS

<u>EDI Message</u>	<u>Direction</u>	Active	Code in Message	Description
ABRUF	In	Yes	LAB_IO	BEMIS Incoming
ABRUF	Out	Yes	LAB_IO	BEMIS Outgoing

Choice: ..

---

Active	The corresponding message is activated in this organization. The processing/generation will be carried out when this field is set to 'Yes'.
Code in Message	This code identifies the message type in the message file.

---

## EDI relations

The EDI relation is the business partner with which you exchange messages by means of the EDI module. It can be a customer or supplier.

In the BAAN session tcedi0110m000, the EDI relations will be maintained and assigned to the BAAN internal supplier or customer by entering the corresponding customer/supplier number.

In this way a 1:1 relationship between the EDI relation and the BAAN supplier/customer is established.

```
tcedi0110m000      update                      single-occ (1)      Form 1-1
```

Maintain relations	Company: 500
Relation	: 987123
Description	: Bayerische Motorenwerke AG
Customer	: 987123 Bayerische Motorenwerke AG
Supplier	:
Network	:
Incrementing Reference Numbers:	No
Check Duplicate Order Numbers	: No
	Choice: .

**NOTE** For a better overview and a clear assignment you should use the alphanumerical supplier or customer code consisting of 6 characters as code for the business partner.





**NOTE****Network Address**

- BAAN creates by business partner (customer or supplier) and message type one network address, which is identified by identification and path. This network address has to be unique.
- The EDI subsystem has to store an incoming message file from the business partner with the agreed file name under the corresponding path of the business partner and message type. The identification of the network address has to be written to the record type SA1 in position 3.
- For the identification of contracts, you can determine in BAAN additional business partners, for example the ship-to business partner, on the basis of the message contents (plant/final delivery location).

The data of the networks and business partner identifications have to be settled amongst the EDI subsystem and BAAN on the basis of the business partner relationship.

**NOTE** Network address not defined in incoming message

It is possible that the network address is not defined. In this case the transmitter sends messages with his identification to several different business partners. Usually it is possible to determine a clear network address when converting the incoming message from the transmitter/receiver information and/or from the combination of message-specific information already before the conversion of the BEMIS message standard.

With the appropriate configuration of BEMIS it is also possible to convert the ship-from business partner into the target business partner by using the code and conversion table below with regard to a corresponding significant field.

```
tcedi3128m000      last      multi/group (3)      Form 1-1
```

Maintain Conversion of Third Party Codes by Relation (in)		Company: 081
<u>Relation</u>	: 005522	OPEL
<u>Organization</u>	: BEM	BAAN Electr. Message Int. Sys.
<u>Address Code ID</u>	: DP	Ship-from BP address
<u>Code in Message</u>	Third Party Relation	Description
001	005523	Opel Rüsselsheim
002	005524	Opel Bochum
		Choice: .

To activate the conversion table, you must maintain the corresponding BEMIS table. Copy the existing standard conversion.

Example: Incoming EDI message **ABRUF**:

tcedi5111s000 multi/group (3) Form 1-3 >

Maintain Definitions of Conversion Setups

Organization : BEM BAAN Electr. Message Int. Sys. Direction : In  
EDI Message : ABRUF Lieferabrufe Field Type : Delimited  
Destination : Conversion Setup : ABRUF1 Stand 26.9.97 Version 1.0.a

<u>Field</u>	<u>Seq</u>	<u>Seq. Level</u>	<u>Start Index</u>	<u>Length</u>	<u>Next Sequence</u>	<u>Write</u>	<u>Conv.</u>	<u>Field</u>	<u>Action on</u>	<u>Code Table</u>
<u>No.</u>		<u>Pos.</u>			<u>Rec. Iter</u>	<u>Key Record</u>		<u>Action</u>	<u>Conv err</u>	
tdssc002.cuno	1	5	2	3->4	0	0	Yes	0	0	Yes Update Give Error Mess
tdssc002.cdel	1	10	2	4	0	0		0	0	Yes Update Give Error Mess
tdssc002.item	1	15	2	5	0	0		0	0	Yes Update Give Error Mess
"Q-ID:Adr.art"	1	20	2	6	0	0		0	0	Update
"Q-ID:Lief.adr"	1	25	2	7	0	0		0	0	Update
"Q-ID:Artikel"	1	30	2	8	0	0		0	0	Update
tdssc002.plnt	1	35	2	9	0	0		0	0	Update
tdssc002.scnn	1	40	2	10	0	0		0	0	Update
tdssc002.isdt	1	45	2	11	0	0		0	0	Update
tdssc002.scno	1	50	2	12	0	0		0	0	Update

Choice: .

tcedi5111s000 multi/group (3) < Form 2-3 >

Maintain Definitions of Conversion Setups

Organization : BEM BAAN Electr. Message Int. Sys. Direction : In  
EDI Message : ABRUF Lieferabrufe Field Type : Delimited  
Destination : Conversion Setup : ABRUF1 Stand 26.9.97 Version 1.0.a

Field	Value if empty field Description on				Qualifier 1			
	Qualifier 2	Pos	Length	No Conversion Default	Pos	Length	No Conversion Default	
Text Field								
tdssc002.cuno		0->6	0		->DP	0	0	
tdssc002.cdel		6	0		DP	7	0	ZZ
tdssc002.item		8	0		SA	0	0	
"Q-ID:Adr.art"		0	0			0	0	
"Q-ID:Lief.adr"		0	0			0	0	
"Q-ID:Artikel"		0	0			0	0	
tdssc002.plnt		0	0			0	0	
tdssc002.scnn		0	0			0	0	
tdssc002.isdt		0	0			0	0	
tdssc002.scno		0	0			0	0	

Choice: .



Type of Number	For incoming messages, the number will be determined on the basis of the indicated type of number and the series on form 2-2 (next page).
Print	Outgoing EDI messages will usually be created by a print session. If No is entered in this field, the messages are created but not printed.
Incoming Message Processing Type	The system automatically checks and processes incoming messages while reading the message file.

tcedi0111m000

single-occ (1)

Form 2-2 >

Maintain EDI Messages Supported by Relations	Company: 500
<hr/>	
<u>Relation</u>	: 987123 Bayerische Motorenwerke AG
<u>Organization</u>	: BEMIS
<u>EDI Message</u>	: ABRUF Lieferabrufe
<u>Direction</u>	: In
<u>Order Type</u>	:
Character Conversion:	
SLS Order Type	:
Order Procedure	:
Series	:
Item Code System	:
Choice: ..	

## Generation of outgoing messages

The generation of outgoing messages in BAAN IV is usually prepared with print sessions. After having started the print job, a message is prepared for the EDI module. The reference number indicating the outgoing message which has to be created will be stored in the table tcedi700. Based upon this reference, BEMIS automatically or interactively creates the actual message. These sessions are already programmed in the appropriate way. For example for:

- Message                      Session
- Schedule                    tdpsc0402m000 Print Purchase Schedules
- Delivery Schedule        tdpsc0429m000 Print Delivery Schedules

The BAAN session tcedi0115m000 Maintain outgoing messages by session defines which message has to be prepared for which organization in the appropriate print session.

The corresponding organization and message have to be entered to prepare the generation of schedule messages via the session tdpsc0402m000 'Print Purchase Schedules'. These entries are necessary for the generation of outgoing schedules.

```
tcedi0115m000      first                               multi/view (3)      Form 1-1
```

Maintain Outgoing Messages by Session		Company: 500	
Session	:	tdpsc0402m000	Print Purchase Schedules
<u>Organization</u>	Description	<u>EDI Message</u>	Description
BEM	BAAN Electr. Messag	ABRUF	Lieferabrufe
			Choice: ..





## 3 Conversion settings

### General information

Receiving a message file from the business partner, the EDI subsystem creates on the basis of the incoming standard format (for example, VDA, ODETTE) a message file in accordance with the BAAN EDI Message in-house File Format. This file will be processed in BEMIS and the for this necessary actions will be executed in BAAN.

Sending an EDI message to a business partner, BEMIS creates from the BAAN data a message file in the BAAN EDI Message in-house Format, corresponding to the message type. This file will be processed in the EDI subsystem, converted to a file with a standard format (for example, VDA, ODETTE) and sent.

All these information, which BEMIS requires for the processing (incoming ) or generation (outgoing) of the BEMIS message file, are defined in the conversion settings of the BAAN EDI module by message type and message direction.

The name and general information about various record types as well as the identification, number and position of their key fields are recorded in the BAAN session tcedi5112m000.

The detailed structure of the file in connection with the links between a message file field and the corresponding BAAN table field is stored in the BAAN sessions tcedi5110m000 and tcedi5110s000. Furthermore, you will find in these sessions information about linked code and conversion tables or evaluation expressions (outgoing), which will be used for the generation or processing of the BEMIS message file.

**WARNING**

Changes of the default settings given in the following chapter will lead to malfunctioning of BEMIS.



## 4 Code tables and conversion tables

### General information

In BEMIS the code tables and conversion tables increase the flexibility of the data interchange between BAAN and the business partners.

There are two possible ways to change the contents of certain codes when generating (outgoing) or processing (incoming) messages:

- Firstly, the codes (for example, country or currency codes) can be converted using conversion tables. This procedure will be explained for country codes.

The code table **Countries**, which contains the allowed values for the country codes, will be maintained by organization. The codes in this table refer to ISO4217.

tcedi2126m000                      first    multi/view (3)                      Form 1-1

Maintain Countries		Company: 500
<u>Organization</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Message</u>	Description	
AT	Austria	
BE	Belgium	
CH	Switzerland	
DE	Germany	
		Choice: ..

A conversion table, which defines the country code to be converted, is available for both message directions (incoming/outgoing). The codes are agreed to by the EDI subsystem supplier.

tcedi3102m000                      last    multi/view (3)                      Form 1-1

Maintain Conversion of Country Codes (in)		Company: 500	
<u>Organization</u>	BEM BAAN Elect. Message Interch. Sys.		
<u>Code in Message</u>		Code in Application	Description
DE	Bundesrepublik Deutschland	004	Germany
			Choice: ..

tcedi4140m000 multi/view (3) Form 1-1

Maintain Conversion of Country Codes (out)		Company: 500
<u>Organization</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Application</u>	Code in Message	
004 Germany	DE Bundesrepublik Deutschland	
		Choice: ..

- Secondly, you can use code tables for Code IDs. These code IDs are codes in connection with date for other codes. For example, the address code ID = 'DP' means that addresses for address code with this ID are delivery addresses. Using these address code IDs, they have to be included in the corresponding message together with the address code. The item code ID will be used in the example below.

All item numbers with the item code ID 'SA' refer to supplier's item numbers.

tcedi2132m000

multi/view (3)

Form 1-1

Maintain Item Code IDs		Company: 500
<u>Organisation</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Message</u>	Description	Item Code System
SA	Supplier's Article Number	
		Choice: ..

For item group IDs it is possible to define conversion tables by business partner and organization. In the following example, the item number of the message '037 103 4475 G' will be converted into the BAAN item number '8383900' for the corresponding supplier, when the item code ID 'SA' is included in the message.

tcedi3106m000                    first    multi/view (3)                    Form 1-1

Maintain Conversion of Item Codes by Relation (in)		Company: 500	
<u>Relation</u>	: 007025	Bayerische Motorenwerke AG	
<u>Organization</u>	: BEM	BAAN Elect. Message Interch. Sys.	
<u>Item Code ID</u>	: SA	Supplier's Article Number	
<u>Code in Message</u>	Proj.	<u>Code in Appl.</u>	
037 103 475 G		8383900	Zylinderkopfha
1 092 868		5597300	Längsträger, r
1 161 962		8383000	ZB Lagerbock B
1 714 613		8395800	Ölpumpendeckel
A 601 200 17 73		8407600	Spannhebel
E39/M50 1 092 867		5597400	Längsträger, l
			Choice: .

The BEMIS converter settings define, if these tables will be used for the generation or processing of the message, by setting the conversion option to Yes when mapping the corresponding BAAN field. The following chapter provides a detailed description of the converter settings.

The settings of the code and conversion tables of course depend on the requisitions of the business partners and the capacity of the used EDI subsystem. Therefore, on the next pages only the default settings for the correct processing of the BEMIS in-house data formats will be described.

The following conversions will be described:

- Terms of delivery (outgoing)
- Countries (outgoing)
- Units (incoming/outgoing)
- Item groups (Item Codes) (incoming/outgoing)
- Address types (outgoing)
- Address code IDs (incoming/outgoing)
- Order types (outgoing)
- Purchase contract Codes (incoming)
- Requirement types (incoming/outgoing)
- Requirement frequencies (incoming/outgoing)
- Release date (incoming/outgoing)

**WARNING**

Changes of the following default settings will lead to malfunctioning of BEMIS.



## Terms of Delivery (outgoing)

tcedi2128m000

multi/view (3)

Form 1-1

Maintain Terms of Delivery		Company: 500
<u>Organization</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Message</u>	Description	
01	unfrei	
02	frei Bestimmungsort	
03	frei Haus	
04	frei deutsche Grenze	
05	frei Empfangsspediteur	
99	Sonderfrankatur(indv.Vereinb.)	
		Choice: ..

tcedi4130m000

multi/view (3)

Form 1-1

Maintain Conversion of Terms of Delivery Codes (out)		Company: 500
<u>Organization</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Application</u>	<u>Code in Message</u>	
01 ab Werk, auschl. Verp. u. T.V.	01	unfrei
02 frei Haus, ausschl. Verp.u.TV	03	frei Haus
03 frei Werk,einschl.Verp.a.T.V.	02	frei Bestimmungsort
04 f.o.B.	05	frei Empfangsspediteur
07 frei Empfangsstation	02	frei Bestimmungsort
08 frei Anschlußgleis	02	frei Bestimmungsort
09 frei deutsche Grenze	04	frei deutsche Grenze
		Choice: ..

Structure, master data, and configuration of BEMIS

## Countries (outgoing)

tcedi2126m000

first

multi/view (3)

Form 1-1

Maintain Countries		Company: 500
<u>Organization</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Message</u>	Description	
AT	Austria	
BE	Belgium	
CH	Switzerland	
DE	Bundesrepublik Deutschland	
DK	Denmark	
ES	Spain	
FI	Finland	
FR	France	
GB	United Kingdom	
GR	Greece	
		Choice: ..

**NOTE**

The codes in this table refer to ISO4217.

tcedi4140m000

multi/view (3)

Form 1-1

Maintain Conversion of Country Codes (out)		Company: 500
<u>Organization</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Application</u>		Code in Message
004 Germany	DE	Bundesrepublik Deutschland
		Choice: ..

## Units (incoming/outgoing)

tcedi2130m000

first

multi/view (3)

Form 1-1

Maintain Units		Company: 500
<u>Organisation</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Message</u>	Description	
KGM	Kilogramm	
KMT	Kilometer	
CMQ	Liter	
MTR	Meter	
MTK	Quadratmeter	
MTQ	Kubikmeter	
PCE	Stück	
TON	Tonne	
		Choice: ..

The in the session above recorded quantity units are taken from the standard ODETTE ODDC25. They are agreed to the EDI subsystem supplier. The conversion into the units being used in BAAN will be carried out in the following session.

tcedi3104m000

multi/view (3)

Form 1-1

Maintain Conversion of Unit Codes (in)		Company: 500	
<u>Organization</u> BEM BAAN Elect. Message Interch. Sys.			
<u>Code in Message</u>		<u>Code in Application</u>	
KGM	Kilogramm	kg	Kilogramm
MTR	Meter	m	Meter
PCE	Stück	st	Stück
Choice: ..			

tcedi4142m000

multi/view (3)

Form 1-1

Maintain Conversion of Unit Codes (out)		Company: 500
<u>Organization</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Application</u>	Code in Message	
st Stück	PCE	Stück
		Choice: ..

## Item Groups (Item Codes) (incoming/outgoing)

tcedi2132m000

first

multi/view (3)

Form 1-1

Maintain Item Code IDs		Company: 500
<u>Organization</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Message</u>	Description	Item Code System
SA	Supplier's Article Number	
		Choice: ..

tcedi3106m000

multi/view (3)

Form 1-1

Maintain Conversion of Item Codes by Relation (in)		Company: 500	
<u>Relation</u>	: 007025	Bayerische Motorenwerke AG	
<u>Organization</u>	: BEM	BAAN Elect. Message Interch. Sys.	
<u>Item Code ID</u>	: SA	Supplier's Article Number	
<u>Code in Message</u>	Proj.	Code in Appl.	
037 103 475 G		8383900	Zylinderkopfha
1 092 868		5597300	Längsträger, r
1 161 962		8383000	ZB Lagerbock B
1 714 613		8395800	Ölpumpendeckel
823478476		8383900	Zylinderkopfha
8383000		8383000	ZB Lagerbock B
A 601 200 17 73		8407600	Spannhebel
E39/M50 1 092 867		5597400	Längsträger, l
			Choice: .

tcedi4144m000

last

multi/view (3)

Form 1-1

Maintain Conversion of Item Codes by Relation (out)		Company: 500
<u>Relation</u>	:	
<u>Organization</u>	:	
<u>Project</u>	:	
<u>Code in Appl.</u>		Item Code in Message C. ID
		Choice: .

**NOTE**

If conversions need to be carried out as well for outgoing messages, they will have to be entered in the session above.

## Address types (outgoing)

tcedi2124m000

multi/view (3)

Form 1-1

Maintain Address Types		Company: 500
<u>Organization</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Message</u>	Description	
ZZ	Delivery Address	
		Choice: ..

tcedi4134m000

last

multi/view (3)

Form 1-1

Maintain Conversion of Address Types (out)		Company: 500
<u>Organization</u>	BEM BAAN Elect. Message Interch. Sys.	
<u>Code in Application</u>	Code in Message	
		Choice: ..

**NOTE**

If conversions need to be carried out as well for outgoing messages, they will have to be entered in the session above.





## Order Types (outgoing)

tcedi2100m000

multi/view (3)

Form 1-1

Maintain Order Types				Company: 500
<u>Organization</u> BEM    BAAN Elect. Message Interch. Sys.				
<u>EDI</u>	Description	<u>Code in Message</u>	Description	
<u>Message</u>				
ABRUF	Lieferabrufe		Normal Order	
				Choice: ..

tcedi4132m000

multi/view (3)

Form 1-1

Maintain Conversion of Order Types (out)				Company: 500
<u>Organization</u> :    BEM    BAAN Elect. Message Interch. Sys.				
<u>Message</u> :    ABRUF    Lieferabrufe				
<u>Code in Application</u>		Code in Message		
PJ1	SCH Standard purchase			
				Choice: ..

**NOTE:** No outgoing message will be prepared while printing the schedules, if the above displayed data are not entered in the session.

## Purchase Contract Codes (incoming)

tcedi3115m000

last

multi/view (3)

Form 1-1

Maintain Conversion of Purchase Contract Codes by Rel. (in) Company: 500

Relation : 005122 HOESCH GIESSEREI

Code in Message Code in Appl. Description

AAA 100001 Metall-Rahmenvertrag

Choice: ..

## Requirement Types (incoming/outgoing)

tcedi4181m000

multi/view (3)

Form 1-1

Maintain Conversion of Requirement Type (in)		Company: 500
<u>Org.</u>	:	BEM BAAN Electr. Message Int. Sys.
<u>Relation</u>	:	987123 BMW Bayerische Motorenwerke
<u>Code in Messg</u>		Code in Appl.
1		Immediate
2		Released
3		Planned
4		Forecast
		Choice: .

tcedi4180m000

find

alphanum./zoom multi/view (3)

Form 1-1

Maintain Conversion of Requirement Type (out)		Company: 500
<u>Org.</u>	:	BEM BAAN Electr. Message Int. Sys.
<u>Relation</u>	:	987123 BMW Bayerische Motorenwerke
<u>Code in Appl.</u>		Code in Messg
		Choice:

**NOTE:** The corresponding conversions for outgoing messages have to be entered in the session above when required.

**Structure, master data, and configuration of BEMIS**

4-18

## Requirement frequencies (incoming/outgoing)

tcedi4183m000

multi/view (3)

Form 1-1

Maintain Conversion of Requirement Frequency (in)		Company: 500
<u>Org.</u>	: BEM	BAAN Electr. Message Int. Sys.
<u>Relation</u>	: 987123	BMW Bayerische Motorenwerke
<u>Code in Messg</u>	Code in Appl.	
1	Daily	
2	Weekly	
3	Monthly	
		Choice: .

tcedi4182m000

find

alphanum./zoom multi/view (3)

Form 1-1

Maintain Conversion of Requirement Frequency (out)		Company: 500
<u>Org.</u>	: BEM	BAAN Electr. Message Int. Sys.
<u>Relation</u>	: 987123	BMW Bayerische Motorenwerke
<u>Code in Appl.</u>	Code in Messg	
		Choice:

**NOTE:** The corresponding conversions for outgoing messages have to be entered in the session above when required.

## Release Date (incoming/outgoing)

tcedi4185m000

multi/view (3)

Form 1-1

Maintain Conversion of Release Date Type (in)		Firma: 500
<u>Organization:</u> BEM    BAAN Electr. Message Int. Sys. <u>Relation</u> : 987123    BMW Bayerische Motorenwerke		
<u>Code in Messg</u> Code in Appl.		
1	Delivery	
2	Shipment	
		Choice: .

tcedi4184m000

find

alphanum./zoom multi/view (3)

Form 1-1

Maintain Conversion of Release Date Type (out)		Company: 500
<u>Organization:</u> BEM    BAAN Electr. Message Int. Sys. <u>Relation</u> : 987123    BMW Bayerische Motorenwerke		
<u>Code in Appl.</u> Code in Messg		
		Choice:

**NOTE**

The corresponding conversions for outgoing messages have to be entered in the session above when required.

## **5 Evaluation expressions**

### **Application of evaluation expressions**

For the generation of outgoing messages it is possible to use evaluation expressions in the conversion settings. In this way a condition is linked to a field which decides whether the field will be written or not. In addition the evaluation expressions can control under which conditions whole record types will be written.

### **Maintenance of evaluation expressions**

The evaluation expressions are recorded in the BAAN default text components. Importing the defaults.edi, the evaluation expressions will be entered in the current BAAN language version. For example, if the current language of the importing user is 'German' then the evaluation expressions will be imported into the German text components.

This needs to be taken into account when setting up the BAAN EDI module because otherwise the in-house format files will not be written complete.





## 6 Import and export of the defaults.edi file

### Starting position

Updates of the BAAN EDI functionality can concern the following areas:

- Sessions
- Data

Updates of the sessions will be executed with the BAAN default update procedure. On the next pages will be described how to carry out updates of EDI relevant data (for example, implementation of new messages or transmission standards, format changes of messages files). The following cases can be executed with the available export and import functionality:

- Backup of EDI basic data by export
- Recovery of EDI basic data by import
- Transmission of EDI relevant data from old into new company by export/import
- Entry of all for EDI necessary data for the empty company by import
- Entry of data updates from BAAN by import



The export includes the following EDI tables:

<b>BAAN table</b>	<b>Description</b>	<b>Selection condition</b>
tcedi003	Organization	according to selection
tcedi005	EDI Messages	according to selection
tcedi001	Supported EDI Messages	according to selected organization
tcedi015	Outgoing Messages by session	according to selected messages
tcedi020	Networks	according to selection
tcedi500	Conversion Setups (Name)	according to selected organization if field set to Yes
tcedi501	Conversion Setups (Definitions)	according to selected organization if field set to Yes
tcedi502	Conversion Setups (Relationships)	according to selected organization if field set to Yes
tcedi 505	Evaluation Expressions	all, if field converter settings set to Yes
tcedi200	Order Types	According to selected organization if field set to Yes
tcedi218	Address Code IDs	According to selected organization if field set to Yes
tcedi224	Address Types	According to selected organization if field set to Yes
tcedi226	Countries	According to selected organization if field set to Yes
tcedi228	Terms of Delivery	According to selected organization if field set to Yes
tcedi230	Units	According to selected organization if field set to Yes
tcedi232	Item Code IDs	According to selected organization if field set to Yes

**NOTE**

In general, all EDI data (for example, customers, suppliers, items), which contain references to BAAN internal data, but which do not belong to the EDI module, will not be exported. These data include the conversion tables which belong to the code tables, the additional SCH conversion tables (requirement types, requirement frequencies, release date) and the business partner identification by network.

## Import of EDI data

The following procedures are possible to establish a new company with all EDI relevant data:

- Manual entry of the required data
- Import of a file with EDI basic data and manual completion of the missing data

You will find a detailed description of the previous sections.

The second method will be described in the following section. For this method there has to be an export file of an EDI basic setting, which has been created as described above.

Another condition is the definition of the EDI parameter tcedi000.

```
tcedi0100m000      first                      single-occ (1)      Form 1-2 >
```

Maintain EDI Parameters		Company: 510
EDI Implemented	: Yes	
Standard Path	: /auto3/baanIVb/edi/bemis/	
Make Use of Tracefile	: Yes	
Name of Tracefile	: trace	
Our Identification	: F500	
Store All Received Messages	: Yes	
Store All Sent Messages	: Yes	
Reference Number		
Fixed Part	: F500-	
Date Format	: Without Century (YYMMDD)	
First Free Number	: 1	
Action on First Message on New Date	: Start with 1	
Suppress Blank Text Lines on Generation: Yes		
Suppress Blank Generated Text Fields : Yes		
		Choice: ..

The file to be imported has to be stored under the name **defaults.edi** in the file path, which is defined in the field **Standard Path**.

This file will be imported into the new (empty) company in the BAAN session tcedi6222m000 Import EDI Data.

tcedi6220m000

single-occ (4)

Form 1-1

Import EDI Data	Company: 510
<p>Master Data and Code Tables will not be overwritten.</p> <p>All conversion setup data will be retrieved from the import file, Copy the conversion setups to be retained to a combination of organization and messages that is not included in the import file.</p> <p style="text-align: right;">Choice: .</p>	

When you importing data you must note the following points:

- The error message “Error opening file ‘filename’ press <return>“ appears: In this case the import file is stored in the wrong directory or has got the wrong name.
- The error messages “Default text group by user not available“ appears: In this case you need to create the corresponding text group for the importing user under BAAN Tools / Text Management / Text Parameters.
  - 1. Maintain Text Windows → create
  - 2. Maintain Text Groups → create
  - 3. Maintain Default Text Groups by User → create
- When you import, existing EDI basic data will not be overwritten. Data with already existing key fields will not be taken over, new data will be added.
- When you import, already-existing data in code tables will not be overwritten. Data records with already existing key fields will not be altered, new data will be added.

- When you import, already existing converter settings will be overwritten. To keep existing settings, copy them to another key field (organization, name) before you start the import.
- When you import, a selection is not possible. All data of a file will be imported under consideration of the above mentioned restrictions.
- If the corresponding Unix directories are not available during the import of the network data, an error messages appears on the screen. Nevertheless, the data will be imported and the directories have to be created afterwards.

The import includes the following EDI tables:

<b>BAAN table</b>	<b>Description</b>
tcedi003	Organization
tcedi005	EDI messages
tcedi001	Supported EDI messages
tcedi015	Outgoing message by session
tcedi020	Networks
tcedi500	Conversion setups (name)
tcedi501	Conversion setups (definitions)
tcedi502	Conversion setups (relationships)
tcedi 505	Evaluation expression
tcedi200	Order types
tcedi218	Address code IDs
tcedi224	Address types
tcedi226	Countries
tcedi228	Terms of delivery
tcedi230	Units
tcedi232	Item code IDs

The following data have to be maintained manually:

BAAN Table	Description	Link to BAAN Master Data
tcedi010	Relations	Supplier, customer master data
tcedi011	Messages supported by relations	EDI relations
tcedi028	Relations by Network	EDI relations
tcedi432	Conversion of Order Types (out)	Order types
tcedi310/448	Conversion of Delivery Address Codes by Customer (out/in)	Customer master data delivery address
tcedi434	Conversion of Address Types (out)	Address types
tcedi302/440/	Conversion of Country Codes (in/out)	Countries
tcedi300/430	Conversion of Delivery Condition Codes (in/out)	Terms of delivery
tcedi304/442	Conversion of unit codes (in/out)	Units
tcedi306/444	Conversion of Item Codes by Relation (in/out)	Item master data
tcedi481/480	Conversion of Requirement Type (in/out)	Requirement types
tcedi483/482	Conversion of Requirement Frequency (in/out)	Requirement Frequencies
tcedi485/484	Conversion of Release Date Type (in/out)	

When you create EDI business partners, observe the following :

In an empty company the message “Sales parameters not available“ appears. You can solve this problem by initializing the distribution parameters in the BAAN session tcms0295m000. In the standard menu, you can find this session under BAAN IV Common / Parameters / Parameter Distribution / Initialize parameters. You must also check the EDI parameters.

**To import a new defaults.edi:**

When you import a current defaults.edi file, you are recommended to carry out the following procedure to update the conversion tables (especially the tables TBtcedi500 and TBtcedi501). Before starting the import you are recommended to store the current conversion settings under a different name and then to delete the old settings. You can then start the import of the new defaults.edi file.



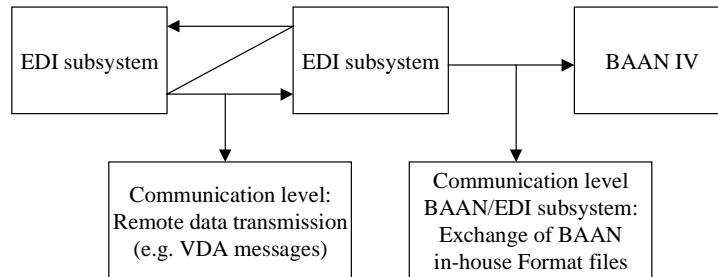


# 7 Interface

This chapter describes the technical link between the BAAN Electronic Message Interchange System BEMIS and the corresponding EDI subsystem.

You must take into account the following two components when looking at the interface between the EDI subsystem and the default software of BAAN IV:

- The BEMIS in-house files to be exchanged
- The communication method necessary for the exchange



*Figure 2, Communication method*

Separate User Guides are provided which describe the BEMIS in-house file formats. In this chapter, communication methods are described which give a well-ordered and error-free exchange of the BEMIS message files. The general functioning of the BAAN EDI module is also described.

In BAAN IV, data are generally exchanged on the basis of semaphores. With the help of a shell script this exchange can be carried out in a more flexible way. Furthermore, the BAAN EDI module can generate or record messages over its internal job management with the crontab file.

## Overview network directories

The so-called network directories form the basis of the communication between the EDI subsystem and BAAN IV. These directories are established in BAAN. The network basis directories for each network will be defined in the BAAN session tcedi0120m000. For the network BEMIS, the basis directories can be indicated in the following way:

```
/auto3/baanIV/edi/bemis/schedule  
/auto3/baanIV/edi/bemis/dci
```

BAAN will additionally create the following subdirectories:

```
/auto3/baanIVb/edi/bemis/schedule/appl_from/  
/auto3/baanIVb/edi/bemis/schedule/appl_to/  
/auto3/baanIVb/edi/bemis/schedule/command/  
/auto3/baanIVb/edi/bemis/schedule/store_rcv/  
/auto3/baanIVb/edi/bemis/schedule/store_sent/  
/auto3/baanIVb/edi/bemis/schedule/trace/
```

The above directories have the following function:

- 1 **.../appl\_from/:** In this directory, BAAN IV records the outgoing messages which are the defined BEMIS in-house format files. The EDI subsystem can collect them from here.
- 2 **.../appl\_to/:** The EDI subsystem writes the incoming message into this directory in the BAAN IV in-house format.
- 3 **.../command/:** Directory of the semaphores.
- 4 **.../store\_rcv/:** BAAN IV stores in this directory processed incoming messages, if the configuration is accordingly. During this process an additional subdirectory by incoming message file will be created which is named with a date and time stamp indicating when the message was moved.
- 5 **.../store\_sent/:** BAAN IV stores in this directory processed outgoing messages if the configuration is accordingly. During this process an additional subdirectory by outgoing message file will be created which is named with a date and time stamp indicating when the message was moved.
- 6 **.../trace/:** BAAN creates under this directory a log of the incoming and outgoing messages in the processing order, if the configuration is accordingly.

## Default communication over the semaphores

In general, the BAAN IV EDI subsystem works in two phases: Firstly, the outgoing messages will be created and secondly, the incoming messages will be read. In the directory `.../command` will be defined, if BAAN IV or the EDI subsystem writes or reads.

The following points describe the order for the exchange of the temporary format files:

- 1 The communication between BAAN IV and the EDI subsystem is only possible, when the corresponding network has been activated. BAAN IV checks the corresponding directory `.../command` for the semaphore `comm.yes`. If this semaphore is not set, then the network for BAAN IV has not been activated and the EDI subsystem is not ready for communication.
- 2 After the EDI subsystem has set `comm.yes`, BAAN IV generates a corresponding message file in the directory `.../appl_from/`. Before writing the outgoing message file, BAAN IV generates a log file in the directory `.../trace/`.
- 3 After BAAN IV has generated the message file, the semaphore `command.fil` is written into the directory `.../command`. BAAN IV then waits until this semaphore is deleted by the EDI subsystem.
- 4 The EDI subsystem reads the messages which BAAN IV generated in the directory `.../appl_from/` and writes the incoming messages into the directory `.../appl_to/`.
- 5 After having finished this procedure, the EDI subsystem deletes the semaphore `command.fil` in the directory `.../command`.
- 6 Then BAAN IV starts to record the message files, which the EDI subsystem stored in the directory `.../appl_to/`. This procedure will also be logged in the directory `.../trace/`.
- 7 BAAN will copy the message generated by BAAN and the incoming message file from the EDI subsystem into the directory `.../store_sent/` or `.../store_recv/`.
- 8 BAAN IV writes the semaphore `command.end` into the directory `.../command`. This step brings the communication between the EDI subsystem and BAAN IV to an end.
- 9 Finally, the EDI subsystem deletes the semaphores `comm.yes` and `command.end` in the directory `.../command`.

The following table displays an overview over the used pattern of the semaphores:

Step	Semaphores in directory .../command	BAAN writes semaphore(s)	EDI subsystem writes semaphore(s)	EDI subsystem deletes semaphore(s)	Status communication
I.	empty				Network directory deactivated
II.			comm.yes		Network directory activated by EDI subsystem
III.	comm.yes	Command.fil			BAAN IV has generated messages
IV.	comm.yes command.fil			command.fil	The EDI subsystem records outgoing messages or writes incoming messages
V.	comm.yes				BAAN IV reads incoming messages and stores them
VI.	comm.yes	command.end			End of communication
VII.	comm.yes command.end			comm.yes command.end	Disconnecting network
VIII.					Network deactivated

## Extension of the default communication

In BAAN IV, you can extend the default communication with a shell script. The script is stored under the name `command.script` in the directory `.../command`.

The shell script `command.script` will be executed by BAAN after the semaphore `command.fil` has been written to the directory `.../command`. Therefore it is possible to transmit or exchange the outgoing message file by remote with the EDI subsystem.

The project-specific operational scope of the shell script is carried out in accordance with the supplier of the EDI subsystem. The extension of the default communication does not change the order of the communication based on semaphores. The developer of the EDI subsystem is responsible for the technical realization and operational security of the default communication which has been extended by shell scripts.

**PLEASE NOTICE:** That using BAAN IV in a MS Windows NT environment the shell script functionality is not available! It is not possible to start the shell script in a MS Windows NT environment.

### Turning off the default communication

BAAN IV generates or reads messages, even if the communication based on semaphores in BAAN has been turned off. Please note the following points:

- When BAAN generates and stores messages in the directory **.../appl\_from/**, these messages will neither be deleted nor copied. The message file which has been generated by BAAN will be stored in the directory. When new messages are generated, they will be appended to the old message file in the directory **.../appl\_from/**.
- Message files, which have been stored in the directory **.../appl\_to/** by the EDI subsystem, will be deleted after BAAN has read them.

If this communication method is being selected, the EDI subsystem has to guarantee, that:

- Incoming and outgoing messages have to be stored in the BAAN in-house format
- Outgoing messages have to be deleted in the directory **.../appl\_from/** after being transmitted to the EDI subsystem.



## 8 Glossary of terms and abbreviations

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ABRUF	Schedule
Appl	Application
ANSI	American National Standards Organisation
BEM	Baan Electronic Message - abbreviated form of BEMIS used with the definition of the EDI organisation
BEMIS	Baan Electronic Message Interchange System
Business partner	Customer or supplier
C	Conditional, that is, optional message
defaults.edi	Export file detailing master EDI data
DELINS	Odette Delivery Instruction (Schedule)
EDI	Electronic Data Interchange; electronic exchange of documents in standard formats
EDIFACT	Electronic Data Exchange For Administration, Commerce and Transport. An ISO standard.
ELP	External Logistic partner
evaluation expression	If statement in the conversion setup for outgoing messages
ISO	International Standards Organization
ISO 4217	Code table
M	Mandatory (compulsory) message
MAIS	General Motor's interpretation of the subset of EDIFACT DELJIT Message
Messg	Message
network address	Folder (directory) path on network
ODDC	Oddette Code Table
ODDC25	Odette Code Table 25
ODETTE	European standard for electronic data exchange
Org	Organization, that is, system
SCH	Supply Chain
Semaphore	Method to show a status using files with zero length
Translation	Conversion of one data format to another, for example Baan in-house data format to ODETTE

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VDA	Standard used for electronic data exchange in Germany
X12	Standard used for electronic data exchange in the United States

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