BAAN IVb/c

Definition of BEMIS 1.0a Import and Export File for the Message Type Shipment Notification

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About this document

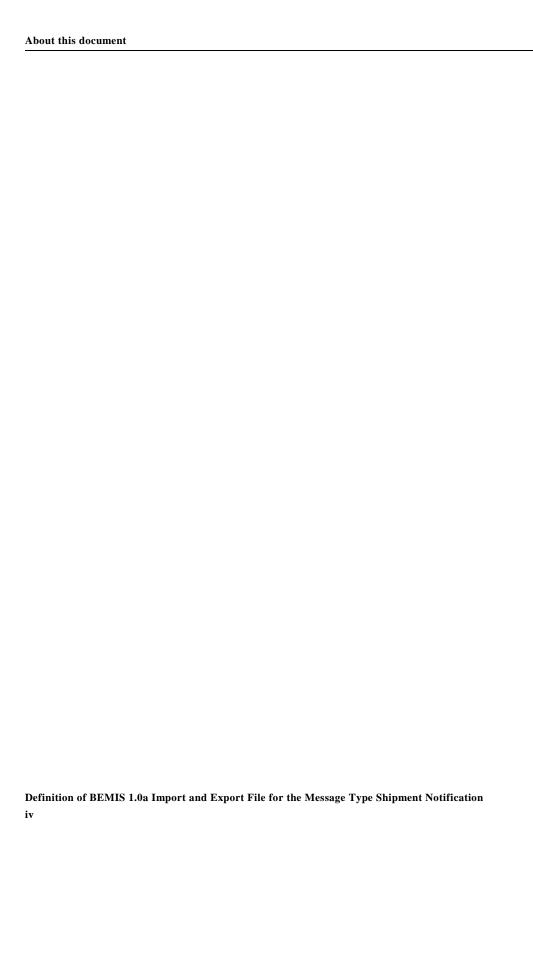
This documentation details the standard inhouse data formats, which the BAAN Electronic Message Interchange System BEMIS requires as interfaces to the appropriate EDI subsystem.

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

This documentation describes the EDI message *incoming* and *outgoing shipment notifications*.

Chapter 1 describes the structure of the interface file, the different record types within the file and the used key fields.

Chapter 2 details every single record type of the message. This chapter contains an overview table with the corresponding BAAN table fields. In addition, every single field is more detailed.



1 Documentation of the record types

The following section of the documentation details the BAAN ELECTRONIC message in-house format "Shipment Notification".

Available record types of the message type shipment notification

The use of the following record types is conditional (C) respectively mandatory (M), when you transfer information of a shipment notification by means of the messages VDA 4913 (,,*Datenfernübertragung von Lieferschein- und Transportdaten (direkter Austausch zwischen Kunde und Lieferant*)")¹ or ODETTE AVIEXP.

The shipment notification message (inhouse format) consists of the following records:

ld	Status	Name
SA1	М	Message Overhead (Nachrichten-Vorsatz)
SA2	М	Loading Header (Sendungs-Kopf)
SA3	М	Shipping Note Header (Lieferschein-Kopf)
SA4	М	Shipping Note Position (Lieferschein-Position)
SA5	С	Packaging Position (Packmittel-Position)

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¹ Remote transfer of shipping note and transportation data (direct transfer between customer and supplier)

Structure of the shipment notification message (in-house format)

The following record structure is used for the message type BEMIS shipment notification:

Level	Record Id	Status	Name
1	SA1	M/1	Message Overhead (Nachrichten-Vorsatz)
2	SA2	M/1	Loading Header (Sendungs-Kopf)
3	SA3	M/R	Shipping Note Header (Lieferschein-Kopf)
4	SA4	M/R	Shipping Note Position (<i>Lieferschein-Position</i>)
4	SA5	C/R	Shipping Note Packaging Position (Packmittel-Position)

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.

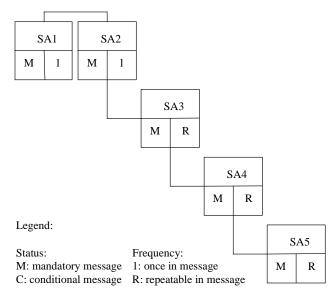


Figure 1, Branching diagram

For example, for one message, which consists of one shipment with two shipping notes with several shipping note positions and packaging positions, the BEMIS file has the following structure:

SA1	Message Overhead
SA2	Loading Header
SA3	Shipping Note Header 1
SA4	Shipping Note Position 11
SA5	Packaging Position 111
SA5	Packaging Position 112
SA4	Shipping Note Position 12
SA5	Packaging Position121
SA3	Shipping Note Header 2
SA4	Shipping Note Position 21
SA5	Packaging Position 211
SA5	Packaging Position 212
SA1	Message Overhead New Message

Shipment Notification - Key Fields

The following structure of the key fields is used to determine the corresponding records of a shipment notification:

Record type	Key field 1	Key field 2	Key field 3	Key field 4	Key field 5	Key field 6
SA1	Message Reference	Network address customer/supplier				
SA2	Message Reference	Network address customer/supplier	Master Bill of Lading No.			
SA3	Message Reference	Network address customer/supplier	Master Bill of Lading No.	Shipping Note No.		
SA4	Message Reference	Network address customer/supplier	Master Bill of Lading No.	Shipping Note No.	Shipping Note Position	
SA5	Message Reference	Network address customer/supplier	Master Bill of Lading No.	Shipping Note No.	Shipping Note Position	Packaging Position

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/lieferavi

BAAN will additionally create the following subdirectories:

/auto3/baanIV/bemis/lieferavi/appl_from/ /auto3/baanIV/bemis/lieferavi/appl_to/ /auto3/baanIV/bemis/lieferavi/command/ /auto3/baanIV/bemis/lieferavi/store_recv/ /auto3/baanIV/bemis/lieferavi/store_sent/ /auto3/baanIV/bemis/lieferavi/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.

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

The file name of the BEMIS inhouse format file of the shipment notification, which is being described in this documentation, is defined in the following way:

Direction	File name	Network directory
outgoing	LFAVIS.OUT	/appl_from
incoming	LFAVIS.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 seperated 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:

SHIPM	MENT NOTIFICATION 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	Descrip	otion of the field				
Key	Key fie	ld outgoing (O) / incoming (I)				
ST	Field st	atus mandatory (M) / conditional (C)				
FM	Field format					
	an14	alphanumerical field with a maximum of 14				
		characters				
	an14	alphanumerical field with exactly 14				
		characters				
	n10 numerical field with a maximum of 10 digits					
	numerical field with exactly 1 character					

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.

Mapping from Application Table Fields (Outcoming)				
Table Field	Action			

The second block of the table describes the corresponding table field for outgoing messages in BAAN IV as well as the possible special actions, which will be taken during the processing of the messages.

Mapping to Applica		
Table Field	Action	

The third block of the table describes the corresponding table field for incoming messages in BAAN IV as well as the possible special actions, which will be taken during the processing of the messages.

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

2 Shipment notification – record description

This chapter describes the record types which are used in the BAAN standard inhouse message format for shipment notifications according to VDA 4913 or ODETTE AVIEXP.

SA1 Message Overhead

Status: Mandatory

Frequency: Once by message

Description: This record supports the unambiguous identification of the

whole message.

SHIPMENT NOTIFICATIONS INHOUSE FORMAT			Mapping from Application Table Fields (out)		Mapping to Application Fields (in)			
Pos	FIELD DESCRIPTION	Key	ST	FM	Table Field	Action	Table Field	Action
1	Record type	O/I	М	an3	SA1		SA1	
	(Satzart)							
2	Message reference	O/I	М	an14	tcedi701.bano	Generation	tcedi702.bano	Generation
	(Nachrichten referenz)					(see below)		by EDI subsystem
3	Network address customer / supplier	O/I	M	an17	tcedi028.neta	Conversion (see below)	tcedi702.reno	Conversion (see below)
	(Netzwerkadresse Kunde / Lieferant)							
4	Our Identification in the network		M	an17	tcedi020.neta	Conversion (see below)	empty	
	(Unsere Identifikation im Netzwerk)							
5	Message		М	an6	tcedi001.code	Conversion	tcedi702.mess	
	(Nachricht)					(see below)		(see below)
6	Organization		М	an6	tcedi003.code	Conversion	tcedi702.orga	Conversion
	(Organisation)					(see below)		(see below)
7	Order type		М	an35	tcedi011.koor	Conversion	tcedi702.koor	Conversion
	(Auftragsart)					(see below)		(see below)
8	Order reference (Auftragsreferenz)		М	an35	empty	not filled at the moment (;"";)	tcedi702.msno	Conversion (see below)
9	Shipping date		М	n6	current date		tcedi702.send	
	(Sendedatum)							
10	Shipping time		М	n4	current time		tcedi702.sent	
	(Sendezeit)							
11	Transfer code old		М	an14	empty	not filled at	tcedi702.prno	
	(Übertragungs nummer alt)					the moment (;"";)		
12	End of record sign		М	an7	SA1_END		SA1_END	
	(Satzendekennung)							

Detailed description of Shipment Notification, record type SA1 Overhead

Position	1	Field format	an3	Field status	M
Field name		Record type		(key field out/i	in)

Description:

This field identifies the record type 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	an14	Field status	M
Field name		Message refere	ence	(key field out/in	1)

Description:

This field identifies all connected records of one shipment notification. The message reference has to be unambiguous by shipment notification. The numbering helps to control the chronological order of the shipment notifications and the complete transfer. The field consists of a fix part with four characters, the current date in the format YYMMDD and a serial number with four characters.

The special format is 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 controls whether it is specific.

Processing outgoing

EDI subsystem:

BAAN:

BAAN generates this number to identify a shipment notification, stores it in the BAAN table field tcedi701.bano and writes it into all records of a shipment notification.

Processing incoming

EDI subsystem: The EDI subsystem generates this number to identify a

shipment notification and writes it into all records of a

shipment notification.

BAAN: Mapping of the BAAN field TFtcedi702.bano to BAAN.

Position	3	Field format	an17	Field status	M
Field name	Netw	vork address custo	mer / sup	plier (k	ey field out/in)

Description: This field contains on the outgoing side the network address of

the supplier and on the incoming side the network address of

the customer.

Processing outgoing

EDI subsystem:

BAAN: The network address is stored in the BAAN table tcedi028

'Relations by network' under the corresponding business partner (supplier) and the corresponding network in the BAAN field TFtcedi028.neta. The contents of this field is mapped to

the position of the transfer file.

Processing incoming

EDI subsystem:

BAAN: The network address determines the corresponding business

partner (customer) and the network in the BAAN table TBtcedi028 'Relations by network'. This identification is

mapped to the BAAN field TFtcedi702.reno.

Position	4	Field format	an17	Field status	M
Field name		Our identifica	tion in the	e network	

Description:

This field contains on the outgoing side our identification

(customer) in the network.

Processing outgoing

EDI subsystem:

BAAN:

The identification of the customer in the used network is entered in the BAAN table tcedi020 'Networks'. The

BAAN field TFtcedi028.neta is mapped to this position.

Processing incoming

EDI subsystem: Transfer of the value from the message file.

BAAN: On the incoming side this field is ignored.

Position	5	Field format	an6	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 'LFAVIS'.

Processing outgoing

EDI subsystem:

BAAN: The internal message code tcedi001.code 'LFAVIS' of the

BAAN table tcedi001 'Supported EDI Messages' is mapped

to this position.

Processing incoming

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

BAAN: The message code in the BAAN table tcedi001 'Supported

EDI Messages' determines, which internal message is connected to this BEMIS shipment notification. In the BAAN

table tcedi005 'EDI Messages' is determined for every message, which session (Dll) is used in BAAN to process the BEMIS shipment notification. The message code is mapped to

the BAAN field TFtcedi702.mess.

Position	6	Field format	an6	Field status	M
Field name		Organization			

Description: This field contains the organization (Standard/Norm), which is

used for the EDI communication.

Processing outgoing

EDI subsystem:

BAAN: The internal organisation code tcedi003.code 'BEMIS' from

the BAAN table tcedi003 'Organizations' is mapped to this

position.

Processing incoming

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

BAAN: Mapping to BAAN field TFtcedi702.orga.

The corresponding organization must have been entered into

the BAAN table tcedi003.

Position	7	Field format	an35	Field status	M	
Field name		Order type				

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

Processing outgoing

EDI subsystem:

BAAN: In BAAN table tcedi011 there must be an entry for this

order type in connection with the appropriate message and organization. The BAAN field TFtcedi011.koor is mapped to

this position. It contains the code 4913 (...; "4913";...).

Processing incoming

EDI subsystem: The value 4913 is entered in this field (...; "4913";...).

BAAN: Mapping to BAAN field TFtcedi702.koor.

In BAAN table tcedi200 there must be an entry for this order type in connection with the appropriate message and

organization.

Position	8	Field format	an35	Field status	M
Field name		Order referen	ce		

Description: This field contains a code for the order reference.

Processing outgoing

EDI subsystem:

BAAN: The position will not be filled; here (...;"";...).

Processing incoming

EDI subsystem: Transfer of the value from the transfer file.

BAAN: Mapping to BAAN field TFtcedi702.msno

Position	9	Field format	n6	Field status	M
Field name		Shipping date			
Description:	which field Subst	field contains on the the message was contains the arrival system. The date is contain.	created. (On the incoming she message at the	side, this EDI

Processing outgoing

EDI subsystem:

BAAN: Mapping of the current date to the position.

Processing incoming

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

BAAN: Mapping to BAAN field TFtcedi702.send.

Position	10	Field format	n4	Field status	M
Field name		Shipping time			

Description: This field contains on the outgoing side the time, when the

message was created. On the incoming side, the field contains the arrival time of the message at the EDI subsystem. The

time is displayed in the following format: HHMM.

Processing outgoing

EDI subsystem:

BAAN: Mapping of the current time to the position.

Processing incoming

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

BAAN: Mapping to BAAN field TFtcedi702.send

Position	11	Field format	an14	Field status	M
Field name		Transfer code o	old		

Description: This field contains the reference number of the previous

transfer.

Processing outgoing

EDI subsystem:

BAAN: The position will not be filled; here (..;"";..).

Processing incoming

EDI subsystem: Transfer of the value from the transfer file.

BAAN: Mapping to BAAN field TFtcedi702.prno

Position	12	Field format	an7	Field status	M
Field name		End of record si	ign		

Description: This field indicates the end of the record. It contains the

fixed value 'SA1_END'.

Processing outgoing

EDI subsystem:

BAAN: The field is filled with the fixed value 'SA1_END'.

Processing incoming

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

BAAN: None

SA2 Loading header

Status: Mandatory

Frequency: Once by message

Description: This record type is used to transfer data concerning

transportation. It contains information about the shipment identification as well as information about the transport. For a shipment notification this record type is available only once. All the records, which follow up to the next record of the type

SA2, refer to the same shipment notification.

SHIP	SHIPMENT NOTIFICATION INHOUSE FORMAT			RMAT		Mapping from Application Table Fields (out)		pplication
Pos	FIELD DESCRIPTION	Key	ST	FM	Table Field	Action	Table Field	Action
1	Record type (Satzart)	O/I	М	an3	SA2		SA2	
2	Message reference (Nachrichtenreferenz)	O/I	M	an14	tcedi701.bano	Generation (see below)	tcedi702.bano	Generation by EDI subsystem
3	Network address customer / supplier	O/I	M	an17	tcedi028.neta	Conversion (see below)	tcedi702.reno	Conversion (see below)
	(Netzwerkadresse Kunde / Lieferant)							
4	MBOL-Number	O/I	М	n9	tdssc045.mbol		tdpsc040.load	
	(Sendungs-Ladungs- Bezugsnummer)							
	Number, which the consigner assigns to the shipment/load.							
5	Freight forwarder (<i>Frachtführer</i>)		M	an14	tdssc045.cfrw	Conversion (see below)		
	Name or number of the business partner, who carries out the transport.							

6	Freight forwarder – transfer date	М	n6	tdssc045.cdat		tdpsc040.cdat
	(Frachtführer – Übergabedatum)					
	Date of shipment transfer to freight forwarder.					
7	Freight forwarder – transfer time	М	n4	tdssc045.ctim		tdpsc040.ctim
	(Frachtführer – Übergabezeit)					
8	Gross shipment weight	M	n15	tdssc045.wght		
	(Sendungsgewicht brutto)					
9	Net shipment weight	С	n7		not filled at	
	(Sendungsgewicht netto)				the moment (;;)	
	Fixed value					
10	Postage code	С	an2	tdssc045.term		
	(Frankatur-Schlüssel)					
11	Number of packages	С	an4		not filled at	tdpsc040.iedi(
	(Anzahl Packstücke)				the moment (;;)	1)
	Total of all packages of				1 load unit	
	one shipment.				equals	
					1 package	
12	Transport unit code	М	an2	tdssc045.trmd		tdpsc040.iedi(
	(Transportmittel- Schlüssel)					2)
13	Transport unit number	M	an10	tdssc045.vhid		tdpsc040.vhid
	(Transportmittel- Nummer)					
	Enter pol. identification if transport unit code = 1					
14.	EDI-Code (supplier/ELP)	С	an1		not filed at the moment	
	(Lagerhalter-Schlüssel)				(;"";)	
	Fixed value					

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15.	Shipment identification (Lieferungskennung) Fixed value	С	an1		not filled at the moment (;"";)	
16.	End of record sign (Satzendekennung)	М	an7	SA2_END		SA2_END

Detailed description of Shipment Notification, record type SA2 Loading header

Position	1	Field format	an3	Field status	M
Field name		Record type		(key field out/i	n)

Description: The field identifies the record type in the message block. It

contains the fixed value 'SA2'.

Processing outgoing

EDI subsystem: None

BAAN: The position is filled with the fixed value 'SA2'.

Processing incoming

EDI subsystem: The position is filled with the fixed value 'SA2'.

BAAN: None

Position	2	Field format	an14	Field status	M
Field name		Message refere	ence	(key field out/in)	

Description:

This field identifies all connected records of one shipment notification. The message reference has to be unambiguous by shipment notification. The numbering helps to control the chronological order of the shipment notifications and the complete transfer. The field consists of a fix part with four characters, the current date in the format YYMMDD and a serial number with four characters.

The special format is defined in the network parameters in 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 controls whether it is specific.

Processing outgoing

EDI subsystem:

BAAN: The BAAN system generates this number to identify a

shipment notification, stores it in the BAAN table field TFtcedi701.bano and writes it into all records of a shipment

notification.

Processing incoming

EDI subsystem: The EDI subsystem generates this number to identify a

shipment notification and writes it into all records of a

shipment notification.

BAAN: Mapping to BAAN field TFtcedi702.bano.

Position	3	Field format	an17	Field sta	tus	M
Field name	Networ	k adress custome	r / suppl	ier	(key fie	ld out/in)

Description: This field contains on the outgoing side the network address of

the supplier and on the incoming side the network address of

the customer.

Processing outgoing

EDI subsystem:

BAAN: The network address is stored in the BAAN table tcedi028

'Relations by network' under the corresponding business partner (supplier) and the corresponding network in the BAAN field TFtcedi028.neta. The contents of this field is mapped to

the position of the transfer file.

Processing incoming

EDI subsystem:

BAAN: The network address determines the corresponding business

partner (customer) and the network in the BAAN table TBtcedi028 'Relations by network'. This identification is

mapped in the BAAN field TFtcedi702.reno.

Position	4	Field format	n9	Field status	M
Field name		MBOL-Numb	er		

Description: The Master Bill of Lading-Number (Sendungs-Ladungs-

Bezugs-Nummer) is the number which the consigner assigns to

the shipment/load.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc045.mbol to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.load

Position	5	Field format	an14	Field status	M
Field name		Freight forward	ler		

Description: Name or number of the business partner who carries out the

transportation.

The field contains an alphanumerical code with a maximum of

14 characters.

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of BAAN field TFtdssc045.cfrw to position. Used

code and conversion table: TBtcedi456 (Conversion of

Forwarding Agents)

Processing incoming

EDI subsystem: None

BAAN: None

Position	6	Field format	n6	Field status	M
Field name		Freight forwar	der – Tra	ansfer date	

Description: Date of shipment transfer to freight forwarder.

This field contains a numerical date with a maximum of 6 digits. The date is displayed in the following format: *YYMMDD*.

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of BAAN field TFtdssc045.cdat to position.

Processing incoming
EDI subsystem: None

BAAN: Mapping of field value in BAAN field TFtdpsc040.cdat

Position	7	Field format	n4	Field status	M
Field name		Freight forward	ler – Tra	nsfer time	

Description: Time of shipment transfer to freight forwarder.

This field contains a numerical time with a maximum of 4 digits. The time is displayed in the following form: *HHMM*.

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of BAAN field TFtdssc045.ctim to position.

Processing incoming
EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.ctim

Position	8	Field format	n15	Field status	M
Field name		Gross shipmer	nt weight		

Description: Describes the gross weight of the shipment.

The field contains numerical code for the gross weight. The code is displayed in the following format:

NNNNNNNNNNNN.NNN.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc045.wght to position.

Processing incoming
EDI subsystem: None

BAAN: None

Position 9 Field format n..7 Field status C
Field name Net shipment weight

Description: Describes the net weight of the shipment.

This field contains numerical code for the net weight. It is not

used, as there are no information in BAAN available.

Processing outgoing

EDI-Subsystem: None

BAAN: This position will not be filled, here (...;...)

Processing incoming
EDI subsystem: None

BAAN: None

Position	10	Field format	an2	Field status	С		
Field name		Postage code					
Description:	This fie	eld indicates how	to frank t	the shipment (unt	franked,)		
	01 = ur 02 = fr 03 = fr 04 = fr 05 = fr	nins a unique alph infranked (unfrei) ee destination (fra ee to the door (fra ee German borde ee receiving carri pecial postage (So	ei Bestimr ei Haus) r (frei dev er (frei Ei	nungsort) ıtsche Grenze) mpfängsspediteur	r)		
	These codes have to be entered into the SCH basis tables in menu tdssc0189m000.						
Processing outgo	oing						
EDI-Subsystem:	None						
BAAN:	Mappi	ng of BAAN field	l TFtdssc	045.term to posit	ion.		
Processing incom	ning						
EDI subsystem:	None						
BAAN:	None						
Position	11	Field format	an4	Field status	C		

Description: This field contains the number of packages of one shipment.

Number of packages

One load unit equals one package.

It contains an alphanumerical code for the number.

Processing outgoing

Field name

EDI-Subsystem: None

BAAN: This position will not be filled, here (..;"";..)

Processing incoming

EDI subsystem: None

BAAN: Mapping field value to TFtdpsc040.iedi (1).

Definition of BEMIS 1.0a Import and Export File for the Message Type Shipment Notification 2-16

Position	12	Field format	an2	Field status	M						
Field name	Transportation unit code										
Description:	vehic 01 = v 02 = 1 06 = 1 07 = 1 08 = v 09 = 1 11 = s	Tield contains the include the code consists whicle identification in the code consists which is a code on the code of the cod	sts of 2 alp ion (KFZ- Bordero-Ner (Stückş r (Express Waggon-N Postpaket- 'or airbill ') name)	ohanumerical cha Kennzeichen) Vummer) gut-Nummer) gut-Nummer) vummer) -Nummer) number (Flug-Na	racters.						

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of BAAN field TFtdssc045.trmd to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdssc040.iedi(2).

Position	13	Field format	an10	Field status	M
Field name		Transportation	n unit nur	nber	

Description: This field contains the number of a used vehicle. For example

for the code '1' (vehicle) the registration number. It consists of

an alphanumerical code.

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of BAAN field TFtdssc045.vhid to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.vhid.

Position 14 Field format an..1 Field status C
Field name EDI-Code (supplier/ELP)

Description: This field contains the identification of the supplier (ELP) / storekeeper.

It contains the following values:

Blank EDI by supplier

EDI by ELP

EDI by freight forwarder

Processing outgoing

EDI subsystem:

BAAN: This position will not be filled, here: (..;"";...).

Processing incoming

EDI subsystem: None BAAN: None

Position 15 Field format an..1 Field status C
Field name Delivery code

Description: This field identifies a certain delivery type.

It contains the following values:

Blank default delivery (Standardlieferung)

J Just-in-time-delivery (JIT-Lieferung)

E express delifery (Expreßlieferung)

Processing outgoing

EDI subsystem:

BAAN: The position will not be filled; here (..;"";..).

Processing incoming

EDI subsystem: None

BAAN: None

Position	16	Field format	an7	Field status	M	
Field name		End of record	sign			

Description: This field identifies the end of the record.

'SA2_END'

Processing outgoing

EDI subsystem: None

BAAN: Mapping of value 'SA2_END' to position.

Processing incoming

EDI subsystem: Mapping of value 'SA2_END' to position.

BAAN: None

SA3 Shipping Note Header

Status: Mandatory

Frequency: Repeatable by shipment

Description: This record type supports the transfer of shipping note data to a

shipment. This record type is applied several times to one

shipment.

SHIPMENT NOTIFICATION INHOUSE FORMAT			Mapping from Application Table Fields (out)		Mapping to Application Fields (in)			
Pos	FIELD DESCRIPTION	Key	ST	FM	Table Field	Action	Table Field	Action
1	Record type	O/I	М	An3	SA3		SA3	
	(Satzart)							
2	Message reference	O/I	М	An14	tcedi701.bano	Generation	tcedi702.bano	Generation
	(Nachrichtenreferenz)					(see below)		by EDI subsystem
3	Network address customer / supplier		M	An17	tcedi028.neta	Conversion (see below)	tcedi702.reno	Conversion (see below)
	(Netzwerkadresse Kunde / Lieferant)							
4	MBOL-Number	O/I	М	n9	tdssc045.mbol		tdpsc040.load	
	(Sendungs-Ladungs- Bezugsnummer)							
	Number, which the consigner assigns to the shipment/load.							
5	Shipping note number	O/I	M	n9	tdssc017.ides		tdpsc040.ides	
	(Lieferschein-Nr.)							
6	Supplier code		С	An15	tccom010.osn		tdpsc040.suno	
	(Lieferantennummer)				0			
7	Arrival date planned		С	n6	tdssc046.idat		tdpsc040.idat	
	(Eintreffdatum Soll)							
	Defined by the customer							

8	Arrival time planned	С	n4	tdssc046.itim		tdpsc040.itim
	(Eintreffzeit Soll)					
9	Due date	С	n6	tdssc046.exdt		
	(Fälligkeitsdatum)					
10	Due time	С	n4	tdssc046.exti		
	(Fälligkeitszeit)					
11	Planned delivery date	С	n6	tdssc046.ddat		tdpsc040.ddat
	(Geplantes Lieferdatum)					
12	Planned delivery time	С	n6	tdssc046.dtim		tdpsc040.dtim
	(Geplante Lieferzeit)					
13	Shipping date	М	n6	tdssc017.ddat		
	(Versanddatum)					
14	Delivery point	М	An20	tdssc002.delp		
	(Abladestelle)					
15	Shipping type	М	An2	tdssc017.trmd		
	(Versandart)					
16	Transaction code	С	An1		not filled at	
	(Vorgangsschlüssel)				the moment (, "";)	
	Fixed value				····, ····· <i>j</i>	
17	Site customer	М	An3	tdssc002.plnt		tdpsc040.tprf
	(Werk Kunde)					
18	Consignee code	С	An1		not filled at	
	(Warenempfänger				the moment (;"";)	
	Nr.)				\···, , ··/	
40	Fixed value	_	A C	4-1047		
19	Storage location customer	С	An3	tdssc017.dock		tdpsc040.iedi(3)
	(Lagerort Kunde)					
20	Line feed location	С	An14		not filled at	
	(Verbrauchsstelle)				the moment (;"";)	
	Fixed value				(, ,)	
21	Processing identification	M	An1		not filled at the moment	tdpsc040.proc
	(Verarbeitungs kennzeichen)				(;"1";)	
	Fixed value "1"					

22 End of record sign M An7
(Satzende kennzeichen)
Fixed value
"SA3_END"

Detailed description of Shipment notification, record type SA3 Shipping note header

Position	1	Field format	an3	Field status	M
Field name		Record type		(key field out/i	n)

Description: This field identifies the record type in the message block.

It contains the fixed value 'SA3'.

Processing outgoing

EDI subsystem: None

BAAN: The position is filled with the fixed value 'SA3'.

Processing incoming

EDI subsystem: The position is filled with the fixed value 'SA3'.

BAAN: None

Position	2	Field format	an14	Field status	M
Field name		Message referen	ıce	(key field out/in)	

Description:

This field identifies all connected records of one shipment notification. The message reference has to be unambiguous by shipment notification. The numbering helps to control the chronological order of the shipment notifications and the complete transfer. The field consists of a fix part with four characters, the current date in the format YYMMDD and a serial number with four characters.

The special format is defined in the network parameters in 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 controls whether it is specific.

Processing outgoing

EDI subsystem:

BAAN: BAAN generates this number to identify a shipment

notification, stores it in the BAAN table field tcedi701.bano and writes it into all records of a shipment notification.

Processing incoming

EDI subsystem: The EDI subsystem generates this number to identify a

shipment notification and writes it into all records of a

shipment notification.

BAAN: Mapping to BAAN field TFtcedi702.bano.

Position	3	Field format	an17	Field status	M
Field name	Netv	vork address custo	mer / sup	plier (key	field out/in)
Description:	the s	field contains on thupplier and on the iustomer.			

Processing outgoing

EDI subsystem:

BAAN: The network address is stored in the BAAN table tcedi028

'Relations by network' under the corresponding business partner (supplier) and the corresponding network in the BAAN field TFtcedi028.neta. The contents of this field is mapped to

the position of the transfer file.

Processing incoming

EDI subsystem:

BAAN: The network address determines the corresponding business

partner (customer) and the network in the BAAN table TBtcedi028 'Relations by network'. This identification is

mapped to the BAAN field TFtcedi702.reno.

Position	4	Field format	n9	Field status	M
Field name		MBOL-Number	r		

Description: The Master Bill of Lading-Number (Sendungs-Ladungs-

Bezugs-Nummer) is the number which the consigner assigns to

the shipment/load.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc045.mbol to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.load.

Position	5	Field format	n9	Field status	M	
Field name		Shipping Note	Number			

Description: Describes the unambiguous identification of the shipping note.

This field contains an unambiguous shipping note number with

a maximum of 9 digits.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc017.ides to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.ides.

Position	6	Field format	an15	Field status	C	
Field name		Supplier code		(key field out/in)		

Description: This field contains the identification which a customer applies

to the supplier.

This is the identification code of the supplier.

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of BAAN field TFtccom010.osno to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.suno.

Position	7	Field format	n6	Field status	C	
Field name		Arrival date p	lanned			

Description: Defines the date at which the shipment arrives.

This field contains a numerical date with a maximum of 6 digits. The date is displayed in the following format:

YYMMDD.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc046.idat to position.

Processing incoming
EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.idat.

Position	8	Field format	n4	Field status	C
Field name		Arrival time pla	anned		

Description: Defines the time at which the shipment arrives. It is defined by

the customer. This field contains a numerical time with a maximum of 4 digits. The time is displayed in the following

format: 'HHMM'.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdpsc046.itim to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.itim.

Position	9	Field format	n6	Field status	C	
Field name		Due Date				

Description: Defines the date at which the shipment is required.

This field contains a numerical date with a maximum of 6 digits. The date is displayed in the following format:

YYMMDD.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc046.exdt to position.

Processing incoming
EDI subsystem: None
BAAN: None

Definition of BEMIS 1.0a Import and Export File for the Message Type Shipment Notification 2-26

Position	10	Field format	n4	Field status	C
Field name		Due time			

Description: Defines the time at which the shipment is required.

This field contains a numerical time with a maximum of 4 digits. The time is displayed in the following format: 'HHMM'.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdpsc046.exti to position.

Processing incoming
EDI subsystem: None
BAAN: None

Position	11	Field format	n6	Field status	C
Field name		Planned deliver	y date		

Description: Defines the date at which the shipment was/is planned.

This field contains a numerical date with a maximum of 6 digits. The date is displayed in the following format:

YYMMDD.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc046.ddat to position.

Processing incoming
EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.ddat.

Position	12	Field format	n4	Field status	C
Field name		Planned deliver	ry time		

Description: Defines the time at which the shipment was/is planned.

> This field contains a numerical time with a maximum of 4 digits. The time is displayed in the following format: 'HHMM'.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdpsc046.dtim to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.dtim.

Position	13	Field format	n6	Field status	M
Field name		Shipping date			

Description: Defines the date of the shipment.

> This field contains a numerical date with a maximum of 6 digits. The date is displayed in the following format:

'JJMMTT'

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdpsc017.ddat to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	14	Field format	an20	Field status	M
Field name		Delivery point			

Description: Describes the delivery point at the customer's site.

This field contains an alphanumerical code for the delivery

point.

Processing outgoing

EDI-Subsystem: None

BAAN: Splitting over reference in BAAN table tdssc018 (current

purchase shipment notification). Mapping of BAAN field TFtdssc002.delp to position. Note: In case of a VDA-Message,

this field is allowed to have a maximum length of an..5!

Processing incoming

EDI subsystem: None BAAN: None

Position	15	Field format	an2	Field status	M
Field name		Shipping type			

Description: Describes the key for the type of shipment.

This field contains an alphanumerical code which might be:

01 = truck subcontractor (*LKW Unterlieferant*)

02 = truck customer (LKW Kunde)

03 = truck carrier (LKW Spedition)

04 = truck rail (LKW Bahn)

05 = truck self (supplier) (*LKW eigen (Lieferant*))

06 = rail freight (*Bahn Fracht*) 07 = rail express (*Bahn Expreβ*)

 $08 = \text{rail waggon} (Bahn Waggon})$

09 = mail (Postsendung)

10 = air freight (*Luftfracht*)

11 = sea freight (*Seefracht*)

20 = private parcels service (*Privater Paketdienst*)

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of BAAN field TFtdssc017.trmd to position.

EDI subsystem: None

BAAN: None

Position 16 Field format an..1 Field status C
Field name Transaction code

Description: This field is reserved for later extensions.

It is not defined.

Processing outgoing

EDI-Subsystem: None

BAAN: This position will not be filled, here (...;"";...).

Processing incoming
EDI subsystem: None
BAAN: None

Position 17 Field format an..3 Field status M
Field name Site customer

Description: Describes the site of the customer.

This field contains the alphanumerical code for the site of the

customer.

Processing outgoing

EDI-Subsystem: None

BAAN: Splitting over reference in BAAN table tdssc018 (current

purchase shipment notification). Mapping of BAAN field

TFtdssc002.delp to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position 18 Field format an..1 Field status C
Field name Warenempfänger Nr.

Description: This field is reserved for later extensions.

It is not defined.

Processing outgoing

EDI-Subsystem: None

BAAN: This position will not be filled, here (...;"";...).

Processing incoming
EDI subsystem: None
BAAN: None

Position 19 Field format an..3 Field status M
Field name Storage location customer

Description: Describes the storage location of the customer, where the

shipment is stored.

This field contains an alphanumerical code.

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of BAAN field TFtdssc017.dock to position.

Processing incoming
EDI subsystem: None
BAAN: None

Position 20 Field format an..1 Field status C
Field name Line feed location

Description: This field is reserved for later extensions.

It is not defined.

Processing outgoing

EDI-Subsystem: None

BAAN: This position will not be filled, here (...;"";...).

EDI subsystem: None

BAAN: None

Position 21 Field format an..1 Field status M
Field name Processing identification

Description: This field controls the correct processing of incoming

messages in BAAN.

It is defined with the fixed value '1'.

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of fixed value '1' to position (...;"1";...).

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdssc040.proc.

Position 22 Field format an7 Field status M
Field name End of record sign

Description: This field indicates the end of the record.

'SA3_END'

Processing outgoing

EDI subsystem: None

BAAN: The field is filled with the fixed value 'SA3_END'.

Processing incoming

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

BAAN: None

SA4 Shipping Note Position

Status: Mandatory

Frequency: Repeatable by shipping note header

Description: This record type supports the transfer of position-specific

shipping note data. It is directly connected to the previous record type SA3 and can occur several times, but will occur at

least one time.

SHIP	MENT NOTIFICATION	N INHO	OUSE			Mapping from Application Table Fields (out)		plication			
Pos	FIELD DESCRIPTION	Key	ST	FM	Table Field	Action	Table Field	Action			
1	Record type	O/I	М	an3		Constant	SA2				
	(Satzart)					'SA4 "					
2	Message reference O	O/I	M	an14	tcedi701.bano	Generation	tcedi702.bano	Generation			
	(Nachrichten referenz)					(see below)		by EDI subsystem			
3	Network address supplier / customer		М	an17	tcedi028.neta	Conversion (see below)	tcedi702.reno	Conversion (see below)			
	(Netzwerkadresse Lieferant / Kunde)										
4	MBOL-Number	O/I	M	n9	tdssc045.mbol		tdpsc040.load				
	(Sendungs- Ladungs- Bezugsnummer)	.									
	Number, which the consigner assigns to the shipment/load.										
5	Shipping note number	O/I	M	n9	tdssc017.ides		tdpsc040.ides				
	(Lieferschein nummer)										
6	Position shipping note number	O/I	M	n3	tdssc018.pono		tdpsc041.pono				
	(Position Lieferschein nummer)										

7	Customer article code	М	an35	tdssc018.cpno		tdpsc041.item	
	(Sac <i>hnummer</i> Kunde)						
8	Supplier article code	М	an35	tdssc018.item		tdpsc041.cpno	
	(Sachnummer Lieferant)						
9	Country of origin	M	an3	tiitm001.ctyo	Conversion	tdpsc041.iedi(1)	
	(Ursprungsland)				(see below)		(see below)
10	Shipped quantity	M	n15	tdssc018.cqty		tdpsc041.cqty	
	(Liefermenge)						
11	Unit of shipped quantity	М	an3	tdssc018.cuqs	Conversion (see below)	tdpur041.cuqp	Conversion (see below)
	(Mengeneinheit)						
12	Customer order number (1)	С	an17	tdssc001.cono		tdpsc041.iedi(2)	
	(Kunden- Bestellnummer)						
13	Gross weight shipment position	С	n15	tdssc018.grwt		tdpsc041.grwt	
	(Bruttogewicht Sendungsposition)						
14	Shipment notification code	С	an1		not filled at the moment		
	(Abrufschlüssel)				(;"";)		
	Constant'						
15	Lot number	С	an1		not filled at		
	(Chargen-Nummer)				the moment:		
	Constant				(;"";)		
16	Use code	М	an1	tdssc018.appc		tdpsc041.iedi(3)	
	(Verwendungs schlüssel)						
17	Preference status	М	an1		Constant:		
	(Präferenzstatus)				(;"G";)		
	Constant						
18	Dutiable goods	М	an1		filled with		
	(Zollgut)				one blank as		
	Constant				fixed value		
					(;" ";)		

 $\begin{tabular}{ll} \textbf{Definition of BEMIS 1.0a Import and Export File for the Message Type Shipment Notification 2-34} \end{tabular}$

19	Key for changed item (Schlüssel Geänderte Ausführung)	M	an2	filled with one blank as fixed value (;" ";)
	Constant			
20	End of record sign	M	an7	Constant
	(Satzendekennung)			'SA4_END"
	Constant 'SA4_END"			

Detailed description of Shipment Notification, record type SA4 Shipping Note Position

Position	1	Field format	an3	Field status	M
Field name		Record type		(key field out/in)	

Description: This field identifies the record type in the message block.

It contains the fixed value 'SA4'.

Processing outgoing

EDI subsystem: None

BAAN: The position is filled with the fixed value 'SA4'.

Processing incoming

EDI subsystem: The position is filled with the fixed value 'SA4'.

BAAN None

Position	2	Field format	an14	Field status	M
Field name		Message referen	ıce	(key field out/in)	

Description:

This field identifies all connected records of one shipment notification. The message reference has to be unambiguous by shipment notification. The numbering helps to control the chronological order of the shipment notifications and the complete transfer. The field consists of a fix part with four characters, the current date in the format YYMMDD and a serial number with four characters.

The special format is defined in the network parameters in 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 controls whether it is specific.

Processing outgoing

EDI subsystem:

BAAN: BAAN generates this number to identify a shipment

notification, stores it in the BAAN table field tcedi701.bano and writes it into all records of a shipment notification.

Processing incoming

EDI subsystem: The EDI subsystem generates this number to identify a

shipment notification and writes it into all records of a

shipment notification.

BAAN: Mapping to BAAN field TFtcedi702.bano

Position	3	Field format	an17	Field sta	us M
Field name	Netwo	rk address custor	ner / sup	plier	(key field out/in)

Description:

This field contains on the outgoing side the network address of the supplier and on the incoming side the network address of the customer.

Processing outgoing

EDI subsystem:

BAAN:

The network address is stored in the BAAN table tcedi028 'Relations by network' under the corresponding business partner (supplier) and the corresponding network in the BAAN field TFtcedi028.neta. The contents of this field is mapped in the position of the transfer file.

Processing incoming

EDI subsystem:

BAAN:

The network address determines the corresponding business partner (customer) and the network in the BAAN table TBtcedi028 'Relations by network'. This identification is mapped in the BAAN field TFtcedi702.reno.

Position	4	Field format	n9	Field status	M
Field name		MBOL-Number	•		

Description: The Master Bill of Lading-Number (Sendungs-Ladungs-

Bezugs-Nummer) is the number which the consigner assigns to

the shipment/load.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc045.mbol to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.load

Position	5	Field format	n9	Field status	M		
Field name		Shipping note	Shipping note number				

Description: Describes the unambiguous identification of the shipping note.

This field contains an unambiguous shipping note number with

a maximum of 9 digits.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc017.ides to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.ides.

Position	6	Field format	n3	Field status	M
Field name		Shipping note n	umber p	osition	

Description: Describes the unambiguous identification of the shipping note

position.

This field contains an unambiguous shipping note position with

a maximum of 3 digits.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc018.pono to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to field tdpsc041.pono

Position	7	Field format	an35	Field status	M
Field name		Customer artic	ele code		

Description: Describes the identification of the item by the customer.

This field contains the alphanumerical item identification with

a maximum of 35 characters.

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of BAAN field TFtdssc018.cpno to position.

Processing incoming
EDI subsystem: None

BAAN: Mapping of field value to field tdpsc041.item.

Position	8	Field format	an35	Field status	M
Field name		Supplier articl	e code		
<u></u>					

Description: Describes the identification of the item by the supplier.

This field contains the alphanumerical item identification with

a maximum of 35 characters.

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of BAAN field TFtdssc018.item to position.

Processing incoming
EDI subsystem: None

BAAN: Mapping of field value to field tdpsc041.cpno.

Position	9	Field format	an3	Field status	M
Field name		Country of orig	in		

Description: This field contains the identification of the country of origin

for an item according to ODDC 6.

AT: Austria BE: Belgium CH: Switzerland

DE: Federal Republik of Germany

DK: Denmark ES: Spain FI: Finland FR: France

GB: United Kingdom

GR: Greece IE: Ireland IT: Italy LU: Luxembourg NL: Netherlands NO: Norway

PT: Portugal SE: Sweden TR: Turkey YU: Yugoslavia Processing outgoing

EDI-Subsystem: None

BAAN: Conversion of field value of BAAN field TFtiitm001.ctyo.

Mapping of conversion value to position.

Processing incoming

EDI subsystem: Conversion according to code table.

BAAN: Conversion of position value. Mapping of conversion value to

BAAN field TFtdpsc041.iedi (1).

Position 10 Field format n..15 Field status M
Field name Shipped quantity

Description: Describes the shipped quantity of the related shipment

notification position.

This field contains a numerical value for the shipped quantity.

It is displayed in the following format:

'NNNNNNNNNNNN.NNNN'.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc018.cqty to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to field tdpsc041.cqty.

Position 11 Field format an..3 Field status M
Field name Unit of shipped quantity

Description: This field contains the encoded measure of the shipped

quantity. The coding was carried out on the basis of ODETTE-

Standard ODDC 25: Millimeter MMT Centimeter CMT Meter MTR Kilometer KMT

Square millimeter MMK Square centimeter CMK Square meter MTK Cubic millimeter MMQ
Cubic centimeter CMQ
Cubic meter MTQ
Liter DMQ
Gram GRM
Kilogram KGM
Metric ton TON
Piece PCE

If you want to transfer additional units of measurement, you need to enter them in the session tcedi2130m000 'Maintain units' for the company **BEM**.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc041.cuqp to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to field tdpsc041.cuqp.

Position	12	Field format	an17	Field status	C	
Field name		Customer order	number	•		

Description: Describes the customer order number for the corresponding

position of the contract.

This field contains an alphanumerical code with a maximum of

17 characters.

Processing outgoing

EDI-Subsystem: None

BAAN: Mapping of BAAN field TFtdssc001.cono to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc041.iedi (2).

Position	13	Field format	n15	Field status	С
Field name		Gross weight	shipment	position	

Description: Describes the gross weight of the related shipment position.

This field contains a numerical value for the shipped quantity.

It is displayed in the following format:

'NNNNNNNNNNNN.NNNN'.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc018.grwt to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc041.grwt.

Position	14	Field format	an1	Field status	C
Field name		Shipment notifi	cation co	ode	

Description: This field is reserved for later extensions.

Processing outgoing

EDI subsystem: None

BAAN: This position is not filled at the moment, here (...;"";...).

Processing incoming
EDI subsystem: None

BAAN: None

Position	15	Field format	an1	Field status	C
Field name		Lot number			

Description: This field is reserved for later extensions.

Processing outgoing

EDI subsystem: None

BAAN: This Position ist not filled at the moment, here (...;"";...).

EDI subsystem: None

BAAN: None

Position 16 Field format an..1 Field status M
Field name Use Code

Description: Describes the usage of encoded shipment positions.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc018.appc to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc041.iedi (2).

Position 17 Field format an..1 Field status M
Field name Preference Status

Description: This field is reserved for later extensions.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of "G" to position: (...; "G";...).

Processing incoming

EDI subsystem: None

BAAN: None

Position	18	Field format	an1	Field status	M	
Field name		Dutiable Good	ls			

Description: This field is reserved for later extensions.

It will not be filled.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of one blank as fixed value to positon (...;" ";...).

Processing incoming

EDI subsystem: None BAAN: None

Position	19	Field format	an1	Field status	M
Field name		Key for chang	ed item		

Description: This field is reserved for later extensions.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of two blanks as fixed value to position:

(...;" ";...).

Processing incoming

EDI subsystem: None

BAAN: None

Position	20	Field format	an1	Field status	M
Field name		End of record	sign		

Description: This field identifies the end of the record.

Contents: 'SA4_END'

Processing outgoing

EDI-Subsystem: None

BAAN: The position is filled with the fixed value 'SA4_END'.

EDI subsystem: The position is filled with the fixed value 'SA4_END'.

BAAN: None

SA5 Packaging position

Status: Optional

Frequency: Repeatable by shipping note position

Description: This record type supports the transfer of position-specific

packaging data. It is directly connected to the previous record

type SA4 and can occur several times.

SHIP	MENT NOTIFICATION	INHOU	JSE F	ORMAT	• • •	Mapping from Application Table Fields (out)		plication
Pos	FIELD DESCRIPTION	Key	ST	FM	Table Field	Action	Table Field	Action
1	Record type	O/I	М	An3	SA5		SA5	
	(Satzart)							
2	Message reference	O/I	M	An14	tcedi701.bano	Generation	tcedi702.bano	Generation
	(Nachrichtenreferenz)					(see below)		by EDI subsystem
3	Network address supplier / customer		М	An17	tcedi028.neta	Conversion (see below)	tcedi702.reno	Conversion (see below)
	(Netzwerkadresse Lieferant / Kunde)							
4	MBOL-Number	O/I	M	n9	tdssc045.mbol		tdpsc040.load	
	(Sendungs-Ladungs- Bezugsnummer)							
	Number, which the consigner assigns to the shipment/load							
5	Shipping note number (shipping note header ssc017)	O/I	M	n9	tdssc017.ides		tdpsc040.ides	
	(Lieferschein-Nr.)							

6	Position shipping note number	O/I	M	n3	tdssc018.pono		tdpsc041.pono
	(Position Lieferscheinnummer)						
7	Packaging number customer		M	An35	tdssc019.item	Conversion (see below)	
	(Packmittelnummer Kunde)						
8	Packaging number supplier		M	An35	tdssc019.item		
	(Packmittelnummer Lieferant)						
9	Number packages		M	n6	tdssc019.puqt		
	(Anzahl Packmittel)						
10	Filling quantity		С	n15	tdssc019.cqty		
	(Füllmenge)						
11	Unit of shipped quantity		С	An3	tdssc018.cuqs		
	(Einheit Füllmenge)						
12	Serial number from		С	n6	tdssc019.pnof		
	(Packstücknummer von)						
13	Serial number to		С	n6	tdssc019.pnot		
	(Packstücknummer bis)						
14	Storage load factor		С	An1		not filled at	
	(Stapelfaktor)					the moment (;"";)	
15	Label identification		С	n1	tdssc019.lblc	(, ,)	
10	(Labelkennung)		J		10000010.1010		
16	Packaging identification		С	An1		not filled at the moment	
	(Verpackungs kennung)					(;"";)	
17	Property identification		С	An1		not filled at	
	(Eigentumskennung)					the moment (;"";)	
.18	End of record sign (Satzendekennung) Constant 'SA5_END"		M	An7			

Detailed description of Shipment Notification, record type SA5 Packaging Position

Position	1	Field format	an3	Field status	M
Field name		Record type		(key field out/i	in)

Description: This field identifies the record type in the message block.

It contains the fixed value 'SA5'.

Processing outgoing

EDI subsystem: None

BAAN: The position is filled with the fixed value 'SA5'.

Processing incoming

EDI subsystem: The position is filled with the fixed value 'SA5'.

BAAN: None

Position	2	Field format	an14	Field status	M
Field name		Message refere	nce	(key field out/in)	1

Description:

This field identifies all connected records of one shipment notification. The message reference has to be unambiguous by shipment notification. The numbering helps to control the chronological order of the shipment notifications and the complete transfer. The field consists of a fix part with four characters, the current date in the format YYMMDD and a serial number with four characters.

The special format is defined in the network parameters in 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 controls whether it is specific.

Processing outgoing

EDI subsystem:

BAAN:

BAAN generates this number to identify a shipment notification, stores it in the BAAN table field tcedi701.bano and writes it into all records of a shipment notification.

EDI subsystem: The EDI subsystem generates this number to identify a

shipment notification and writes it into all records of a

shipment notification.

BAAN: Mapping to BAAN field TFtcedi702.bano

Position	3	Field format	an17	Field statu	ıs M
Field name	Netwo	rk address custoi	ner / sup _]	plier (key field out/in)

Description: This field contains on the outgoing side the network address of

the supplier and on the incoming side the network address of

the customer.

Processing outgoing

EDI subsystem:

BAAN: The network address is stored in the BAAN table tcedi028

'Relations by network' under the corresponding business partner (supplier) and the corresponding network in the BAAN field TFtcedi028.neta. The contents of this field is mapped in

the position of the transfer file.

Processing incoming

EDI subsystem:

BAAN: The network address determines the corresponding business

partner (customer) and the network in the BAAN table TBtcedi028 'Relations by network'. This identification is

mapped to the BAAN field TFtcedi702.reno.

Position	4	Field format	n9	Field status	M
Field name		MBOL-Number	r		

Description: The Master Bill of Lading-Number (Sendungs-Ladungs-

Bezugs-Nummer) is the number which the consigner assigns to

the shipment/load.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc045.mbol to position.

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.load

Position 5 Field format n..9 Field status M
Field name Shipping Note Number

Description: Describes the unambiguous identification of the shipping note.

This field contains an unambiguous shipping note number with

a maximum of 9 digits.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc017.ides to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc040.ides.

Position 6 Field format n..3 Field status M
Field name Position Shipping Note Number

Description: Describes the unambiguous identification of the shipping note

position.

This field contains an unambiguous shipping note position with

a maximum of 3 digits.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc019.pono to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdpsc041.pono

Position	7	Field format	an35 Field status	M
Field name		Packaging Nu	mber Customer	

Description: Describes the number, the customer assigned to the packaging.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc019.item to position after

conversion of item codes to customer item codes.

Processing incoming

EDI subsystem: None BAAN: None

Position	8	Field format	an35	Field status	M
Field name		Packaging nur	nber supp	olier	

Description: Describes the number, the supplier assigned to the packaging.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field TFtdssc019.item to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	9	Field format	n6	Field status	M	
Field name		Number packa	aging			

Description: Describes the number of used packaging.

Contains a numerical code for the number of packaging. It is

displayed in the following format: 'NNNNNN'.

Processing outgoing

EDI subsystem: None BAAN: None

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdssc019.puqt.

Position 10 Field format n..15 Field status C
Field name Filling quantity

Description: Describes the filling quantity of a packaging.

Contains a numerical code for the filling quantity. It is

displayed in the following format: 'NNNNNNNNNNNNNNN'.

Processing outgoing

EDI subsystem: None
BAAN: None
Processing incoming
EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdssc019.cqty.

Position 11 Field format an..3 Field status C
Field name Unit of shipped quantity

Description: This field contains the encoded measure of quantity, in which

the item is displayed. The coding was carried out on the basis

of ODETTE-Standard ODDC 25:

Millimeter MMT Centimeter CMT Meter MTR Kilometer KMT

Square millimeter MMK Square centimeter CMK Square meter MTK Cubic millimeter MMQ Cubic centimeter CMQ Cubic meter MTQ

Liter DMQ Gram GRM Kilogram KGM Metric ton TON Piece PCE

If you want to transfer additional units of measurement, you need to enter them in the session tcedi2130m000 'Maintain units' for the company **BEM**.

Processing outgoing

EDI subsystem: None
BAAN: None
Processing incoming
EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdssc018.cups.

Position	12	Field format	n6	Field status	С
Field name		Serial Number	from		

Description: Describes the first internal serial number (from) of the

shipment.

Contains a numerical code with a maximum of 6 digits for the

packaging.

Processing outgoing

EDI subsystem: None
BAAN: None.
Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdssc019.pnof.

Position 13 Field format n..6 Field status C
Field name Serial number to

Description: Describes the last internal serial number (to) of the shipment.

Contains a numerical code with a maximum of 6 digits for the

packaging.

Processing outgoing

EDI subsystem: None
BAAN: None
Processing incoming
EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdssc019.pnot.

Position 14 Field format an..1 Field status C
Field name Storage load factor

Description: This field is reserved for later extensions.

Processing outgoing

EDI subsystem: None

BAAN: This position is not filled at the moment, here (...;"";...).

Processing incoming

EDI subsystem: None

BAAN: None

Position	15	Field format	n1	Field status	C	
Field name		Label Identifi	cation			

Description: Barcode identification of the goods label.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of field value to BAAN field TFtdssc019.lblc.

BAAN writes 0 = empty BAAN writes 1 = means G BAAN writes 2 = means S BAAN writes 3 = means M

Processing incoming

EDI subsystem: None BAAN: None

Position	16	Field format	an1	Field status	C
Field name		Packaging ide	ntificatio	1	

Description: This field is reserved for later extensions.

Processing outgoing

EDI subsystem: None

BAAN: This position is not filled at the moment, here (...;"";...).

Processing incoming

EDI subsystem: None

Position	17	Field format	an1	Field status	С
Field name		Property ident	tification		

Description: This field is reserved for later extensions.

Processing outgoing

EDI subsystem: None

BAAN: This position is not filled at the moment, here (...;"";...).

Processing incoming
EDI subsystem: None

BAAN: None

Position 18 Field format an..7 Field status M
Field name End of Record Sign

Description: The field identifies the end of the record.

Contents: 'SA5_END'

Processing outgoing

EDI subsystem: None

BAAN: The position is filled with the fixed value 'SA5_END'.

Processing incoming

EDI subsystem: The position is filled with the fixed value 'SA5_END'.

BAAN: None

3 Sample file incoming/outgoing message

"SA1";"F8009711200074";"100";"F800";"LFAVIS";"BEMIS";"4913";"";97112 0;0938;"";"SA1 END"

"SA2";"F8009711200074";"100";200003;"";971110;0;13.16;;"01";"";"01";"";"";"";"";"SA2 END"

"SA3";"F8009711200074";"100";200003;800903;"8569112";971110;0;971110;0;971110;1400;971110;"";"01";"";"";"";"";"1";"SA3_END"

"SA4";"F8009711200074";"100";200003;800903;10;"34";"8384200";"";1;"PCE ";"100060";6.58;"";"";"";"";"";"SA4_END"

"SA5";"F8009711200074";"100";200003;800903;10;"PALLET";"PALLET";1;1;
"PCE";0;0;"":0;"";";"SA5 END"

"SA3";"F8009711200074";"100";200003;800904;"8569112";971110;0;971110;0;971110;1600;971110;"";"01";"";"";"";"";"";"1";"SA3_END"

"SA4";"F8009711200074";"100";200003;800904;10;"34";"8384200";"";1;"PCE ";"100060";6.58;"";"";"";"";"";"SA4_END"

"SA5";"F8009711200074";"100";200003;800904;10;"PALLET";"PALLET";1;1;
"PCE";0;0;"";0;"";"";"SA5_END"

"SA1";"F8009711200075";"BMW123";"F800";"LFAVIS";"BEMIS";"4913";""; 971120;0938;""; "SA1 END"

"SA2";"F8009711200075";"BMW123";100119;"012";970822;1500;3;;"01";"";" 01";"HH-J-9981";"";"";"SA2_END"

"\$A3";"F8009711200075";"BMW123";100119;300012;"12208910";970822;0;970822;0;970822;0;970822;"Tor 1";"";"";999";"";"";"";"";"SA3_END"

"SA4";"F8009711200075";"BMW123";100119;300012;10;"BMW-MB2";"MB2";"DE";1200;"KGM";"007025-510-mb2";6;"";"";"";"";"";"";SA4_END"

"SA5";"F8009711200075";"BMW123";100119;300012;10;"PALLET";"PALLE T";3;400;"KGM";0;0;"";0;"";"";"SA5_END"

"SA5";"F8009711200075";"BMW123";100119;300012;10;"KLT4316";"KLT43 16";12;100;"KGM";0;0;"";0;"";";"SA5_END"

- "SA4";"F8009711200075";"BMW123";100119;300012;20;"007025-MB1";"MB1";"DE";600;"KGM";"007025-MB1";3;"";"";"";"";"";"";"SA4 END"
- "SA5";"F8009711200075";"BMW123";100119;300012;20;"BOX";"BOX";3;100
 ;"KGM";0;0;"";0;"";"SA5_END"
- "SA5";"F8009711200075";"BMW123";100119;300012;20;"PALLET";"PALLE T";2;100;"KGM";0;0;"";0;"";"";"SA5_END"
- "SA5";"F8009711200075";"BMW123";100119;300012;20;"BOX";"BOX";6;100
 ;"KGM";0;0;"";0;"";"SA5_END"
- "SA5";"F8009711200075";"BMW123";100119;300012;20;"BOX";"BOX";2;10; "KGM";0;0;"";0;"";"";"SA5_END"
- "SA5";"F8009711200075";"BMW123";100119;300012;20;"PALLET";"PALLE T";0;0;"KGM";0;0;"";0;"";"";"SA5_END"
- "SA5";"F8009711200075";"BMW123";100119;300012;20;"BOX";"BOX";3;100
 ;"KGM";0;0;"";0;;"";"SA5 END"
- "SA1";"F8009711200076";"BMW123";"F800";"LFAVIS";"BEMIS";"4913";""; 971120;0938;"";"SA1_END"
- "SA2";"F8009711200076";"BMW123";100120;"012";970825;1500;0;;"01";"";" 01";"HH-J-9981";"";"";"SA2_END"
- "SA3";"F8009711200076";"BMW123";100120;300013;"12208910";970825;0;970825;0;970825;0;970825;"Tor1";"";"";"999";"";"";"";"1";"SA3_END"
- "SA4";"F8009711200076";"BMW123";100120;300013;10;"007025-MB1";"MB1";"DE";200;"KGM";"007025-MB1";1;"";"";"";"";"";"";"";"";"SA4_END"
- "SA5";"F8009711200076";"BMW123";100120;300013;10;"KLT4316";"KLT43 16";1;100;"KGM";0;0;"";0;"";"";"SA5_END"
- "SA5";"F8009711200076";"BMW123";100120;300013;10;"PALLET";"PALLE T";1;100;"KGM";0;0;"";0;"";"";"SA5_END"
- "SA1";"F8009711200077";"BMW123";"F800";"LFAVIS";"BEMIS";"4913";""; 971120;0938;"";"SA1_END"
- "SA2";"F8009711200077";"BMW123";100121;"012";970825;1600;2.5;;"01";""; "01";"HH-J-9981";"";"SA2_END"
- "SA3";"F8009711200077";"BMW123";100121;300014;"12208910";970825;0;9 70825;1300;970825;1200;970825;"Tor 1";"";"";999";"";"";"";"";"SA3_END"

"SA4";"F8009711200077";"BMW123";100121;300014;10;"BMW-MB2";"MB2";"DE";400;"KGM";"007025-510-mb2";2;"";"";"";"";"";"";SA4_END"

"SA5";"F8009711200077";"BMW123";100121;300014;10;"KLT4316";"KLT43 16";1;100;"KGM";0;0;"";0;"";"";"SA5_END"

"SA5";"F8009711200077";"BMW123";100121;300014;10;"PALLET";"PALLE T";1;100;"KGM";0;0;"";0;"";"";"SA5_END"

"SA5";"F8009711200077";"BMW123";100121;300014;10;"KLT4316";"KLT43 16";1;100;"KGM";0;0;"";0;"";"";"SA5_END"

"SA5";"F8009711200077";"BMW123";100121;300014;10;"PALLET";"PALLE T";1;100;"KGM";0;0;"";0;"";"";"SA5_END"

"SA5";"F8009711200077";"BMW123";100121;300014;10;"KLT4316";"KLT43 16";1;100;"KGM";0;0;"";0;"";"";"SA5_END"

"SA5";"F8009711200077";"BMW123";100121;300014;10;"PALLET";"PALLE T";1;100;"KGM";0;0;"";0;"";"";"SA5_END"

"SA5";"F8009711200077";"BMW123";100121;300014;10;"KLT4316";"KLT43 16";1;100;"KGM";0;0;"";0;"";"";"SA5_END"

"SA5";"F8009711200077";"BMW123";100121;300014;10;"PALLET";"PALLE T";1;100;"KGM";0;0;"";0;"";"";"SA5_END"

"SA3";"F8009711200077";"BMW123";100121;300015;"12208910";970825;0;9 70825;1300;970825;1300;970825;"Tor 1";"";"";"999";"";"";"";"";"SA3_END"

"SA4";"F8009711200077";"BMW123";100121;300015;10;"007025-MB1";"MB1";"DE";100;"KGM";"007025-MB1";0.5;"";"";"";"";"";"SA4_END"

"SA5";"F8009711200077";"BMW123";100121;300015;10;"KLT4316";"KLT43 16";1;100;"KGM";0;0;"";0;"";"SA5_END"

"SA5";"F8009711200077";"BMW123";100121;300015;10;"PALLET";"PALLE T";1;100;"KGM";0;0;"";0;"";"";"SA5_END"



4 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

Message Message

network address Folder (directory) path on network

ODDC Odette Code Table
ODDC25 Odette Code Table 25

ODETTE European standard for electronic data exchange

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