BAAN IVc4

Definition of BEMIS 1.1.a Import File for the Message Type MAIS Pick-up

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About this document

This documentation details the standard in-house data formats, which the BAAN Electronic Message Interchange System (BEMIS) requires as an interfaces to a EDI subsystem.

The documentation is intended for developers of EDI subsystems, which want to realize an interface of their software to BAAN IV. Furthermore, it supports consultants, who want to implement and verify such an interface within a customer project.

Chapter 1, Introduction, gives an overview over the general principles of the relevant EDI message. For example available kinds of data records, message structure, key fields and other conventions.

Chapter 2 describes all corresponding kinds of data records for the EDI message in detail. All data fields are listed in an overview table in connection with the corresponding table fields. In addition, every single field is described in more detail. You will find information about the general conditions, which you need to observe for the processing in the EDI subsystem or in BAAN IV. Important fields are identified with both the English and German terms, to assist German-language speakers using this documentation.

A glossary of terms and abbreviations is supplied.

Changes in comparison with the previous version:

- Record type SA1 Mais Pick Up Overhead
  No changes

- Record type SA2 Mais Pick Up Header
  No changes

- Record type SA3 Mais Pick Up Lines
  New positions has been added.

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1   Introduction

This section describes the BAAN EDI in-house format for the message type *MAIS PICK UP (incoming).*

Kinds of data records available

The use of the following kinds of data records is conditional (C) or mandatory (M), when you transmit information about MAIS Pick Up Sheet.

ID	Status	Name
SA1	M	MAIS Pick Up Overhead (*Nachrichten-Vorsatz*)
SA2	M	MAIS Pick Up Header (*Kopfdaten MAIS Pick Up Sheet*)
SA3	M	MAIS Pick Up Lines (*Positionsdaten MAIS Pick Up Sheet*)

Branching diagram

Figure 1 shows the branching diagram which is used for the message type BEMIS – MAIS Pick Up Sheet. The branching diagram shows the structure of the message. It indicates the hierarchical relationship between segments. A segment is a set of functionally-related BAAN tables.

Level 0

SA1		SA2	
M	1	M	1

Level 1

SA3	
M	R

Legend:

Status:	Frequency:
M: mandatory message	1: once in message
C: conditional message	R: repeatable in message
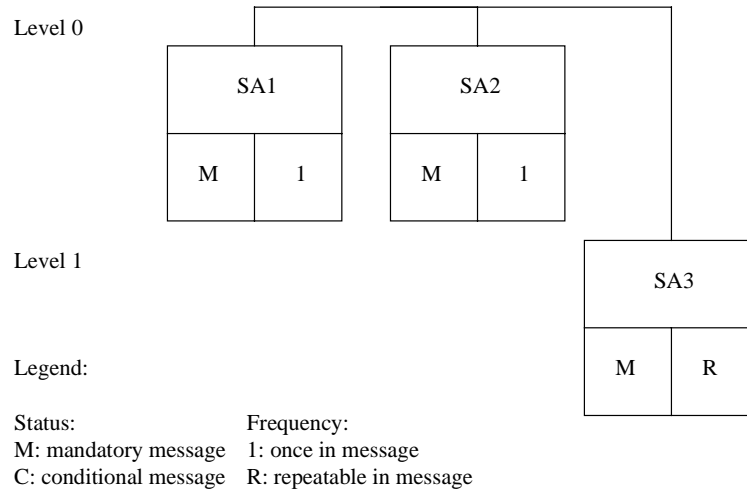
Figure 1, Branching diagram

For example, the BEMIS file has the following structure for two items required:

```
SA1 ...      BAAN IV Overhead
SA2 ...      Customer and delivery data, Pick Up Sheet Number 1
SA3 ...      Date, quantity of item 1
SA3...       Date, quantity of item 2
....

SA1 ...      BAAN IV Overhead
SA2 ...      Customer and delivery data, Pick Up Sheet Number 2
SA3 ...      Date, quantity of item 1
SA3...       Date, quantity of item 2
```

Incoming key fields

The following structure of the key fields is used to determine the related data records of a MAIS Pick UpSheet message.

Kind of data record	Key field 1	Key field 2	Key field 3
SA1	Message reference		
SA2	Message reference	Identification Customer	
SA3	Message reference	Identification Customer	Pick Up Sheet Number

Network directories

The network directories (that is, folders) 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 is defined in the BAAN session tcedi0120m000. For the network BEMIS, the basis directories can be indicated in the following way:

/auto3/baanIV/bemis/mais/

BAAN will additionally create the following subdirectories:

/auto3/baanIV/bemis/mais/appl_from/
/auto3/baanIV/bemis/mais/appl_to/
/auto3/baanIV/bemis/mais/command/
/auto3/baanIV/bemis/mais/store_recv/
/auto3/baanIV/bemis/mais/store_sent/
/auto3/baanIV/bemis/mais/trace/

The above directories have the following function:

- **.../appl_from**/: In this directory, BAAN IV records the outgoing messages which are the defined BEMIS in-house format files. The EDI subsystem can read them from here.

- **.../appl_to/:** The EDI subsystem writes the incoming message into this directory in the BAAN IV in-house format.

- **.../command**/: Directory of the semaphores.

- **.../store_recv**/: BAAN IV stores in this directory processed incoming messages, if the configuration is correct. During this process an additional subdirectory by incoming message file is created which is named with a date and time stamp indicating when the message was moved.

- **.../store_sent**/: BAAN IV stores in this directory processed outgoing messages, if the configuration is correct. During this process an additional subdirectory by incoming message file is created which is named with a date and time stamp indicating when the message was moved.

- **.../trace/:** BAAN creates under this directory a log of the incoming and outgoing messages in the processing order, if the configuration is correct.

For every message type, one network directory is used for outgoing messges, and one directory is used for incoming messages. This means that one message file contains data for several business partners.

The file name of the BEMIS in-house format file of the MAIS Pick Up Sheet which is described in this documentation is defined in the following way:

Direction	File name	Network directory
Incoming	MAIS.IN	**../appl_to**

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BEMIS Messages - Conventions

The following general rules apply to a message record in a BEMIS message file:

- Every message record starts with "SAx"
- Every message record ends with "SAx_END"
- The length of a data record can vary
- The message record must consist of all fields, even if not every field contains a value
- The fields in the file must be separated by a semicolon (;)
- All string fields have to be put in inverted commas ("....")
- The numerical values must not be put in inverted commas ("")

In the following sections you will find the format descriptions for the individual kinds of data records of the interface file. The table contains the following data:

MAIS Pick Up SHEET INHOUSE FORMAT				
Pos	FIELD NAME	Key	ST	FM

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

Pos.	Position of the field in the data record
Field name	Description of the field
Key	Key field outgoing (O) / incoming (I)
ST	Field status mandatory (M) / conditional (C)
FM	Field format

	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

from Application Table Fields (out) / Map to (in)	
Table Field	Action

The second block of the table describes the corresponding table field in BAAN IV as well as possible special actions, which are carried out during the processing of the messages.

When BAAN generates outgoing messages, the numerical fields are written into the in-house format file without leading zeros. For example, the year 0000 will be written as 0 in the BEMIS message file.

In the past, there seemed to be some doubts about the way BAAN points out a position within the message file. Here are some additional explanations:

As defined in BEMIS a position within a message file is pointed out using two semikolons.

To draw an example: `"SAX";...;Position;...;"SAX_END"`

If an position in a BEMIS Message File is not taken by a value (this means the position is empty), the position is pointed out as shown above. Moreover the BAAN EDI Module distinguishes between numerical and alphanumerical data format. If a position defined as numerical is empty the position is pointed out using semikolons. On the other hand emty alphanumerical positions are exported in two way. The first way is to point out a position using the semikolons. The second way BAAN exports empty alphanumerical positions is to write two inverted commans within the position. This depends whether the alphanumerical field existis in BAAN's database or not. Finally we take a look at the following expample:

empty numerical Position:

<div align="center">

`"SAX";...;;...;"SAX_END"`

</div>

empty alphanumerical Position:

<div align="center">

`"SAX";...;;...;"SAX_END"`

or

`"SAX";...;"";...;"SAX_END"`

</div>

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:
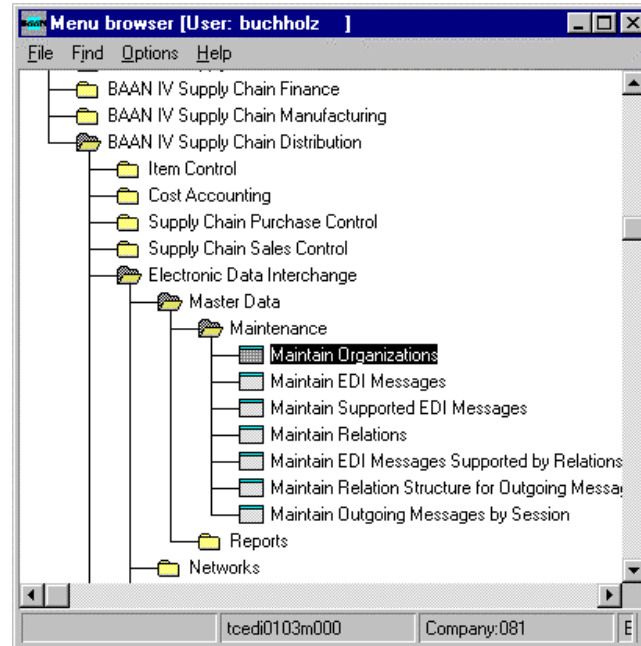
After you called the session tcedi0103m000 you will see that the entry for the dateformat on form two has been changed to "With Century (YYYYMMDD).
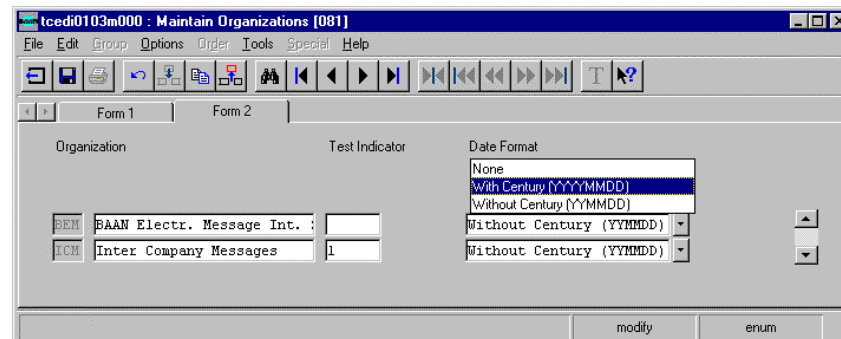
PLEASE NOTICE: If you use this option above the date format of every exported message will be changed to 8 digits! This means that the partner system (the translator software) has to able to translate each outgoing message comming with the changed date format!

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Following the table overview, every field is described in a more detailed way, including information about the processing in the EDI subsystem and in BAAN IV.

Changes in Comparison to Version 1.0.a

In comparision to version 1.0.a three new position has been added.

There are change concerning the mapping in SA3.

SA3:

SA3.14 New position: the constant DP has to be mapped by the EDI Sub System to this position.

SA3.15 New position: the constant ZZ has to be mapped by the EDI Sub System to this position.

SA3.16 New position: the constant SA has to be mapped by the EDI Sub System to this position.

SA3.17 The End of record sign "SA3_END" is moved from position 14 to position 17.

2 Data record description by kind of data record

SA1 MAIS Pick Up Sheet Overhead – *Nachrichtenvorsatz*

Status: Mandatory
Frequency: Once by MAIS Pick Up Sheet (once per pick up sheet number)
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.

MAIS Pick Up INHOUSE FORMAT					Map to Application Fields (in)	
Pos	FIELD NAME	Key	ST	FM	Table Field	Action
1.	Kind of data record	O/I	M	an3	SA1	
2.	Message reference	O/I	M	an..14	tcedi702.bano	Generation by EDI Subsystem
3.	Network address customer		M	an..17	tcedi702.reno	Conversion (see below)
4.	Sender's network identification		M	an..17		
5.	Message		M	an..6	tcedi702.mess	Conversion (see below)
6.	Organization		M	an..6	tcedi702.orga	Conversion (see below)
7.	Order type		M	an..35	tcedi702.koor	Conversion (see below)
8.	Transmission reference		M	an..20	tcedi702.msno	
9.	Date of transmission		M	n..6	tcedi702.send	
10.	Time of transmission		M	n..4	tcedi702.sent	
11.	Transmission reference old		M	an..20	tcedi702.prno	
12.	Data End of record marker		M	an7	SA1_END	

Detailed description of MAIS Pick Up Sheet, data record SA1 Overhead

Position	1	Field format	an3	Field status	M
Field name		Kind of data record		(Key field in)	

Description: This field identifies the kind of data record in the message block. It contains the fixed value 'SA1'.

Processing outgoing
EDI subsystem:
BAAN: This field is filled with the fixed value 'SA1'.

Processing incoming
EDI subsystem: This field is filled with the fixed value 'SA1'.
BAAN: None

Position	2	Field format	an..14	Field status	M
Field name		Message reference		(Key field in)	

Description: This field identifies all connected data records of one MAIS Pick Up Sheet. The numbering, which has to be unambiguous by MAIS Pick Up Sheet, helps to control the chronological order of the MAIS Pick Up Sheets and the complete transmission. The field consists of a fixed 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 BAAN table tcedi020. When generating the message reference with the EDI subsystem, the created message reference needs to be specific, that means unique. While storing the message reference BAAN checks whether it is specific.

Processing incoming
EDI subsystem: The EDI subsystem generates this number to identify a MAIS Pick Up Sheet and writes it into all data records of a MAIS Pick Up Sheet.
BAAN: Map to BAAN table field tcedi702.bano.

Position	3	Field format	an..17	Field status	M
Field name		Network address customer		(Key field in)	

Description: This field on the incoming side the network address of the customer.

Processing incoming
EDI subsystem:
BAAN: The network address determines the corresponding business partner (customer) and the network in the table tcedi028 'Relations by network'. This identification is mapped to the BAAN table field tcedi702.reno.

Position	4	Field format	an..17	Field status	C
Field name		Our identification in the network			

Description: Identification of the sender's unix path.

Processing incoming
EDI subsystem: Transmission of the value from the message file.
BAAN: On the incoming side This field is ignored.

Position	5	Field format	an..6	Field status	M
Field name		Message			

Description: This field contains the code for the identification of the concerned message. The code for the message type 'MAIS Pick Up Sheet' is MAISPU.

Processing incoming
EDI subsystem: This field is filled with the fixed value 'MAISPU'.
BAAN: The message code in the table tcedi001 'Supported EDI Messages' determines, which internal message in BAAN is connected to this MAIS Pick Up Sheet. In the BAAN table tcedi005 'EDI Messages' is determined for every message which session (Dll) is used in BAAN to process the MAIS Pick Up Sheet. The message code is mapped to the BAAN table field tcedi702.mess.

Position	6	Field format	an..6	Field status	M
Field name		Organization			

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

Processing incoming
EDI subsystem: This field is filled with the fixed value 'BEMIS'.
BAAN: Map to BAAN table field tcedi702.orga.
The corresponding organization must have been entered into the BAAN table tcedi003.

Position	7	Field format	an..35	Field status	C
Field name		Order type			

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

Processing incoming
EDI subsystem: Not used
BAAN: Map to BAAN table field tcedi702.koor.
In the BAAN table tcedi200 there must be an entry for this order type in connection with the appropriate message and organization.

Position	8	Field format	an..20	Field status	M
Field name		Transmission Reference			

Description: This field contains the reference code which the EDI subsystem applied to this transmission.

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tcedi702.msno

Position	9	Field format	n..6	Field status	M
Field name		Date of transmission			

Description: This field contains on the outgoing side the current date on which the MAIS Pick Up Sheet message was created. On the incoming side, this field contains the arrival date of the MAIS Pick Up Sheet at the EDI subsystem (format: YYMMDD).

Processing incoming
EDI subsystem: Entry of the arrival date of the message at the EDI subsystem.
BAAN: Map to BAAN table field tcedi702.send

Position	10	Field format	n..4	Field status	M
Field name		Time of transmission			

Description: This field contains on the outgoing side the time when the Up Sheet message was created. On the incoming side, the field contains the arrival time of the MAIS Pick Up Sheet at the EDI subsystem (format: HHMM).

Processing incoming
EDI subsystem: Entry of the arrival time of the message at the EDI Subsystem.
BAAN: Map to BAAN table field tcedi702.send.

Position	11	Field format	an..20	Field status	M
Field name		Transmission reference old			

Description: This field contains the reference number, which the EDI Subsystem applied to the previous transmission.

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tcedi702.prno

Position	12	Field format	an7	Field status	M
Field name		End of record marker			

Description: This field indicates the end of the data record. It contains the fixed value 'SA1_END'.

Processing incoming
EDI subsystem: This field is filled with the fixed value 'SA1_END'.
BAAN: None

SA2 MAIS Pick Up Sheet Header

Status :   Mandatory
Frequency: Once by MAIS Pick Up Sheet Number
Description: This kind of data record is used to transmit the Pick Up Sheet Number. The data record contains also information about the pick up time and date, the plant code and the plant name. This data record refers to SA1.

Pos	FIELD NAME	Key	ST	FM	Table Field	Action
	MAIS PICK UP SHEET INHOUSE FORMAT				**Map to Application Fields (in)**	
1.	Kind of data record	I	M	an3	SA2	
2.	Message reference	I	M	an..14	tcedi702.bano	
3.	Network address customer (in)	I	M	an..17	tdssc610.cuno	Conversion (see below)
4.	Pick Up Sheet Number	I	M	an..35	tdssc610.dref	
5.	Pick Up Date (from)	I	M	n..8	tdssc610.dtpf	
6.	Pick Up Time (from)		M	n..4	tdssc610.tipf	
7.	Pick Up Date (to)		M	n..8	tdssc610.dtpt	
8.	Pick Up Time (to)		M	n..4	tdssc610.tipt	
9.	Issue Date		M	n..8	tdssc610.dati	
10.	Issue Time		M	n..4	tdssc610.timi	
11.	Transport Route Number		M	an..35	tdssc610.trno	
12.	Plant Code		M	an..35	tdssc610.plnt	
13.	Plant Name		M	an..35	tdssc610.plnd	
14.	Carrier Name		M	an..35	tdssc610.carr	
15.	Delivery Date RDC (from)		C	n..8		
16.	Delivery Time RDC (from)		C	n..4		
17.	Delivery Date RDC (to)		C	n..8		
18.	Delivery Time RDC (to)		C	n..4		
19.	Delivery Date Destination Plant (from)		C	n..8		
20.	Delivery Time Destination Plant (from)		C	n..4		
21.	Delivery Date Destination Plant (to)		C	n..8		
22.	Delivery Time Destination Plant (to)		C	n..4		
23.	Vendor Code		C	an..35		
24.	Vendor Name		C	an..35		
25.	Contact Person Follow Up		C	an..35		
26.	Phone Number of Contact Person		C	an..25		
27.			M			empty position, this means (...;;...)
28.	End of record marker		M	an7	SA2_END	

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Detailed description of MAIS Pick Up Sheet, data record SA2 MAIS Pick Up Sheet Header

Position	1	Field format	an3	Field status	M
Field name		Kind of data record		(Key field in)	

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

Processing incoming
EDI subsystem: This field is filled with the fixed value 'SA2'.
BAAN:

Position	2	Field format	an..14	Field status	M
Field name		Message reference		(Key field in)	

Description: This field identifies all connected data records of one MAIS
Pick Up Sheet. The numbering of the message reference, which
has to be unambiguous by MAIS Pick Up Sheet, helps to
control the chronological order of the MAIS Pick Up Sheets and the
complete transmission.

Processing incoming
EDI subsystem: Refer to data record SA1.
BAAN:

Position	3	Field format	an..17	Field status	M
Field name		Network address customer		(Key field in)	

Description: This field contains the network address of the customer.

Processing incoming
EDI subsystem: Transmission of the value from the message file.
BAAN: The network address determines in the table tcedi028
'Relations by network' the corresponding business partner and
network. The business partner identification is mapped to the
BAAN table field tcedi702.reno.

Position	4	Field format	an..35	Field status	M
Field name		Pick Up Sheet Number	(Key field in)		

Description: MAIS Pick Up Sheet with reference number
                (Document/Message Number)

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc610.dref.

Position	5	Field format	n..8	Field status	M
Field name		Pick Up Date (from)			

Description:

Format: YYMMDD

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc610.dtpf.

Position	6	Field format	n..4	Field status	M
Field name		Pick Up Time (from)			

Description:

Format: HHMM

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc610.tipf.

Position	7	Field format	n..8	Field status	M
Field name		Pick Up Date (to)			

Description:

Format: YYMMDD

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc610.dtpt.

Position	8	Field format	n..4	Field status	M
Field name		Pick Up Time (to)			

Description:

Format: HHMM

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc610.tipt.

Position	9	Field format	n..8	Field status	M
Field name		Issue Date			

Description:

Format: YYMMDD

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc610.dati.

Position	10	Field format	n..4	Field status	M
Field name		Issue Time			

Description:

Format: HHMM

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc610.timi.

Position	11	Field format	an..35	Field status	M
Field name		Transport Route Number			

Description: GME defined route number identification

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc610.trno.

Position	12	Field format	an..35	Field status	M
Field name		Plant Code			

Description: GM's plant codes

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc610.plnt.

Position	13	Field format	an..35	Field status	M
Field name		Plant Name			

Description: Plant Name

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc610.plnd.

Position	14	Field format	an..35	Field status	M
Field name		Carrier Name			

Description:

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc610.carr.

Position	15	Field format	n..8	Field status	C
Field name		Delivery Date RDC (from)			

Description:

Format: CCYYMMDD

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.

Position	16	Field format	n..4	Field status	C
Field name		Delivery Date RDC (from)			

BAAN: None.
Description:

Format: HHMM

Processing incoming
BAAN: Transmission of the value from the transmission file.
EDI subsystem: None.

Position	17	Field format	n..8	Field status	C
Field name		Delivery Date RDC (to)			

Description:

Format: CCYYMMDD

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Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: None.

Position	18	Field format	n..8	Field status	C
Field name		Delivery Time RDC (to)			

Description:

Format: HHMM

Processing incoming
BAAN: Transmission of the value from the transmission file.
EDI subsystem: None.

Position	19	Field format	n..8	Field status	C
Field name		Delivery Date Destination Plant (from)			

Description:

Format: CCYYMMDD)

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: None.

Position	20	Field format	n..4	Field status	C
Field name		Delivery Time Destination Plant (from)			

Description:

Format: HHMM

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: None.

Position	21	Field format	n..8	Field status	C
Field name		Delivery Date Destination Plant (to)			

Description:

Format: CCYYMMDD

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: None.

Position	22	Field format	n..4	Field status	C
eld name		Delivery Time Destination Plant (to)			

Description:

Format: HHMM

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: None.

Position	23	Field format	an..35	Field status	C
Field name		Vendor Code			

Description: Supplier code

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: None.

Position	24	Field format	an..35	Field status	C
Field name		Vendor Name			

Description: Name of the supplier

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: None.

| Position | 25 | Field format | an..35 | Field status | C |
| Field name | | Contact Person Follow Up | | | |

Description: Name of the employee responsible for the follow-up.

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: None.

| Position | 26 | Field format | an..25 | Field status | C |
| Field name | | Phone Number of Contact Person | | | |

Description: Complete phone number of contact person.

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: None.

| Position | 27 | Field format | | Field status | M |
| Field name | | | | | |

Description: Empty position for later use.

Processing incoming
EDI subsystem: None.
BAAN: None.

| Position | 28 | Field format | an7 | Field status | M |
| Field name | | End of record marker | | | |

Description: This field indicates the end of the data record. It contains the
                 fixed value 'SA2_END'.

Processing incoming
EDI subsystem: This field is filled with the fixed value 'SA2_END'.
BAAN: None

SA3 MAIS Pick Up Sheet Lines – *Positionsdaten*

Status :   Mandatory
Frequency :   Repeatable
Description: This data record represents the Pick Up Sheets Lines. The lines are related to the SA2 and appears at least once.

Pos	FIELD NAME	Key	ST	FM	Table Field	Action
	MAIS PICK UP INHOUSE FORMAT				**Map to Application Fields**	
1.	Kind of data record	I	M	an3	SA3	
2.	Message reference	I	M	an..14	tcedi702.bano	
3.	Network address customer (in)	I	M	an..17	tdssc610.cuno	
4.	Pick Up Sheet Number	I	M	an..35	tdssc610.dref	
5.	Item Number	I	M	an..35	tdssc030.item	Conversion (see below)
6.	Additional Part Number		C	an..30	tdssc029.iedi(1)	
7.	Dock Code		C	an..25	tdssc030.iedi(1)	tdssc028.delp Conversion (see below)
8.	Material Handling Code		C	an..25	tdssc030.iedi(2)	
9.	Quantity to be delivered		M	n..15	tdssc030.dciq	
10.	Package Identification		C	an..17	tdssc030.iedi(3)	
11.	Number of Packages		C	an..8	tdssc030.iedi(4)	
12.	Quantity per Package		C	an..15	tdssc030.iedi(5)	
13.			M			empty position, this means (...;;...)
14.	Qualifier address code		M	an2	DP	
15.	Qualifier address type		M	an2	ZZ	
16.	Qualifier item number		M	an2	SA	
17.	Data End of record marker		M	an7	SA3_END	

Detailed description of MAIS Pick Up Sheet, data record SA3 MAIS Pick Up Sheet Lines

Position	1	Field format	an3	Field status	M	
Field name		Kind of data record		(Key field out/in)		

Description: This field identifies the kind of data record in the message block. It contains the fixed value 'SA3'.

EDI subsystem: This field is filled with the fixed value 'SA3'.
BAAN: None

Position	2	Field format	an..14	Field status	M	
Field name		Message reference		(Key field in)		

Description: This field identifies all connected data records of one MAIS Pick Up Sheet. The numbering of the message reference, which has to be unambiguous by MAIS Pick Up Sheet, helps to
control the chronological order of the MAIS Pick Up Sheets and the complete transmission.

Processing incoming
EDI subsystem: Refer to data record SA1.
BAAN:

Position	3	Field format	an..17	Field status	M	
Field name		Network address customer		(Key field in)		

Description: This field contains the network address of the customer.

Processing incoming

EDI subsystem: Transmission of the value from the message file.
BAAN: The network address determines in the table tcedi028
'Relations by network' the corresponding business partner and
network. The business partner identification is mapped to the
BAAN table field tcedi702.reno.

Position	4	Field format	an..35	Field status	M
Field name		Pick Up Sheet Number		(Key field in)	

Description: MAIS Pick Up Sheet with reference number
(Document/Message Number)

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc030 .dref.

Position	5	Field format	an..35	Field status	M
Field name		Item Number		(Key field in)	

Description: GM's item number

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc030.item and conversion with
tcedi306 to the Suppliers item number.

Position	6	Field format	an..4	Field status	M
Field name		Additional Part Number			

Description:

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Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc029.iedi(1).

Position	7	Field format	an..25	Field status	M
Field name		Dock Code			

Description: Dock code at the receiving plant for the item number

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc030.iedi(1). BAAN reads this position two times. At first the position is read by tdssc029.delp and converted to the delivery address using table Ttcedi310. Then the value in the message is mapped to the BAAN table field tdssc030.iedi(1).

Position	8	Field format	an..25	Field status	C
Field name		Material Handling Code			

Description: Additional internal destination

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc029.iedi(1).

Position	9	Field format	an..15	Field status	M
Field name		Quantity to be delivered			

Description:

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc030.dciq.

Position	10	Field format	an..40	Field status	C
Field name		Package Identification			

Description:

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc030.iedi(3).

Position	11	Field format	an..40	Field status	C
Field name		Number of Packages			

Description:

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc030.iedi(4).

Position	12	Field format	an..40	Field status	C
Field name		Quantity per Package			

Description:

Processing incoming
EDI subsystem: Transmission of the value from the transmission file.
BAAN: Map to BAAN table field tdssc030.iedi(5).

Position	13	Field format		Field status	M
Field name		empty			

Description: This position has to be left empty, this means: (...;;...).

Processing incoming
EDI subsystem: None.
BAAN: None.

Position	14	Field format	an2	Field status	M
Field name		Qualifier address code			

Description: This field contains the qualifier address code which is used to determine the delivery address from the value in position 4. This position must be filled with the fixed value 'DP'.

Processing incoming

EDI subsystem: This field is filled with the fixed value 'DP'.

BAAN: The qualifier must have been entered in the BAAN table TBtcedi218 (Address code IDs). It is taken into account when the BAAN internal delivery address code is determined from the value in position 4.

Position	15	Field format	an2	Field status	M
Field name		Qualifier address type			

Description: This field contains the qualifier address type which is used to determine the delivery address from the value in position 4. This position must be filled with the fixed value 'ZZ'.

Processing incoming

EDI subsystem: This field is filled with the fixed value 'ZZ'.

BAAN: The qualifier must have been entered in the BAAN table TBtcedi224 (Address types). It is taken into account when the BAAN internal delivery address code is determined from the value in position 4.

Position	16	Field format	an2	Field status	M
Field name		Qualifier item number			

Description: This field contains the qualifier item number which is used to determine the item number from the *Customer's item number* in position 5. This position must be filled with the constant value 'SA' ('SA' = supplier's item number).

Processing incoming

EDI subsystem: This field is filled with the fixed value 'SA'.

BAAN: The qualifier must have been entered in the BAAN table TBtcedi232 (Item number IDs). It is taken into account when the BAAN internal item number is determined from the customer's item number in position 5.

Position	17	Field format	an7 Field status	M
Field name		End of record marker		

Description: This field indicates the end of the data record. It contains the fixed value 'SA3_END'.

Processing incoming

EDI subsystem: This field is filled with the fixed value 'SA3_END'.

BAAN: None

Sample file

```
"SA1";"LA000100000124";"005122";" ";"MAISPU";"BEMIS";"
";"0";980126;1617;"0";"SA

1_END"

"SA2";"LA000100000124";"005122";"243811";19980208;1413
;19980208;1513;19980130;12

00;"A21";"002";"OPEL BOCHUM AG";"Spedition
Meyer";;;;;;;;;;"RUNDS";"Reitter & Sch

efenacker";"Herr Follow Up";"0511-8504-222";;"SA2_END"

"SA3";"LA000100000124";"005122";"243811";"090123456";"
A336";"K40";"A3-A12-K";200

;"KLT4328";4;50;"DP";"ZZ";"SA";"SA3_END"

"SA3";"LA000100000124";"005122";"243811";"190123456";"
A337";"K41";"A3-A13-K";210

;"KLT4328";4;50;;"DP";"ZZ";"SA";"SA3_END"

"SA1";"LA000100000125";"005122";" ";"MAISPU";"BEMIS";"
";"0";980126;1617;"0";"SA

1_END"

"SA2";"LA000100000125";"005122";"243812";19980209;1413
;19980209;1513;19980130;12

00;"A21";"002";"OPEL BOCHUM AG";"Spedition
Meyer";;;;;;;;;;"RUNDS";"Reitter & Sch

efenacker";"Herr Follow Up";"0511-8504-222";;"SA2_END"

"SA3";"LA000100000125";"005122";"243812";"090123456";"
A336";"K40";"A3-A12-K";200

;"KLT4328";4;50;;"DP";"ZZ";"SA";"SA3_END"

"SA3";"LA000100000125";"005122";"243812";"190123456";"
A337";"K41";"A3-A13-K";210

;"KLT4328";4;50;;"DP";"ZZ";"SA";"SA3_END"
```

Definition of BEMIS 1.1.a Import File for the Message Type MAIS Pick-up

3　Glossary of terms and abbreviations

ABRUF	Schedule
Appl	Application
ANSI	American National Standards Organization
BEM	Baan Electronic Message - abbreviated form of BEMIS used with the definition of the EDI organization
BEMIS	Baan Electronic Message Interchange System
Business partner (BP)	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	Odette 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

VAT	Value Added Tax (tax on turnover; sales tax)
VDA	Standard used for electronic data exchange in Germany
X12	Standard used for electronic data exchange in the United States