BAAN IVb/c

Definition of BEMIS 1.0a Import and Export File for the Message Type Packaging Data

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Baan Development B.V.
P.O.Box 143
3770 AC Barneveld
The Netherlands

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About this document

This document details the standard inhouse data formats, which the BAAN Electronic Message Interchange System BEMIS requires as interfaces to the appropriate EDI subsystem.

The document is intended for developers of EDI subsystems, which want to realize an interface with BAAN IV. Furthermore, this document helps consultants, who want to implement an interface on this basis, to check the correct data contents of the transmission files. Important fields are identified with both the English and German terms, to assist German-language speakers using this documentation.

Chapter 1 describes the general principles for the corresponding EDI message. For example, the available record types, message structure, key fields and other conventions.

Chapter 2 details the record types which are relevant for the EDI message. This chapter contains an overview table with the corresponding BAAN table fields. In addition, every single field is more detailed. You will find information about the general conditions which you need to observe for the processing in the EDI subsystem or in BAAN IV.

1 General principles

This document describes the BAAN EDI In-house-Format for the message *Packaging Transfer (incoming)* with the transmission purpose *account statement*.

Available record types

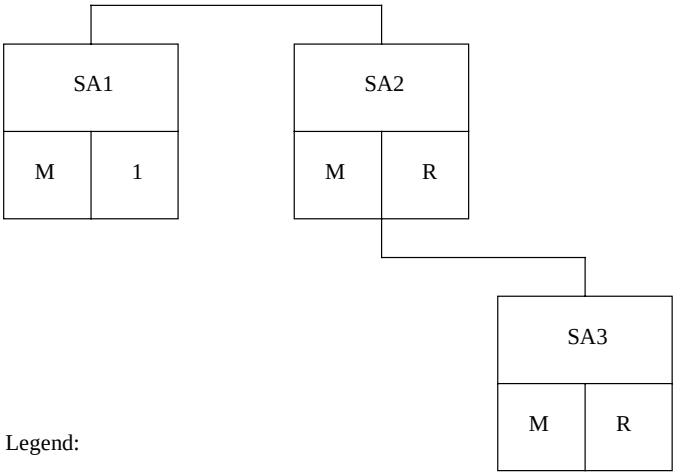
The use of the following record types is conditional (C) respectively mandatory (M) when you transmit information about packagings by means of the message VDA 4927 (”*Datenfernübertragung von Ladungsträger-Kontoauszügen und Ladungsträger-Bewegungen*”).

ID	Status	Name
SA1	M	Packaging Overhead (*Nachrichten-Vorsatz*)
SA2	M	Packaging Header (*Kopfdaten/Relation/Ladungsträger*)
SA3	M	Packaging Line Data (*Vorgangssdaten*)

Branching diagram

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.

The following record structure is used for the message type BEMIS packaging transfer incoming:



Legend:

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

Figure 1, Branching diagram

For the packaging transfer the BEMIS file has the following structure:

SA1 ...	BAAN IV Overhead
SA2 ...	Packaging Header 1
SA3 ...	Packaging Line Data 11
SA3...	Packaging Line Data 12
....	
SA2 ...	Packaging Header 2
SA3 ...	Packaging Line Data 21
SA3...	Packaging Line Data 22
….	

Key fields for incoming messages

The following structure of the key fields is used to determine the related records for a message about a packaging transfer:

Record type	Key field 1	Key field 2	Key field 3	Key field 4	Key field 5
SA1	Message reference	Network address customer			
SA2	Message reference	Network address customer	Customer number/city code customer	Customer's item number	
SA3	Message reference	Network address customer	Customer number/city code customer	Customer's item number	Document number

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 are defined in the BAAN session tcedi0120m000. For the network BEMIS, the basis directories can be indicated in the following way:

/auto3/baanIV/bemis/

BAAN will additionally create the following subdirectories:

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

The above mentioned directories have the following function:

1. .../appl_from/: In this directory, BAAN IV records the outgoing messages which are the defined BEMIS inhouse 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 inhouse format.
3. .../command/: Directory of the semaphores.
4. .../store_recv/: BAAN IV stores in this directory processed incoming messages, if the configuration is accordingly. 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.
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 is 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.

The file name of the BEMIS inhouse format file of the message packaging transfer, which is being described in this document, is defined in the following way:

Direction	File name	Network directory
incoming	CONTAINER.IN	../appl_to

BEMIS Messages – Conventions

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

1 The length of a record can vary.

2 The message record must consist of all fields, even if not every field contains a value.

3 The fields in the file are to be separated by a ; .

4 The text values of the fields have to be put into "".

5 The numerical values must not be put into "".

6 Every message record starts with "SAx".

7 Every message record ends with "SAx_END".

In the following sections you will find the format descriptions for the individual record types of the BEMIS inhouse format file. The tables contain the following data:

PACKAGING INHOUSE FORMAT				
Pos	FIELD DESCRIPTION	Key	ST	FM

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

Pos.	Position of the field in the 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 digits
	n1	numerical field with exactly 1 digit

Mapping to Application Table Fields (in)	
Table Field	Action

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

When BAAN generates outgoing messages, the numerical fields are written into the inhouse format file without leading zeros. For example, for the year ”0000” a ”0” is written into the BEMIS message file.

For the message type packaging transfer you need to observe that the value sign of the numerical value is not transferred individually, but in connection with the numerical value. This is especially important for negative values as the value sign has to be included in the length of the numerical value (+1 equals 1, -1 equals –1).

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

2 Data record description by record type

SA1 Packaging Overhead – *Nachrichtenvorsatz*

Status : Mandatory
Frequency : Once by message
Description: This record contains information about the transmitter, the type of the message, and the time of the transmission. The included message reference identifies all related records of this message.

PACKAGING INHOUSE FORMAT					Mapping to Application Fields (in)	
Pos	**FIELD DESCRIPTION**	**Key**	**ST**	**FM**	**Table Field**	**Action**
1	Record type (*Satzart*)	O/I	M	an3	SA1	
2	Message reference (*Nachrichtenreferenz*)	O/I	M	an..14	tcedi702.bano	Generation by EDI subsystem
3	Identification/network address customer (*Identifikation/Netzwerkadresse Kunde*)		M	an..17	tcedi702.reno	Conversion (see below)
4	Message (*Nachricht*)		M	an..6	tcedi702.mess	Conversion (see below)
5	Organization (*Organisation*)		M	an..6	tcedi702.orga	Conversion (see below)
6	Order type (*Auftragsart*)		M	an..35	tcedi702.koor	Conversion (see below)
7	Transmission reference (*Übertragungsreferenz*)		M	an..20	tcedi702.msno	
8	Transmission date (Sendedatum)		M	n..6	tcedi702.send	

9	Transmission time (*Sendezeit*)	M	n..4	tcedi702.sent
10	Transmission reference old (*Übertragungsreferenz alt*)	M	an..20	tcedi702.prno
11	Record end sign (*Satzendekennung*)	M	an7	SA1_END

Detailed description of Packaging data, record type SA1 Overhead

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Record type**		(Key field)	

Description: This field identifies the record type in the message block. It contains the fixed value ‘SA1’.

EDI subsystem: Field is filled with fixed value ‘SA1’.

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

Description: This field identifies all related records of the packaging. The numbering of the message reference, which has to be unambiguous bypackaging data message, helps to control the chronological order of the packaging data message and the complete transmission. The field consists of a fix part with four characters, the current date (foramt: YYMMDD) and a serial number with four characters.

The special format is defined in the network parameters in the BAAN table tcedi020.

Processing incoming

EDI subsystem: The EDI subsystem generates this number to identify a packaging data message and writes it into all records of a packaging data message.

BAAN: Mapping to BAAN table field tcedi702.bano.

Position	**3**	Field format	**an..17**	Field status	**M**
Field name		**Identification/network address customer**			

Description: This field contains the identification or network address of the ship-from business partner.

Processing incoming

EDI subsystem: Transmission of value from message file.

BAAN: The corresponding business partner and network are determined on the basis of the network address in the BAAN table tcedi028 ‘Relations by network’. This business partner identification is mapped to the BAAN table field TFtcedi702.reno.

Position	**4**	Field format	**an..6**	Field status	**M**
Field name		**Message**			

Description: This field contains the code for the identification of the concerned message. The code of the message type shipment notification is ‚LADUNG‘.

Processing incoming

EDI subsystem: The field is filled with the fixed value ‘LADUNG’.

BAAN: The message code in the BAAN table tcedi001 ‘Supported EDI Messages’ determines, which internal message is connected to this BEMIS invoice. In the BAAN table TBtcedi005 ‘EDI Messages’ is determined for every message, which session (DLL) is used in BAAN to process the BEMIS invoice. The message code is mapped to the BAAN table field TFtcedi702.mess.

Position	**5**	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: The field is filled with the fixed value ‘BEMIS’.

BAAN: Mapping to BAAN table field tcedi702.orga.
The corresponding organization must have been entered in the BAAN table tcedi003.

Position	**6**	Field format	**an..35**	Field status	**M**
Field name		**Order type**			

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

Processing incoming

EDI subsystem: The value blank is entered in this field.

BAAN: Mapping to BAAN table field tcedi702.koor.
In BAAN table tcedi200 there must be an entry for this order type in connection with the appropriate message and organization.

Position	**7**	Field format	**an..20**	Field status	**M**
Field name		**Transmission reference**			

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

Processing incoming

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

BAAN: Mapping to BAAN table field tcedi702.msno.

Position	**8**	Field format	**n..6**	Field status	**M**
Field name		**Transmission date**			

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

Processing incoming

EDI subsystem: Entry of the arrival date of the message at the EDI subsystem.

BAAN: Mapping to BAAN table field tcedi702.send.

Position	**9**	Field format	**n..4**	Field status	**M**
Field name		**Transmission time**			

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

Processing incoming

EDI subsystem: Entry of the arrival time of the message at the EDI subsystem.

BAAN: Mapping to BAAN table field tcedi702.send.

Position	**10**	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: Mapping to BAAN table field tcedi702.prno.

Position	**11**	Field format	**an7**	Field status	**M**
Field name		**Record end sign**			

Description: This field indicates the end of the record. It contains the fixed value ‘SA1_END’.

Processing incoming

EDI subsystem: The field is filled with the fixed value ‘SA1_END’.

BAAN: None

SA2 Packaging Header – *Kopfdaten/Relation/Ladungsträger*

Status : Mandatory
Frequency: At least once by packaging data
Description: This record type is used to transmit packaging data. The record contains information about the relation and the packaging.

PACKAGING INHOUSE FORMAT				Mapping to Application Fields (in)	
FIELD DESCRIPTION	**Key**	**ST**	**FM**	**Table Field**	**Action**
Record type (*Satzart*)	I	M	an3	SA2	
Message reference (*Nachrichtenreferenz*)	I	M	an..14	tcedi702.bano	
Network address customer (*Netzwerkadresse Kunde*)	I	M	an..17	tcedi702.reno	
Customer number/city code customer (*Kunden-Nummer/Ortschlüssel Kunde*)	I	M	an..14	tdcsc030.pckc	Conversion (see below)
Customer's item number (*Sachnummer Kunde*)	I	M	an..22	tdcsc030.paid	Conversion (see below)
Qualifier address code (*Qualifier Adress-Code*)		M	an2	DP	
Qualifier address type (*Qualifier Adressart*)		M	an2	ZZ	
Qualifier item number (*Qualifier Artikelnummer*)		M	an2	SA	
Transmission purpose (*Übertragungszweck*)		M	an2	tdcsc030.trpu	
Number packaging old stock (Anzahl Ladungsträger Bestand alt)		M	n..11	tdcsc030.pbal	
Number packaging new stock (Anzahl Ladungsträger Bestand neu)		M	n..11	tdcsc030.nbal	

Transaction date old stock (*Buchungsdatum Bestand old*)	M	n..6	tdcsc030.pbdt
Transaction date new stock (*Buchungsdatum Bestand neu*)	M	n..6	tdcsc030.nbdt
Record end sign (*Satzendekennung*)	M	an7	SA2_END

Detailed description of Packaging data, record type SA2
Packaging header

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Record type**		(Key field)	

Description: This field identifies the record type in the message block. It contains the fixed value ‘SA2’.

Processing incoming

EDI subsystem: Field is filled with fixed value ‘SA2’.

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

Description: This field identifies all related records of the packaging. The numbering of the message reference, which has to be unambiguous by packaging data message, helps to control the chronological order of the packaging data message and the complete transmission.

Processing incoming

EDI subsystem: Refer to record type SA1.

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

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

Processing incoming

EDI subsystem: Transmission of value from message file.

BAAN: The corresponding business partner and network are determined on the basis of the network address in the BAAN table tcedi028 ‘Relations by network’. The BAAN internal customer number is determined in table tcedi010 ‘Business partner’ on the basis of the business partner identification.

Position	**4**	Field format	**an..14**	Field status	**M**
Field name		**Customer number/city code customer**		(Key field)	

Description: This field contains the code (format: kkkkkkkkkooooo) which is used to determine the actual customer. ‘kkkkkkkkk’ equals the customer number and ‘ooooo’ equals the first five characters of the city code of the customer.

Processing incoming

EDI subsystem: The EDI subsystem generates the code on the basis of the data for the customer number and city code customer.
You need to take into account the first 9 characters of the *customer number*, the *city code* starts with the 10th character.

BAAN: The conversion tables for the address codes can be found in the BAAN table tcedi310 under the business partner and the *Organization* of record type SA1 und the *address code ID* of record type SA2. For the generated *Code delivery address* the BAAN internal address code is determined in the table and mapped to the BAAN table field tdssc030.pckc.

Position	**5**	Field format	**an..22**	Field status	**M**
Field name		**Customer's item number**		(Key field)	

Description: This field contains the description of the customer for the packaging type.

Processing incoming

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

BAAN: The conversion table for the item numbers can be found in the BAAN table tcedi306 under the business partner and *Organization* of the record type SA1 and the *item group ID* of record type SA2. For the transmitted customer's item number the BAAN internal item number is determined and mapped to the BAAN table field tdcsc030.paid.

Position	**6**	Field format	**an2**	Field status	**M**
Field name		**Qualifier address code**			

Description: This field contains the qualifier address code which is used for the determination of the delivery address on the basis of the value in position 4. It must contain the fixed value 'DP'.

Processing incoming

EDI subsystem: The 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 used for the determination of the BAAN internal delivery address code on the basis of the value in position 4.

Position	**7**	Field format	**an2**	Field status	**M**
Field name		**Qualifier address type**			

Description: This field contains the qualifier address type for the determination of the delivery address on the basis of the value in position 4. It must contain the fixed value ‘ZZ’.

Processing incoming

EDI subsystem: The 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 for the determination of the BAAN internal delivery address code on the basis of the value in position 4.

Position	**8**	Field format	**an2**	Field status	**M**
Field name		**Qualifier item number**			

Description: This field contains the qualifier item number for the determination of the item number on the basis of the *Customer’s item number* in position 5. It must contain the fixed value ‘SA’ (‘SA’ = supplier’s item number).

Processing incoming

EDI subsystem: The field is filled with the fixed value ‘SA’.

BAAN: The qualifier must have been entered in the BAAN table TBtcedi232 (Item group codes). It is taken into account for the determination of the BAAN internal item number on the basis of the customer’s item number in position 5.

Position	**9**	Field format	**an2**	Field status	**M**
Field name		**Transmission purpose**			

Description: This field contains the code for the transmission purpose with the following meaning:

01 = account statement (*Kontovollauszug*)
02 = account overview (*Konto-Übersicht*)
03 = transaction report (*Bewegungsmeldung*)
04 = inventory request (*Inventur-Anfrage*)
05 = inventory response (*Inventur-Rückmeldung*)

Processing incoming

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

BAAN: Mapping to BAAN table field tdcsc030.trpu.

Position	**10**	Field format	**n..11**	Field status	**M**
Field name		**Number packaging old stock**			

Description: Account statement: closing stock of last statement as carry forward

Processing incoming

EDI subsystem: Transmission of the value from the transmission file, while applying the corresponding value sign to the value.

BAAN: Mapping to BAAN table field tdcsc030.pbal.

Position	**11**	Field format	**n..11**	Field status	**M**
Field name		**Number packaging new stock**			

Description: Account statement: closing stock of present statement

Processing incoming

EDI subsystem: Transmission of the value from the transmission file, while applying the corresponding value sign to the value.

BAAN: Mapping to BAAN table field tdcsc030.nbal.

Position	**12**	Field format	**n..6**	Field status	**M**
Field name		**Transmission date old stock**			

Description: This field contains the date of the last account statement.

Processing incoming

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

BAAN: Mapping to BAAN table field tdcsc030.pbdt

Position	**13**	Field format	**n..6**	Field status	**M**
Field name		**Transmission date new stock**			

Description: This field contains the date of the current stock statement.

Processing incoming

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

BAAN: Mapping to BAAN table field tdcsc030.nbdt.

Position	**14**	Field format	**an7**	Field status	**M**
Field name		**Record end sign**			

Description: This field indicates the end of the record. It contains the fixed value ‘SA2_END’.

Processing incoming

EDI subsystem: The field is filled with the fixed value ‘SA2_END’.

BAAN: None

SA3 Packaging Line Data – *Vorgangsdaten*

Status : Mandatory
Frequency: Repeatable by item number
Description: This record type supports the transmission of transaction data for the packaging.

PACKAGING INHOUSE FORMAT				Mapping to Application Fields (in)	
FIELD DESCRIPTION	**Key**	**ST**	**FM**	**Table Field**	**Action**
Record type (*Satzart*)	I	M	an3	SA3	
Message reference (*Nachrichtenreferenz*)	I	M	an..14	tcedi702.bano	
Network address customer (*Netzwerkadresse Kunde*)	I	M	an..17	tdssc702.reno	
Customer number/city code customer (*Kunden-Nummer/Ortschlüssel Kunde*)	I	M	an..14	tdcsc030.pckc	
Customer's item number (*Sachnummer Kunde*)	I	M	an..22	tdcsc030.paid	
Document number (*Belegnummer*)	I	M	an..17	tdcsc031.dcid	
Transaction key (*Vorgangsschlüssel*)		M	an..2	tdcsc031.trcd	Conversion (see below)
Transaction date (*Buchungsdatum*)		M	n..6	tdcsc031.bpdt	
Document position number 1 (*Beleg Pos. Nr. 1*)		C	an..4	tdcsc031.dcip	
Document position number 2 (*Beleg Pos. Nr. 2*)		C	an..4	tdcsc031.dcpp	

Document date (*Beleg Datum*)	M	n..6	tdcdc031.dcdt
Number of packaging (*Anzahl der Ladungsträger*)	M	n..11	tdcsc031.pqty
Record end sign (*Satzendekennung*)	M	an7	SA3_END

Detailed description of Packaging data, record type SA3 Packaging Line Data

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Record type**		(Key field)	

Description: This field identifies the record type in the message block. It contains the fixed value ‘SA3’.

Processing incoming

EDI subsystem: Field is filled with fixed value ‘SA3’.

BAAN: None

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

Description: This field identifies all related records of the packaging. The numbering of the message reference, which has to be unambiguous bypackaging data message, helps to control the chronological order of the packaging data message and the complete transmission.

Processing incoming

EDI subsystem: Refer to record type SA1.

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

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

Processing incoming

EDI subsystem: Transmission of value from message file.

BAAN: The corresponding business partner and network are determined on the basis of the network address in the BAAN table tcedi028 ‘Relations by network’. The BAAN internal customer number is determined in table tcedi010 ‘Business partner’ on the basis of the business partner identification.

Position	**4**	Field format	**an..14**	Field status	**M**
Field name	**Customer number/city code customer** (Key field)				

Description: This field contains the code (format: kkkkkkkkkooooo) which is used to determine the actual customer. ‘kkkkkkkkk’ equals the customer number and ‘ooooo’ equals the first five characters of the city code of the customer.

Processing incoming

EDI subsystem: The EDI subsystem generates the code on the basis of the data for the customer number and city code customer.
You need to take into account the first 9 characters of the *customer number*, the *city code* starts with the 10th character.

BAAN: The conversion tables for the address codes can be found in the BAAN table tcedi310 under the business partner and the *Organization* of record type SA1 und the *address code ID* of record type SA2. For the generated *Code delivery address* the BAAN internal address code is determined in the table and mapped to the BAAN table field tdssc030.pckc.

Position	**5**	Field format	**an..22**	Field status	**M**
Field name		**Customer's item number**		(Key field)	

Description: This field contains the description of the customer for the packaging type.

Processing incoming

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

BAAN: The conversion table for the item numbers can be found in the BAAN table tcedi306 under the business partner and *Organization* of the record type SA1 and the *item group ID* of record type SA2. For the transmitted customer's item number the BAAN internal item number is determined and mapped to the BAAN table field tdcsc030.paid.

Position	**6**	Field format	**an..17**	Field status	**M**
Field name		**Document number**		(Key field)	

Description: This field contains the identification number which the transaction trigger applied to the transaction.

Processing incoming

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

BAAN: Mapping to BAAN table field tdcsc031.dcid.

Position	**7**	Field format	**an..2**	Field status	**M**
Field name		**Transaction key**			

Description: This field contains the encoded type of the transaction respectively document. Refer to the transaction keys according to VDA 4927. You need to take into account that the corresponding recommendations in BAAN (Packaging Management) is configurated.

Processing incoming

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

BAAN: Mapping to BAAN table field tdcsc031.trcd and conversion of the code in the message to the code in the application using the code and conversion table tcedi487. You need to take into account that first of all you have to enter the allowed transaction keys in the table tcedi486 in accordance with the transmitted organization in SA1.

Position	**8**	Field format	**n..6**	Field status	**M**
Field name		**Transaction date**			

Description: This field contains the date when the transaction was posted.

Processing incoming

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

BAAN: Mapping to BAAN table field tdcsc031.bpdt.

Position	**9**	Field format	**an..4**	Field status	**C**
Field name		**Document position number 1**			

Description: This field contains the number of the position in the document which is used for the material.

Processing incoming

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

BAAN: Mapping to BAAN table field tdcsc031.dcip.

Position	**10**	Field format	**an..4**	Field status	**C**
Field name		**Document position number 2**			

Description: This field contains the number of the position in the document which is used for the packaging.

Processing incoming

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

BAAN: Mapping to BAAN table field tdssc031.dcpp

Position	**11**	Field format	**n..6**	Field status	**M**
Field name		**Beleg Datum**			

Description: This field contains the date of the transaction trigger (for example, date of the shipping note).

Processing incoming

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

BAAN: Mapping to BAAN table field tdcsc.031.dcdt.

Position	**12**	Field format	**n..11**	Field status	**C**
Field name		**Number of packagings**			

Description: This field contains the number of the packagings in pieces for the transaction.

Processing incoming

EDI subsystem: Transmission of the value from the transmission file and adding the corresponding value sign of the value.

BAAN: Mapping to BAAN table field tdcsc031.pqty.

Position	**15**	Field format	**an7**	Field status	**M**
Field name		**Record end sign**			

Description: This field indicates the end of the record. It contains the fixed value ‘SA3_END’.

Processing incoming

EDI subsystem: The field is filled with the fixed value ‘SA3_END’.

BAAN: None

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)
Directory	Folder
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

4 Appendix

Conversion of the customer number/city code in delivery address respectively determination of the BAAN internal customer number

When transmitting the message:

- Packaging Data Transfer (VDA4927) incoming VA 01

The features customer number and city code are expected respectively transmitted as unambiguous identification of the customer. This means that the BAAN internal customer number and the corresponding delivery address is determined using the BAAN table tcedi310.

You need to enter the appropriate information in the following code and conversion tables to be able to carry out the conversion:

- Address types (TBtcedi214)

```
Maintain address types                                  Company: 600
-------------------------------------------------------------------
Organization      : BEM BAAN Electr. Message Int. Sys.

Code in Message     Description

ZZ                  Delivery address
                                                        Choice: ..
```

These parameters need to be entered oncy by organization (BEM).

2 Address Code IDs (tcedi218)

```
Maintain Address Code IDs                                  Firma: 600

Organization      : BEM BAAN Electr. Message Int. Sys.

Code in Message     Description

DP                  Delivery address
                                                          Choice: ..
```

These parameters need to be entered once by organization (BEM).

3 Delivery address codes by customer incoming (TBtcedi310)

```
Maintain Conv. Of Del. Addr. Codes by Customer (in)   Company: 600

Customer          : 000001    Volkswagen AG
Organization      :    BEM    Verband der deutschen autoind.
Address Code ID   : DP        Delivery Address

Code in Message                   Code in Application

01601QC                           001 Werk Wolfsburg Tor1
01602QC                           002 Werk Wolfsburg Tor2

                                                          Choice: ..
```

The conversion of the customer number and the city code (code in message) to the BAAN internal customer number for the corresponding customer is carried out in this table. The parameters have to be entered for every known customer number/city code-combination of a customer.

Sample file

Incoming file CONTAINER.IN

"SA1";"19970828000001";"987123";"LADUNG";"BEMIS";"";"45678";970828;600;"123456";"SA1_END"

"SA2";"19970828000001";"987123";"KD1234567ORT01";"6.351.300";"DP";"ZZ";"SA";"01";100;110;970825;970826;"SA2_END"

"SA3";"19970828000001";"987123";"KD1234567ORT01";"6.351.300";"BelegNr100";"01";970826;"10";10;970825;300;"SA3_END"

"SA3";"19970828000001";"987123";"KD1234567ORT01";"6.351.300";"BelegNr101";"01";970826;"20";10;970825;300;"SA3_END"

"SA2";"19970828000001";"987123";"KD1234567ORT02";"6.351.300";"DP";"ZZ";"SA";"01";+200;+220;970825;970826;"SA2_END"

"SA3";"19970828000001";"987123";"KD1234567ORT02";"6.351.300";"BelegNr200";"01";970826;"10";10;970825;300;"SA3_END"

"SA3";"19970828000001";"987123";"KD1234567ORT02";"6.351.300";"BelegNr201";"01";970826;"20";10;970825;300;"SA3_END"