BAAN IVc4

Message Type Shipment Notification Definition of BEMIS 2.3 Inhouse Format

ASN - Message without MBOL Header

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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 documentation describes in detail the standard in-house 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.

This documentation describes the EDI message *advance shipment notification*.

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 “Advanced Shipment Notification”.

Message and DLLs

The corresponding message linked to organization BEM is called **ASN**.

The belonging DLLs are:

- tdpscdll4283 (incoming)
- tdsscdll4283 (outgoing)

Available record types of the message type Advanced Shipment Notification

The use of the following record types is conditional (C) respectively mandatory (M), when you transfer information of a shipment note by means of the messages ANSI X12 856 Advanced Shipment Notification.

The Advanced Shipment Notification message (in-house format) consists of the following records:

ID	Status	Name
SA1	M	Message Overhead
SA3	M	ASN Header
SA4	M	ASN Position
SA5	C	ASN Packaging Position
SA6	C	ASN Packaging Totals

Structure of the Advanced Shipment Notification message (in-house format)

The following record structure is used for the message type BEMIS Advanced Shipment Notification:

Level	Record ID	Status	Name
1	SA1	M/1	Message Overhead
3	SA3	M/R	ASN Header
4	SA4	M/R	ASN Position
5	SA5	C/R	ASN Packaging Position
6	SA6	C/R	ASN Packaging Totals

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.

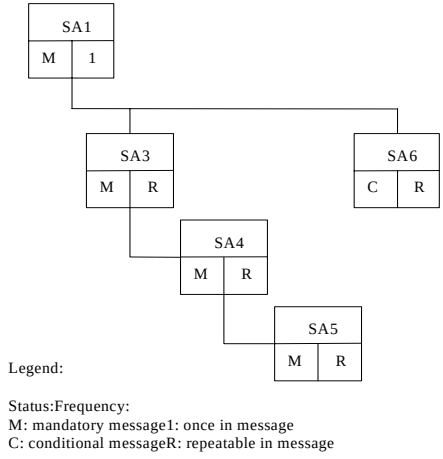


Figure 1, Branching diagram

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

SA1 ...	Message Overhead
SA3 ...	ASN Header
SA4 ...	ASN Position
SA5 ...	ASN Packaging Position
SA5 ...	ASN Packaging Position
SA4 ...	ASN Shipping Note Position
SA5 ...	ASN Packaging Position
SA6 …	ASN Packaging Totals
SA1 ...	Message Overhead
SA3 ...	ASN Shipping Note Header
SA4 ...	ASN Position
SA5 ...	ASN Packaging Position
SA5 ...	ASN Packaging Position
SA6 …	ASN Packaging Totals

Advanced Shipment Notification - Key fields

The following structure of the key fields is used to determine the corresponding records of an Advanced Shipment Notification:

Record type	Key field 1	Key field 2	Key field 3	Key field 4
SA1	Message Reference			
SA3	Message Reference	Network address customer/supplier		
SA4	Message Reference	Network address customer/supplier	Shipping Note No.	
SA5	Message Reference	Network address customer/supplier	Shipping Note No.	Shipping Note Position
SA6	Message Reference	Network address customer/supplier	Shipping Note No.	

Network directories

The so-called network directories are the basis for the communication between the EDI subsystem and BAAN IV. These directories are located on the application server. The network basis directories for each network are defined in the BAAN session tcedi0120m000. For the network BEMIS they can be established in the following way:

Path = ${BSE}/edi/bemis/asn/

The following subdirectories will be created automatically:

${BSE}/edi/bemis/asn/appl_from/
${BSE}/edi/bemis/asn/appl_to/
${BSE}/edi/bemis/asn/command/
${BSE}/edi/bemis/asn/store_recv/
${BSE}/edi/bemis/asn/store_sent/
${BSE}/edi/bemis/asn/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 incoming 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 processed 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 business partners.

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

Direction	File name	Network directory
outgoing	asn.out	../appl_from
incoming	asn.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 in-house format file. The tables contain the following data:

Advanced Shipment Notification INHOUSE FORMAT				
Pos	FIELD DESCRIPTION	Key	ST	FM

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

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 character

When BAAN generates outgoing messages, the numerical fields are written into the in-house 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 (Outgoing)	
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 are taken during the processing of the messages.

Mapping to Application Table Fields (Incoming)	
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 are taken during the processing of the messages.

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

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

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

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

empty numerical Position:

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

empty alphanumerical Position:

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

or

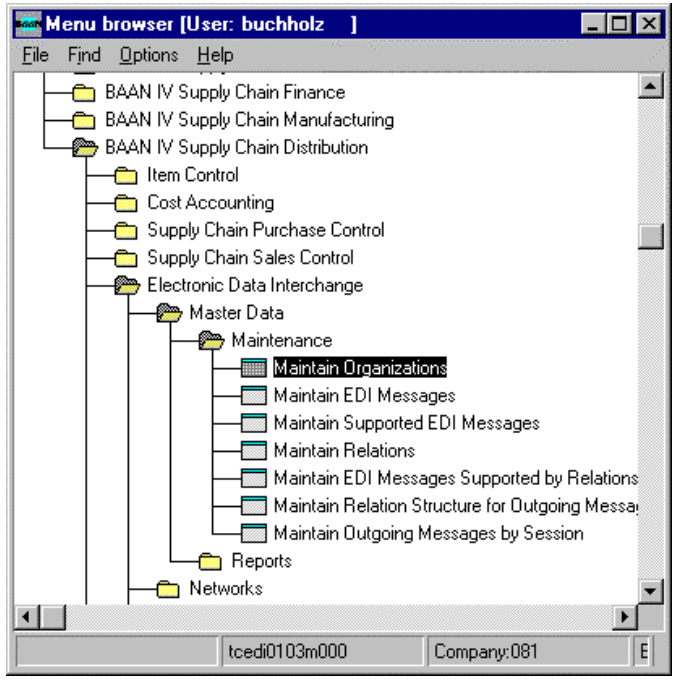
```
"SAX";...;"";...;"SAX_END"
```

Changing the Date Format

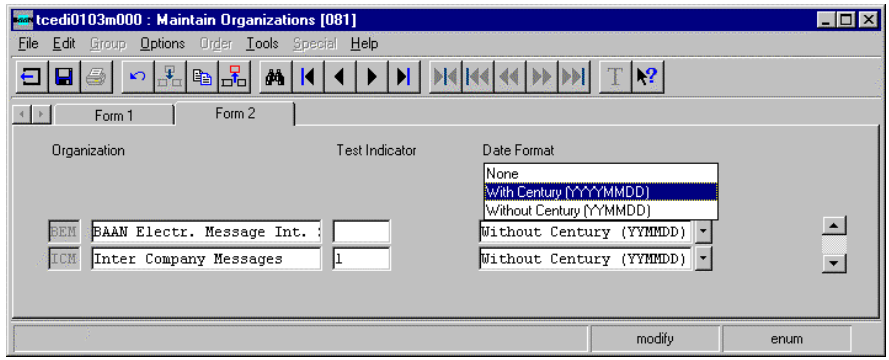
For the BAAN Versions b and c2/3 the date format is defined by using up to 6 numerical digits. Reading this definition, you will find out that the date format has been changed to 8 digits at maximum. With the BAAN Version BAAN IVc4 the delivered BEMIS default file (defaults.edi) is different in this point (in comparison to the versions delivered before). In BAAN EDI there is one global parameter in order to send out date information including the two digits for the century.

The enclosed screen shots show where to find the corresponding parameters.

You have to choose the following menu option:



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



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

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

Version 1.1.a compared with Version 1.0.a

If you want to use this new version of the BEMIS Advanced Shipment Notification please install the solution of **DEFECT 79188-2** (Extension for new BEMIS Structure)

The following changes have been made:

SA2:

SA3:

SA3.12: export of the Shipping date now filled by the value of tdsls045.ddat

SA4:

SA5:

SA5.22: New position: Package Level (n..8) tdssc019.plvl

SA5.23: The End of record sign “SA5_END” is moved from position 22 to position 23

Version 2.0 compared with Version 1.1.a

The new version 2.0 , based on version 1.1.a, is necessary to run the new BAAN IV Automotive Global Solution (AGS0).

Changes SA3 – ASN Header Data

Field number	Outgoing	Incoming
4 – new	tdssc017.odes	NA
13 – change	tdssc017.delp instead of tdssc002.delp	NA

Changes SA5 – ASN Packaging Position

Field number	Outgoing	Incoming
23 – new	tdssc019.ican	NA
24 – new	Data record end sign (old position was 23)	NA

Changes SA6 – ASN Packaging Totals

New record type for packaging totals.

Field number	Outgoing	Incoming
1 – new	“SA6”	NA
2 - new	Key field from related level	NA
3 - new	Key field from related level	NA
4 - new	Key field from related level	NA
5 - new	tdssc080.item	NA
6 – new	tdssc080.puqt	NA
7 – new	“SA6_END”	NA

Version 2.1 compared with Version 2.0

The new version 2.1 is based on version 2.0 and can only be used up from BaanIV_c4_ags0 SP10.

'Hazardous Material Information' is available now in the outgoing message.

Changes SA4 – ASN Position

Field number	Outgoing	Incoming
43 – new	tiitm950.sorg	NA
44 – new	tiitm950.hacl	NA
45 – new	tiitm950.maco	NA
46 – new	tiitm950.shna	NA
47 – new	tiitm950.pgrp	NA
48 – new	"SA4_END" old position was 43	NA

Version 2.3 compared with Version 2.1

The new version 2.3 is based on version 2.1 and can only be used up from BaanIV_c4_ags0 SP21.

'Shipment Reference' and 'Additional Information' fields are available now in the outgoing message.

Changes SA3 – ASN Header Data

Field number	Outgoing	Incoming
59 – new	tdssc017.dref	NA
60 – new	"SA3_END" move from position 59	NA

Changes SA5 – ASN Packaging Position

Field number	Outgoing	Incoming
18 – changed	tdssc019.ppno	NA
24 – new	tdssc019.iedi(1)	NA
25 – new	tdssc019.iedi(2)	NA
26 – new	tdssc019.iedi(3)	NA
27 – new	tdssc019.iedi(4)	NA
28 – new	tdssc019.iedi(5)	NA
29 – new	“SA5_END” old position was 24	NA

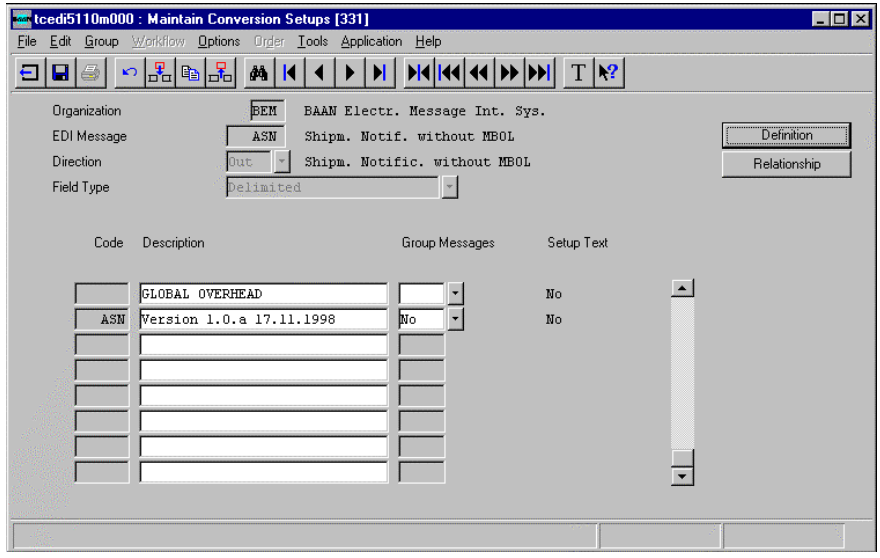
Additional Information in refer to the BEMIS Position SA3.50

By defining a new BEMIS Message version new information is added to the standard. In some cases this additional information is very specific. For example Fords demands an additional information in refer to the normally transmitted plant code. We decided to put this as a new position to our BEMIS standard message. But in this case a little problem occurred. The additional plant information which is mapped to position SA3.50 is derived from the BAAN table field tdssc017.cdel using the Code and Conversion table tcedi448 (Maintain Conv. of Delivery Address Codes by Customer (out)).

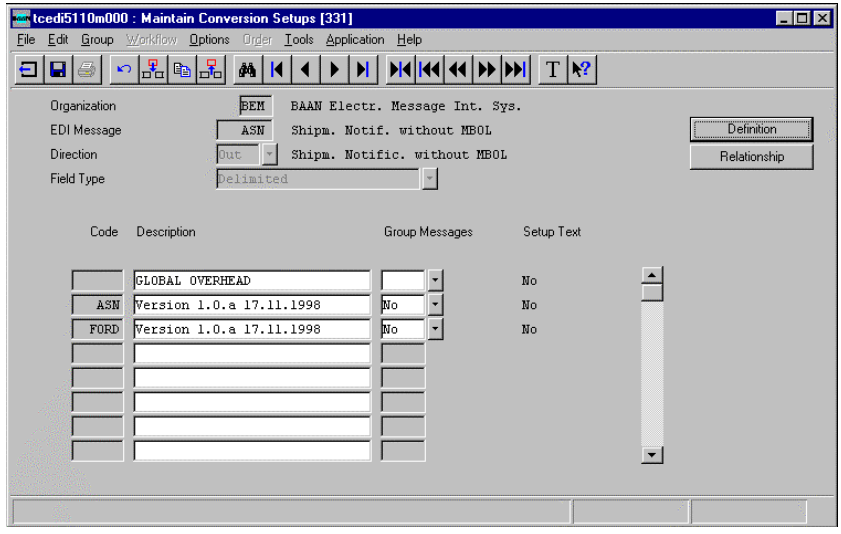
If an EDI Partner does not demand this information in an outgoing Shipment Notification you have to maintain a Code and Conversion table which is not needed.

Thus the following workflow should serve as a proposal to solve this problem:

If we look at the following Conversion Setup:



1 Copy the Conversion Setup ASN (Version 1.0.a 17.11.1998) using an other name, e.g.:



2 Change the Conversion Setup Up Definition in the following position:

Status before the change in the Conversion Setup Definition “ASN (Version 1.0.a 17.11.98)”:

```
Organization      :  BEM  BAAN Electr. Message Int. Sys.   Direction        : Out
EDI Message       :  ASN  Shipm. Notif. without MBOL       Field Type       : Delimited
Destination       :                                       Conversion Setup :  ASN Version 1.0.a 17.11.1998

Field            Seq Seq. Level Start Index Length Next Sequence Write Mult. Conversion   Action when  Evaluation
                 No.            Pos.                Rec. Iter Key Record Fact Table       not found    Expression

tdssc017.ccno    0  100    2     51    0     0      0    0      1
tdssc017.ecno    0  102    2     52    0     0      0    0      1
tdssc017.cdel    0  104    2     53    0     0      0    0      1 Delivery Addr Original Valu
tdssc017.edel    0  106    2     54    0     0      0    0      1
tdssc017.cdes    0  112    2     55    0     0      0    0      1
```

Status after the change in Conversion Setup Definition “FORD (Version 1.0.a 17.11.98)”:

Organization	:	BEH BAAN Electr. Message Int. Sys.	Direction	:	Out
EDI Message	:	ASN Shipm. Notif. without HBOL	Field Type	:	Delimited
Destination	:		Conversion Setup	:	FORD Version 1.0.a 17.11.1998

Field	Seq No.	Seq.	Level	Start Pos.	Index	Length	Next Rec.	Sequence Iter	Write Key	Mult. Record	Conversion Fact	Table	Action when not found	Evaluation Expression
tdssc017.ccno	0	100	2	51	0	0		0	0		1			
tdssc017.ecno	0	102	2	52	0	0		0	0		1			
tdssc017.cdel	0	104	2	53	0	0		0	0		1	Delivery Addr	Discard Messa	
tdssc017.edel	0	106	2	54	0	0		0	0		1			
tdssc017.cdes	0	112	2	55	0	0		0	0		1			

3 In the last step you have to link the new created and modified Conversion Setup Entry “FORD (Version 1.0.a 17.11.1998)” to your Business Partner using the BAAN session tcedi0111m000 Maintain EDI Messages Supported by Relations.

2 Data record description by kind of data record

This chapter describes the record types which are used in the BAAN standard in-house message format for ASN according to ANSI X12 856.

SA1 Message Overhead

Status:	Mandatory
Frequency:	Once by message
Description:	This record supports the clear identification of the whole message.

Advanced 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	M	an3	SA1		SA1	
2	Message reference	O/I	M	an..14	tcedi701.bano	Generation (see below)	tcedi702.bano	Generation by EDI subsystem
3	Network address customer / supplier	O/I	M	an..17	tcedi028.neta	Conversion (see below)	tcedi702.reno	Conversion (see below)
4	Our Identification in the network		M	an..17	tcedi020.neta	Conversion (see below)	empty	
5	Message		M	an..6	tcedi001.code	Conversion (see below)	tcedi702.mess	Conversion (see below)
6	Organization		M	an..6	tcedi003.code	Conversion (see below)	tcedi702.orga	Conversion (see below)
7	Order type		M	an..35	tcedi011.koor	Conversion (see below)	tcedi702.koor	Conversion (see below)
8	Order reference		M	an..35	empty	not filled at the moment (...;"";...)	tcedi702.msno	Conversion (see below)
9	Shipping date		M	n..8	current date		tcedi702.send	
10	Shipping time		M	n..4	current time		tcedi702.sent	
11	Transfer code old		M	an..14	empty	not filled at the moment (..;"";..)	tcedi702.prno	
12	End of record sign		M	an7	SA1_END		SA1_END	

Detailed description

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Record type**			

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	**an..14**	Field status	**M**
Field name		**Message reference**		(key field out/in)	

Description: This field identifies all connected records of one shipment notification. The message reference has to be clear by shipment notification. The numbering helps to control the chronological order of the ASN 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 an ASN.

Processing incoming

EDI subsystem: The EDI subsystem generates this number to identify an ASN and writes it into all records of an ASN.

BAAN: Mapping of the BAAN field tcedi702.bano to BAAN.

Position	**3**	Field format	**an..17**	Field status	**M**
Field name	**Network address customer / supplier**			(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 tcedi028.neta. The content 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 tcedi028 ‘Relations by network’. This identification is mapped to the BAAN field tcedi702.reno.

Position	**4**	Field format	**an..17**	Field status	**M**
Field name	**Our identification in the 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 tcedi028.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	**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 ‘ASN-IO‘.

Processing outgoing

EDI subsystem:

BAAN: The internal message code tcedi001.code ‘ASN-IO’ 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 ‘ASN-IO’.

BAAN: The message code in the BAAN table tcedi001 ‘Supported EDI Messages’ determines, which internal message is connected to this BEMIS advance ship notice. 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 tedi702.mess.

Position	**6**	Field format	**an..6**	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 organization 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 tcedi702.orga.

The corresponding organization must have been entered into the BAAN table tcedi003.

Position	**7**	Field format	**an..35**	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 tcedi011.koor is mapped to this position. It contains the code 856 (...;“856“;...).

Processing incoming

EDI subsystem: The value 856 is entered in this field (...;“856“;...).

BAAN: Mapping to BAAN 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	**8**	Field format	**an..35**	Field status	**M**
Field name		**Order reference**			

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 tcedi702.msno

Position	**9**	Field format	n..8	Field status	**M**
Field name		**Shipping date**			

Description: This field contains on the outgoing side the current date, on which the message was created. On the incoming side, this field contains the arrival date of the message at the EDI subsystem. The date is displayed in the following format: YYYYMMDD.

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 tcedi702.send.

Position	**10**	Field format	**n..4**	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 tcedi702.send

Position	**11**	Field format	**an..14**	Field status	**M**
Field name		**Transfer code 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 tcedi702.prno

Position	**12**	Field format	**an7**	Field status	**M**
Field name		**End of record sign**			

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

SA3 ASN 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.

Advanced 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	M	an3	SA3		SA3	
2.	Message reference	O/I	M	an..14	tcedi701.bano	Generation (see below)	tcedi702.bano	Generation by EDI subsystem
3.	Network address customer / supplier		M	an..17	tcedi028.neta	Conversion (see below)	tcedi702.reno	Conversion (see below)
4.	Shipping note number	O/I	M	n..9 an..30	tdssc017.ides		 tdpsc040.sdoc	
5.	Supplier code		C	an..15	tccom010.osno		tdpsc040.suno	
6.	Arrival date planned Defined by the customer		C	n..8			tdpsc040.aadt	
7.	Arrival time planned		C	n..4			tdpsc040.aatm	
8.	Due date		C	n..8	tdssc017.exdt		tdpsc040.exdt	
9.	Due time		C	n..4	tdssc017.exti		tdpsc040.exti	
10.	Planned delivery date		C	n..8	tdssc017.ddat		tdpsc040.ddat	
11.	Planned delivery time		C	n..6	tdssc017.dtim		tdpsc040.dtim	
12.	Shipping date		C	n..8	tdsls045.ddat		tdpsc040.cdat	
13.	Delivery point		C	an..32	tdssc017.delp		tdpsc040.dock	
14.	Shipping type		C	an..2	tdssc017.trmd	Conversion (see below)	tdpsc040.trmd	
15.	Site customer		C	an..35	tdssc002.plnt		tdpsc040.tprf	
16.	Storage location customer		C	an..3	tdssc017.dock			
17.	Shipping time		C	n..4			tdpsc040.ctim	
18.	Invoice Number		C	an...20	tccom000.namf	consists of tdsls480.ttyp + tdsls480.invn	tdpsc040.invn	
19.	Invoice Date		C	n..8	tdsls480.date		tdpsc040.invd	
20.	Invoice Currency		C	an..3	tdsls480.curr	Conversion (see below)		

Advanced 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**
21.	Invoice Amount (total)		C	n...13	tdsls480.invo			
22.	Net Weight		C	n..15	tdssc017.ntwt	Format: NNNNNNN NNNN.NNN	tdpsc040.ntwt	Format: NNNNNNN NNNN.NNN
23.	Volume		C	n..15	tdssc017.volu	Format: NNNNNNN NNNN.NNN		
24.	Number of Packages		C	n..4	tdssc017.puqt	Format: NNNN		
25.	Gross shipment note weight		C	n..15	tdssc017.wght	Format: NNNNNNN NNNN.NNN	tdpsc040.grwt	Format: NNNNNNN NNNN.NNN
26.	Master Bill of Lading Number		C	n..9 an..30	tdssc017.mbln		tdpsc040.load	
27.	Date Vehicle In		C	n..8	tdssc017.idat		tdpsc040.idat	
28.	Time Vehicle In		C	n..6	tdssc017.itim		tdpsc040.itim	
29.	Date Vehicle Out		C	n..8	tdssc017.cdat			
30.	Time Vehicle Out		C	n..6	tdssc017.ctim			
31.	Forwarding Agent		C	an..20	tdssc017.cfrw	Conversion (see below)		
32.	Container Note Number		C	an..20	tdssc017.cntn		tdpsc040.pcno	
33.	SCAC Code		C	an..4	tdssc017.scac			
34.	AETC Number		C	n..6	tdssc017.aetc		tdpsc040.aetc	
35.	Responsible Party		C	an1	tdssc017.resp	Codes see below		
36.	ET Reason Code		C	an..2	tdssc017.etrc			
37.	Carrier Pro Number		C	n..6	tdssc017.pron		tdpsc040.pron	
38.	Freight Terms		C	an..2	tdssc017.term	Conversion (see below)		
39.	Dealer Direct		C	an1	tdssc017.deal	“1” means yes “2” means no		

Advanced 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**
40.	Vehicle Prefix		C	an..4	tdssc017.vpre		tdpsc040.vpre	
41.	Vehicle ID		C	an..25	tdssc017.vhid		tdpsc040.vhid	
42.	ASN Confirmed		M	an1	tdssc017.conf	“1” means yes “2” means no	tdpsc040.txta	
43.	Error Found		M	an1	tdssc017.cerr	“1” means yes “2” means no	tdpsc040.txta	
44.	Cancelled ASN		C	an1	tdssc017.canc	“1” means yes “2” means no	tdpsc040.txta	
45.	Rail Code		C	an..3	tdssc017.rcod			
46.	Airport ID		C	an..4	tdssc017.alid			
47.	Flight No		C	n..9	tdssc017.abno			
48.	Routing		C	an..30	tdssc017.rout			
49.	Equipment Code		C	an..2	tdssc017.ecod	defined range		
50.	Original Advice Note Number		C	n..9	tdssc017.odes			
51.	Customer’s Carrier Number		C	an..9	tdssc017.ccno			
52.	ELP Number		C	an..6	tdssc017.ecno			
53.	Delivery Address Coded		C	an..3	tdssc017.cdel			
54.	ELP Delivery Address Coded		C	an..3	tdssc017.edel			
55.	Customer Shipment Number		C	n..9	tdssc017.cdes			
56.	On Master Bill of Lading		M	an1	tdssc017.mbol	“1” means yes “2” means no		

Advanced 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**
57.	Qualifier address code		M	an2	DP		DP	
58.	Qualifier address type		M	an2	ZZ		ZZ	
59.	Shipment Reference		C	an35	tdssc017.dref			
60.	End of record sign Fixed value “SA3_END”		M	an7				

Detailed description

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Record type**			

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	**an..14**	Field status	**M**
Field name		**Message reference**		(key field out/in)	

Description: This field identifies all connected records of one shipment notification. The message reference has to be clear by shipment notification. The numbering helps to control the chronological order of the ASN 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 an ASN.

Processing incoming

EDI subsystem: The EDI subsystem generates this number to identify the ASN and writes it into all records of an ASN.

BAAN: Mapping to BAAN field tcedi702.bano.

Position	**3**	Field format	**an..17**	Field status	**M**
Field name	**Network address customer / supplier**			(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 tcedi028.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 tcedi028 ‘Relations by network’. This identification is mapped to the BAAN field tcedi702.reno.

Position **4**	Field format	**out: n..9 / in: an..30**	Field status	**M**
Field name	**Shipping Note Number**			

Description: ASN Number – Unique Supplier assigned number that is not repeated within a defined period (e.g. a year).

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.ides to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.sdoc.

Position	**5**	Field format	**an..15**	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 tccom010.osno to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.suno.

Position	**6**	Field format	**n..8**	Field status	**C**
Field name		**Arrival date planned**			

Description: Defines the date at which the shipment arrives.

This field contains a numerical date with a maximum of 8 digits. The date is displayed in the following format: *YYYYMMDD.*

Processing outgoing

EDI subsystem: None.

BAAN: None.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.aadt.

Position	**7**	Field format	**n..4**	Field status	**C**
Field name		**Arrival time planned**			

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: None.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.aatm.

Position	**8**	Field format	**n..8**	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 8 digits. The date is displayed in the following format: *YYYYMMDD.*

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.exdt to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.exdt

Position	**9**	Field format	**n..4**	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 tdpsc017.exti to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.exti.

Position	**10**	Field format	**n..8**	Field status	**C**
Field name		**Planned delivery date**			

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

This field contains a numerical date with a maximum of 8 digits. The date is displayed in the following format: *YYYYMMDD*.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.ddat to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.ddat.

Position	**11**	Field format	**n..4**	Field status	**C**
Field name		**Planned delivery 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 tdpsc017.dtim to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.dtim.

Position	**12**	Field format	**n..8**	Field status	**C**
Field name		**Shipping date**			

Description: Defines the date of the shipment.

This field contains a numerical date with a maximum of 8 digits. The date is displayed in the following format: *YYYYMMDD*.

Processing outgoing

EDI subsystem: None

BAAN: None

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.cdat.

Position	**13**	Field format	**an..32**	Field status	**C**
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: Mapping of BAAN field tdssc017.delp to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.dock.

Position	**14**	Field format	**an..2**	Field status	**C**
Field name		**Shipping type**			

Description: Describes the key for the type of shipment.

Use the BAAN Session tdssc0142m000 to maintain the following codes (Supply Chain Base Table).

This field contains an alphanumerical code which might be:

6	Military Official Mail
7	Mail
A	Air
B	Barge
C	Consolidation
D	Parcel Post

E	Expedited Truck
F	Flyaway
H	Customer Pickup
I	Common Irregular Carrier
J	Motor
K	Backhaul
L	Contract Carrier
M	Motor (Common Carrier)
N	Private Vessel
O	Containerized Ocean
P	Private Carrier
Q	Conventional Ocean
R	Rail
S	Ocean
T	Best Way (Shippers Option)
U	Private Parcel Service
W	Inland Waterway
X	Intermodal (Piggyback)
Y	Military Intratheater Airlift Service
AC	Air Charter
AE	Air Express
AF	Air Freight
AH	Air Taxi
AQ	Quicktrans
AR	Armed Forces Courier Service (ARFCOS)
BP	Book Postal
BU	Bus
CE	Customer Pickup / Customer's Expense

DA	Drive away Service
DW	Drive away
ED	European or Pacific Distribution System
FA	Air Freight Forwarder
FL	Motor (Flatbed)
GG	Geographic Receiving/Shipping
GR	Geographic Receiving
GS	Geographic Shipping
LA	Log air
LT	Less Than Trailer Load (LTL)
MB	Motor (Bulk Carrier)
MP	Motor (Package Carrier)
PA	Pooled Air
PG	Pooled Piggyback
PL	Pipeline
PP	Pool to Pool
PR	Pooled Rail
PT	Pooled Truck
RC	Rail
RR	Roadrailer
SB	Shipper Agent
SC	Shipper Agent (Truck)
SD	Shipper Association
SE	Sea/Air
SR	Supplier Truck
SS	Steamship
ST	Stack Train
TA	Tow away Service

TC	Cab (Taxi)
VA	Motor (Van)
VE	Vessel
VL	Vessel
WP	Water or Pipeline Intermodal Movement
Y1	Ocean Conference Carrier
Y2	Ocean Non-Conference Carrier
ZZ	Mutually defined

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc017.trmd to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**15**	Field format	**an..35**	Field status	**C**
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 advance ship notice). Mapping of BAAN field tdssc002.plnt to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.tprf.

Position	**16**	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 tdssc017.dock to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**17**	Field format	**n..6**	Field status	**C**
Field name		**Shipping Time**			

Description: The time that the goods are planned to leave the premises.

Processing outgoing

EDI-subsystem: None

BAAN: None.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdssc040.ctim.

Position	**18**	Field format	**an..20**	Field status **C**
Field name		**Invoice number**		

Description: This field contains the identification number, which the supplier applied to a created invoice.

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc017.invn to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.invn.

Position	**19**	Field format	**n..8**	Field status	**C**
Field name		**Invoice date**			

Description: This field contains the date of the current invoice. (format: *YYYYMMDD*)

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc017.invd.date to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.invd.

Position	**20**	Field format	**an..3**	Field status	**C**
Field name		**Invoice Currency**			

Description: This field indicates the currency of the invoice. It contains the clear alphanumerical identification of the invoice. The currency code will be defined according to ISO 4217, e.g. ‘280’ for German mark (DM).

Processing outgoing

EDI-subsystem: None

BAAN: Used code and conversion table: ‘Maintain Conversion of Currency Codes (out)’ (tcedi4138m000). Mapping of BAAN field tdsls480.curr to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**21**	Field format	**n..13**	Field status	**C**
Field name		**Invoice Amount (total)**			

Description: This field contains the total invoice amount. The field contains the numerical amount of the invoice (format: *NNNNNNNNNN.NN*).

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field Tdsls480.invo to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**22**	Field format	**n..15**	Field status	**C**
Field name		**Net weight**			

Description: This field contains the net weight of the shipment.

Field Format: *NNNNNNNNNN.NNN*

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc017.ntwt to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**23**	Field format	**n..15**	Field status	**C**
Field name		**Volume**			

Description: This field contains the total volume of the shipment

Field Format: *NNNNNNNNNN.NNN*

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc017.volu to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**24**	Field format	**n..4**	Field status	**C**
Field name		**Number of Packages**			

Description: This field contains the number of packages per shipment. Field format: *NNNN*.

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc017.puqt to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**25**	Field format	**n..15**	Field status	**C**
Field name		**Gross shipment note weight**			

Description: Describes the gross weight of the shipment note.

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

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.wght to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.grwt

Position	**26**	Field format **out n..9/ in an..30** Field status **C**
Field name		**Master Bill of Lading Number**

Description: A Master Bill of Lading is a transportation document that is used to group Advice notes together. If a truck is carrying product to different customers, the driver must have one document that lists everything on his truck. This document is the MBOL and has got a number.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.mbln to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.load

Position	**27**	Field format	**n..8**	Field status	**C**
Field name		**Date Vehicle In**			

Description: The actual date on which the means of transport arrives to pick up the shipment.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.idat to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.idat

Position	**28**	Field format	**n..4**	Field status	**C**
Field name		**Time Vehicle In**			

Description: The actual time at which the means of transport arrives in dock and is ready to be loaded with the shipment. The Date/Time Vehicle In and Date/Time Vehicle Out fields are used to manage the arrival of scheduled means of transportation and the length of time it takes to load the truck and get it back on the road.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.itim to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.itim

Position	**28**	Field format	**n..8**	Field status	**C**
Field name		**Date Vehicle Out**			

Description: The date the supplier either provided the goods for pick-up (pick-up method) or the goods left his premises (standard shipment). The actual time the means of transport arrives in dock and is ready to be loaded with shipment. The Date/Time Vehicle In and Date/Time Vehicle Out are used to manage the scheduled arrival of means of transportation and the length of time it takes to load the truck and get it back on the road.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.cdat to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**30**	Field format	**n..8**	Field status	**C**
Field name		**Time Vehicle Out**			

Description: The time confirmed as the time at which the goods left your premises.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.ctim to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**31**	Field format	**an..20**	Field status	**C**
Field name		**Forwarding Agent**			

Description: Forwarding agents are companies who take care of the transportation of goods.

Attention: **Normally every business partner uses his specific codes. This means you have to investigate the Assembler's EDI Guideline to find out which specific codes he uses. Furthermore these codes have to be agree to your EDI Subsystem supplier.**

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.cfrw to position. The Code in the BAAN Application is converted using tcedi4156m000 (Maintain Conv. of Forwarding Agent Codes by Relation (out))

Processing incoming

EDI subsystem: None

BAAN: None

Position	**32**	Field format	**an..20**	Field status	**C**
Field name		**Container Note Number**			

Description: Normally the carriers have their own documentation, in particular their own delivery notes. This field allows you to record the number of the carrier's delivery note in case of later dispute with the carrier. Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.cntn to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.pcno

Position	**33**	Field format	**an..4**	Field status	**C**
Field name		**SCAC Code**			

Description: The assembler uses this code to identify a carrier. You have to maintain these Codes in the following Session in the Supply Chain Base Tables:

Maintain Standard Carrier Alpha Codes (tdssc0140m000)

Maintain Standard Carrier Alpha Codes by Customer (tdssc0141m000)

Attention: **Normally every business partner uses his specific codes. This means you have to investigate the Assembler's EDI Guideline to find out which specific codes he uses. Furthermore this codes have to be agree to your EDI Subsystem supplier.**

Example:

Part of the Carrier Name SCAC ,s defined by CHRYSLER:

AAA	Cooper Transportation AACT
A B C	Moving & Storage Division XABC
A B F	Freight System, Inc. ABFS
A	Castaneda Perdoma XACP

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.scac to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**34**	Field format	**n..6**	Field status	**C**
Field name		**AETC Number**			

Description: This number represents the code authorizing the excess transportation costs. Normally the supplier receives this number from the customer to authorize transportation costs exceeding the norm.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.aetc to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.atec

Position	**35**	Field format	**an1**	Field status	**C**
Field name		**Responsible Party**			

Description: Code identifying who is responsible for paying freight. The responsible party is the party that is held responsible for the payment of the freight costs. You have to maintain these Codes in the following Session in the Supply Chain Base Table:

Maintain Responsible Party (tdssc0190m000)

Attention: **Normally every business partner uses his specific codes. This means you have to investigate the Assembler's EDI Guideline to find out which specific codes he uses. Furthermore this codes have to be agree to your EDI Subsystem supplier.**

If it is possible use the following codes:

A	Customer Plant (Receiving Location)
B	Material Release Issuer
S	Supplier Authority
X	Responsibility to be Determined
Z	Mutually Defined

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.resp to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**36**	Field format	**an..2**	Field status	**C**
Field name		**ET Reason Code**			

Description: When transportation costs exceed the agreed costs, the reason for the excess can be recorded. You have to maintain these Codes in the following Sessions in the Supply Chain Base Table:

Maintain Excess Transportation Reason Codes (tdssc0183m000)

Maintain Excess Transportation Reason Codes by Customer (tdssc0194m000)

Attention: **Normally every business partner uses his specific codes. This means you have to investigate the Assembler's EDI Guideline to find out which specific codes he uses. Furthermore this codes have to be agree to your EDI Subsystem supplier.**

Normally the following Codes are used:

A	Schedule Increase
B	Engineering Change or Late Release
C	Specification (Schedule) Error/Overbuilding
D	Shipment Tracing Delay
E	Plant Inventory Loss
F	Building Ahead of Schedule
G	Vendor Behind Schedule
H	Failed to Include In Last Shipment or Unauthorized Premium
I	Carrier Loss Claim
J	Transportation Failure
K	Insufficient Weight For Carload
L	Reject or Discrepancy
M	Transportation Delay
N	Lack of Railcar or Railroad Equipment

P	Releasing Error
R	Record Error or Late Reported Discrepancy Report
T	Common or Peculiar Part Schedule Increase
U	Alternate Supplier Shipping for Responsible Supplier
V	Direct Schedule or Locally Controlled
W	Purchasing Waiver Approval
X	Authorization Code to be Determined
Y	Pilot Material
ZZ	Mutually Defined

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.etrc to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.atec

Position	**37**	Field format	**n..6**	Field status	**C**
Field name		**Carrier Pro Number**			

Description: The number the forwarding agent identifies the shipment with.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.pron to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.pron

Position	**38**	Field format	**an..2**	Field status	**C**
Field name		**Freight Terms**			

Description: Freight terms are conditions under which the goods are transported to your customer. This field indicates how to frank the shipment (unfranked,...)

You have to maintain these Codes in the following Session in the Supply Chain Base Table:

Maintain Freight Terms (tdssc0189m000)

It contains a unique alphanumerical identification.
01 = unfranked (unfrei)
02 = free destination (frei Bestimmungsort)
03 = free to the door (frei Haus)
04 = free German border (frei deutsche Grenze)
05 = free receiving carrier (frei Empfangsspediteur)
99 = special postage (Sonderfrankatur)

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.term to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**39**	Field format	**an1**	Field status	**C**
Field name		**Dealer Direct**			

Description: Identifies if the shipment is sent directly from the supplier to the customer.

"1" means yes

"2" means no

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.deal to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**40**	Field format	**an..4**	Field status	**C**
Field name		**Vehicle Prefix**			

Description: An extra code to identify the vehicle of transport, in addition to the Vehicle ID field.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.vpre to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value xo BAAN field tdpsc040.vpre

Position	**41**	Field format	**an..25**	Field status	**C**
Field name		**Vehicle ID**			

Description: The code by which the vehicle is identified this means it identifies the ship, flight, truck or any other vessel used to transport the goods.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.vhid to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value xo BAAN field tdpsc040.vhid.

Position	**42**	Field format	**an1**	Field status	**M**
Field name		**ASN Confirmed**			

Description: Information whether the ASN is confirmed or not.

"1" means Yes

"2" means No

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.conf to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value xo BAAN field tdpsc040.txta.

Position	**43**	Field format	**an1**	Field status	**M**
Field name		**Error Found**			

Description: Information whether there are errors within the ASN or not.

"1" means Yes

"2" means No

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.cerr to position.

Processing incoming

EDI subsystem: Mapping of field value to BAAN field tdpsc040.txta.

BAAN: None

Position	**44**	Field format	**an1**	Field status	**M**
Field name		**Cancelled ASN**			

Description: This field is used to give the information whether the ASN has to be cancelled or not.

"1" means Yes

"2" means No

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.canc to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.txta.

Position	**45**	Field format	**an..3**	Field status	**C**
Field name		**Rail Code**			

Description: Shipments to a customer can be done by rail. A specific rail code can be added to these shipments.

You have to maintain this Code in the following Session in the Supply Chain Base Table:

Maintain Rail Codes (tdssc0142m000)

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.rcod to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**46**	Field format	**an..4**	Field status	**C**
Field name		**Airport ID**			

Description: The code identifying the airport, from where the goods are shipped.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.alid to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**47**	Field format	**n..9**	Field status	**C**
Field name		**Flight No**			

Description: The number of the flight by which the goods are shipped.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.abno to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**48**	Field format	**an..30**	Field status	**C**
Field name		**Routing**			

Description: A routing generally refers to course or road used in shipping. Specific instructions may be put in this field as defined by the customer and should specify the routing of the delivery in detail. Free-form description of the routing or requested routing for shipment or the originating carrier's identity.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.rout to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**49**	Field format	**an..2**	Field status	**C**
Field name		**Equipment Code**			

Description: Equipment codes identify any type of equipment used to ship materials. These equipment codes must therefore be linked to a transportation mode.

Example: When goods are shipped by the transportation mode Rail, the equipment code might refer to the rail car used or the racking used in the rail car.

You have to maintain these Codes in the following Sessions in the Supply Chain Base Table:

Maintain Equipment Codes (tdssc0144m000)

Maintain Equipment Codes by Transportation Mode (tdssc0160m000)

Attention: **Normally every business partner uses his specific codes. This means you have to investigate the Assembler's EDI Guideline to find out which specific codes he uses. Furthermore this codes have to be agree to your EDI Subsystem supplier.**

The ANSI ASC X12 Data Element Directory uses for the Equipment Code the following Codes:

20	20 ft. IL Container (Open Top)
2B	20 ft. IL Container (Closed Top)
40	40 ft. IL Container (Open Top)
4B	40 ft. IL Container (Closed Top)
AC	Closed Container
AF	Air Freight (Break Bulk)
AL	Container
AP	Aircraft
AT	Closed Container (Controlled Temperature)
BC	Covered Barge
BE	Bilevel Railcar Fully Open
BF	Bilevel Railcar Fully Enclosed

BG	Bogie
BH	Bilevel Railcar Screened With Roof
BJ	Bilevel Railcar Screened
BO	Barge Open
BR	Barge
BX	Boxcar
CA	Caboose
CB	Chassis
CC	Container resting on a Chassis
CD	Container with Bag Hangers
CG	Container
CH	Chassis
CI	Container
CJ	Container
CK	Container
CL	Container (Closed Top - Length Unspecified)
CM	Container
CN	Container
CP	Coil Car Open
CQ	Container
CR	Coil-Car Covered
CS	Container-Low Side Open Top
CT	Container-High Side Open Top
CU	Container (Open Top - Length Unspecified)
CV	Closed Van
CW	Container
CZ	Refrigerated Container
DD	Double-Drop Trailer
DF	Container with Flush Doors

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.ecod to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**50**	Field format	**n..9**	Field status	**C**
Field name		**Original Advice Note Number**			

Description:

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.odes to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**51**	Field format	**an..9**	Field status	**C**
Field name		**Customer’s Carrier Number**			

Description: The customer's transport identification code. Here, a code for the transport company of the customer is entered. If the customer specifies no transport company, the name of the supplier's transport company can be entered here.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.ccno to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**52**	Field format	**an..6**	Field status	**C**
Field name		**ELP Number**			

Description: The customer used to identify an external logistics provider.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.ecno to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**53**	Field format	**an..3**	Field status	**C**
Field name		**Delivery Address Coded**			

Description: The Code for the address where the goods ordered are delivered. This position might contain the additional plant identification demanded by some assembler (e.g. Ford). Therefore it is necessary to convert the delivery address code to a code in the message using the qualifier “DP” in position 58. Please refer to the additional information which are given above.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.cdel to position and conversion using the session tcedi4148m000.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**54**	Field format	**an..3**	Field status	**C**
Field name		**ELP Delivery Address Coded**			

Description: The code of the delivery address of an external logistics provider.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.edel to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**55**	Field format	**n..9**	Field status	**C**
Field name		**Customer Shipment Number**			

Description: The number assigned by the customer to the shipment.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.cdes to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**56**	Field format	**an1**	Field status	**M**
Field name		**On Master Bill of Lading**			

Description: This information is an indicator whether a Master Bill Of Lading was generated or not.

"1" means Yes

"2" means No

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.mbol to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**57**	Field format	**an2**	Field status	**M**
Field name		**Qualifier address code**			

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

Processing outgoing

EDI subsystem:

BAAN: This field is filled with the fixed value ‘DP’.

Processing incoming

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

BAAN: The qualifier must have been entered in the BAAN table tcedi218 (Address code IDs). It is taken into account when the BAAN internal delivery address code is determined from the value in position 4.

Position	**58**	Field format	**an2**	Field status	**M**
Field name		**Qualifier address type**			

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

Processing outgoing

EDI subsystem:

BAAN: This field is filled with the fixed value ‘ZZ’.

Processing incoming

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

BAAN: The qualifier must have been entered in the BAAN table tcedi224 (Address types). It is taken into account when the BAAN internal delivery address code is determined from the value in position 4.

Position	**59**	Field format	**an35**	Field status	**C**
Field name		**Shipment Reference**			

Description: This field contains the Shipment Reference

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc017.dref to position. For CINDI this field contains the Transportation ID (IT)

Processing incoming

EDI subsystem: None

BAAN: None

Position	**60**	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 ASN 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.

Advanced 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	M	an3		Constant ‘SA4 ”	SA4	
2.	Message reference	O/I	M	an..14	tcedi701.bano	Generation (see below)	tcedi702.bano	Generation by EDI subsystem
3.	Network address supplier / customer		M	an..17	tcedi028.neta	Conversion (see below)	tcedi702.reno	Conversion (see below)
4.	Shipping note number	O/I	M	n..9 an..30	tdssc018.ides		 tdpsc040.sdoc	
5.	Position shipping note number	O/I	M	n..3	tdssc018.pono		tdpsc041.pono	
6.	Customer article code		M	an..35	tdssc018.cpno		tdpsc041.item	
7.	Supplier article code		M	an..35	tdssc018.item		tdpsc041.cpno	
8.	Country of origin		M	an..3	tiitm001.ctyo	Conversion (see below)	tdpsc041.ccty	Conversion (see below)
9.	Shipped quantity		M	n..15	tdssc018.cqty		tdpsc041.iqty	
10.	Unit of shipped quantity		M	an..3	tdssc018.cuqs	Conversion (see below)	tdpsc041.cuqp	Conversion (see below)
11.	Customer order number		C	an..17 an..30	tdssc001.cono		 tdpsc041.cono	
12.	Gross weight shipment position		C	n..15	tdssc018.grwt		tdpsc041.grwt	
13.	Lot number Constant		C	an..16	tdssc018.clot		tdpsc041.clot	
14.	Use code		M	an..1	tdssc018.appc		tdpsc041.appc	
15.	Customer Part Number Revision Level		C	an..17	tdssc605.crev			
16.	Customer Part Number Revision Level Description		C	an..30	tdssc605.desc			

Advanced 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
17.	Customer Part Number Revision Level Effective Date		C	n..8	tdssc605.refd			
18.	Customer Part Number Expiry Date		C	n..6	tdssc605.rexd			
19.	Customer order number taken from the delivered schedule		C	an..17	tdssc002.cono			
20.	Planned Quantity		C	n..20	tdssc018.iqty			
21.	Outstanding Quantity		C	n..20	tdssc018.oqty			
22.	Conversion Factor Sales to Inventory Unit		C	n6.8	tdssc018.cvqs		tdpsc041.cvqs	
23.	Net Weight		C	n7.3	tdssc018.ntwt		tdpsc041.ntwt	
24.	Vehicle ID Number		C	an..25	tdssc018.pref			
25.	Job Sequence		C	n..6	tdssc018.jbsq			
26.	Customer Authentic Number		C	an..12	tdssc018.ican			
27.	ET Reason Code		C	an..2	tdssc018.ertc			
28.	Responsible Party		C	an1	tdssc018.resp			
29.	AETC Number		C	n..6	tdssc018.aetc		tdpsc041.aetc	
30.	SHS Reference		C	an..35	tdssc018.dref			
31.	Contract Price		C	n..20	tdssc018.cpri		tdpsc041.cpri	
32.	From Warehouse Coded		C	an..3	tdssc018.cwar			
33.	From Location Coded		C	an..8	tdssc018.locf			
34.	Distribution Center Warehouse Coded		C	an..3	tdssc018.warc		tdpsc041.cwar	
35.	DC Location Coded		C	an..8	tdssc018.loca		tdpsc041.loca	
36.	Dealer Code		C	an..8	tdssc018.dcod		tdpsc041.dcod	

Advanced 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**
37.	Dealer Order Reference		C	an..10	tdssc018.dord		tdpsc041.dord	
38.	Package Status		C	an1	tdssc018.psts	“1” Standard “2” Alternative “3” Customized		
39.	Qualifier address code		M	an2	DP		DP	
40.	Qualifier address type		M	an2	ZZ		ZZ	
41.	Qualifier item number		M	an2	SA		SA	
42.	Cumulative Delivered Quantity		C	n..15	tdssc007.cqty	Field Format: NNNNNNNN.NNNN		
43.	Standardization Organization		C	an..3	tiitm950.sorg			
44.	Hazard Class		C	n..2	tiitm950.hacl			
45.	Material Code		C	n..6	tiitm950.maco			
46.	Proper Shipping Name		C	an..35	tiitm950.shna			
47.	Packing Group		C	an..4	tiitm950.pgrp			
48.	End of record sign Constant ‘SA4_END”		M	an7		Constant ‘SA4_END”		

Detailed description

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Record type**			

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	**an..14**	Field status	**M**
Field name		**Message reference**		(key field out/in)	

Description: This field identifies all connected records of one shipment notification. The message reference has to be clear by shipment notification. The numbering helps to control the chronological order of the ASNs 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 an ASN.

Processing incoming

EDI subsystem: The EDI subsystem generates this number to identify the ASN and writes it into all records of the ASN.

BAAN: Mapping to BAAN field tcedi702.bano

Position	**3**	Field format	**an..17**	Field status	**M**
Field name	**Network address customer / supplier**			(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 tcedi028.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 tcedi028 ‘Relations by network’. This identification is mapped in the BAAN field tcedi702.reno.

Position	**4**	Field format **out n..9/in an30**	Field status	**M**
Field name	**Shipping note number**			

Description: Describes the clear identification of the shipping note.

This field contains a clear shipping note number with a maximum of 9 digits.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.ides to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.ides.

Position	**5**	Field format	**n..3**	Field status	**M**
Field name		**Position Shipping note number**			

Description: Describes the clear identification of the shipping note position.

This field contains a clear shipping note position with a maximum of 3 digits.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.pono to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to field tdpsc041.pono

Position	**6**	Field format	**an..35**	Field status	**M**
Field name		**Customer article 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 tdssc018.cpno to position.

Processing incoming

EDI subsystem: None

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

Position	**7**	Field format	**an..35**	Field status	**M**
Field name		**Supplier article code**			

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 tdssc018.item to position.

Processing incoming

EDI subsystem: None

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

Position	**8**	Field format	**an..3**	Field status	**M**
Field name		**Country of origin**			

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 Republic 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 Tiitm001.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 tdpsc041.ccty.

Position	**9**	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: *'NNNNNNNNNNN.NNNN'*.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.cqty to position.

Processing incoming

EDI subsystem: None

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

Position	**10**	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 tdssc041.cuqp to position.

Processing incoming

EDI subsystem: None

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

Position	**11**	Field format	**an..17**	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 tdssc001.cono to position.

Processing incoming

EDI subsystem: None

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

Position	**12**	Field format	**n..15**	Field status	**C**
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: *'NNNNNNNNNNN.NNNN'*.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.grwt to position.

Processing incoming

EDI subsystem: None

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

Position **13**	Field format	**an..16**	Field status	**C**
Field name	**Lot number**			

Description: This field is reserved for later extensions.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.clot to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to field tdpsc041.clot

Position	**14**	Field format	**an..1**	Field status	**M**
Field name		**Use Code**			

Description: Describes the usage of encoded shipment positions.

You have to maintain these Codes in the following Session in the Supply Chain Base Table:

Maintain Use Codes (tdssc0164m000)

Attention: **Normally every business partner uses his specific codes. This means you have to investigate the Assembler's EDI Guideline to find out which specific codes he uses. Furthermore this codes have to be agree to your EDI Subsystem supplier.**

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.appc to position.

Processing incoming

EDI subsystem: None

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

Position	**15**	field format	**an..17**	Field status	**C**
Field name	**Customer Part Number Revision Level**				

Description: Record the current revision number of the Customers' Part Number.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.crev to position.

Processing incoming

EDI subsystem: None

BAAN: None.

Position	**16**	Field format	**an..17**	Field status	**C**
Field name	**Customer Part Number Revision Level Description**				

Description: Description of the revision change.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc605.desc to position.

Processing incoming

EDI subsystem: None

BAAN: None.

Position	**17**	Field format	**n..8**	Field status	**C**
Field name	**Customer Part Number Revision Level Effective Date**				

Description: Date on which the revision becomes effective. This date may not be less than or equal to an effective date of an earlier revision.

Format YYYYMMDD

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc605.refd to position.

Processing incoming

EDI subsystem: None

BAAN: None.

Position	**18**	Field format	n..8	Field status	**C**
Field name	**Customer Part Number Revision Level Expiry Date**				

Description: Date on which revision expires. This cannot be equal to or less than the effective date.

Format YYYYMMDD

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc605.rexd to position.

Processing incoming

EDI subsystem: None

BAAN: None.

BAAN: None.

Position	**19**	Field format	**an..17**	Field status	**C**
Field name	**Customer order number**				

Description: Describes the customer order number which has been sent out within the corresponding schedule.

This field contains an alphanumerical code with a maximum of 17 characters.

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc002.cono to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**20**	Field format	**n..20**	Field status	**C**
Field name	**Planned Quantity**				

Description: The quantity of the item planned for this delivery.

Format: NNNNNNNNNNNNNNN.NNNN (15.4)

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc018.iqty to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**21**	Field format	**n..20**	Field status	**C**
Field name		**Outstanding Quantity**			

Description: In the case of a distribution center, the balance of the transferred quantity that has not yet been consumed.

Format: NNNNNNNNNNNNNNN.NNNN (15.4)

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc018.oqty to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**22**	Field format	**n..15**	Field status	**C**
Field name		**Conversion Factor Sales to Inventory Unit**			

Description: If the value of the "Sales Price Unit" field is not the same as the value of the "Sales Unit" field, this is the conversion factor between the two.

Format: NNNNNN.NNNNNNNN (6.8)

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc018.cvqs to position.

Processing incoming

EDI subsystem: None

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

Position	**23**	Field format	**n..11**	Field status	**C**
Field name		**Net Weight**			

Description: The net weight of the items on the delivery, excluding packaging.

Format: NNNNNNN.NNN (7.3)

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc018.cvqs to position.

Processing incoming

EDI subsystem: None

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

Position	**24**	Field format	**an..35**	Field status	**C**
Field name		**Vehicle ID Number**			

Description: The Vehicle ID that the sequence / requirement is to be attached to.

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc018.pref to position.

Processing incoming

EDI subsystem: None

BAAN: None.

Position	**25**	Field format	**n..6**	Field status	**C**
Field name		**Job Sequence**			

Description: The sequence order in which the goods must be received.

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc018.jbsq to position.

Processing incoming

EDI subsystem: None

BAAN: None.

Position	**26**	Field format	**an..12**	Field status	**C**
Field name		**Customer Authentic Number**			

Description: This field is used to store RAN number/DON number in a KANBAN type schedule.

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc018.ican to position.

Processing incoming

EDI subsystem: None

BAAN: None.

Position	**27**	Field format	**an..2**	Field status	**C**
Field name		**ET Reason Code**			

Description: The code identifying the reason for excess transportation costs.

You have to maintain these Codes in the following Sessions in the Supply Chain Base Table:

Maintain Excess Transportation Reason Codes (tdssc0183m000)

Maintain Excess Transportation Reason Codes by Customer (tdssc0194m000)

Attention: **Normally every business partner uses his specific codes. This means you have to investigate the Assembler's EDI Guideline to find out which specific codes he uses. Furthermore this codes have to be agree to your EDI Subsystem supplier.**

Normally the following Codes are used:

A	Schedule Increase
B	Engineering Change or Late Release
C	Specification (Schedule) Error/Overbuilding
D	Shipment Tracing Delay
E	Plant Inventory Loss
F	Building Ahead of Schedule
G	Vendor Behind Schedule
H	Failed to Include In Last Shipment or Unauthorized Premium
I	Carrier Loss Claim
J	Transportation Failure
K	Insufficient Weight For Carload
L	Reject or Discrepancy
M	Transportation Delay
N	Lack of Railcar or Railroad Equipment
P	Releasing Error
R	Record Error or Late Reported Discrepancy Report
T	Common or Peculiar Part Schedule Increase
U	Alternate Supplier Shipping for Responsible Supplier
V	Direct Schedule or Locally Controlled
W	Purchasing Waiver Approval
X	Authorization Code to be Determined
Y	Pilot Material
ZZ	Mutually Defined

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc018.ertc to position.

Processing incoming

EDI subsystem: None

BAAN: None.

Position	**28**	Field format	**an1**	Field status	**C**
Field name		**Responsible Party**			

Description: Code identifying who is responsible for paying freight. The responsible party is the party that is held responsible for the payment of the freight costs. You have to maintain these Codes in the following Session in the Supply Chain Base Table:

Maintain Responsible Party (tdssc0190m000)

Attention: **Normally every business partner uses his specific codes. This means you have to investigate the Assembler's EDI Guideline to find out which specific codes he uses. Furthermore this codes have to be agree to your EDI Subsystem supplier.**

If it is possible use the following codes:

A	Customer Plant (Receiving Location)
B	Material Release Issuer
S	Supplier Authority
X	Responsibility to be Determined
Z	Mutually Defined

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc018.resp to position.

Processing incoming

EDI subsystem: None

BAAN: None.

Position	**29**	Field format	**n..6**	Field status	**C**
Field name		**AETC Number**			

Description: This number represents the code authorizing the excess transportation costs. Normally the supplier receives this number from the customer to authorize transportation costs exceeding the norm.

Example: Expedited shipping.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.aetc to position.

Processing incoming

EDI subsystem: None

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

Position	**30**	Field format	**an..35**	Field status	**C**
Field name		**SHS Reference**			

Description: Any reference number that the customer has given for this shipment.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.dref to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**31**	Field format	**n..20**	Field status	**C**
Field name		**Contract Price**			

Description: The sales price, valid at least at the start of the contract. This Contract Price field is used to store the value of the special charges for the various charge types defined for the special charge cost items.

Format: NNNNNNNNNNNNNNNNN.NNNN (15.4)

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.cpri to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**32**	Field format	**an..3**	Field status	**C**
Field name		**From Warehouse coded**			

Description: Code which is used for the distribution center warehouse, where the goods are to be delivered.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.cwar to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**33**	Field format	**an..8**	Field status	**C**
Field name		**From Location Coded**			

Description: The location, from where the deliverable goods are to be taken.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.locf to position.

Processing incoming

EDI subsystem: None

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

Position	**34**	Field format	**an..8**	Field status	**C**
Field name		**Distribution Center Warehouse Coded**			

Description: The distribution center warehouse, where the goods are to be delivered.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.warc to position.

Processing incoming

EDI subsystem: None

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

Position	**35**	Field format	**an..8**	Field status	**C**
Field name		**DC Location Coded**			

Description: The location within the distribution center where the goods are to be delivered.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.loca to position.

Processing incoming

EDI subsystem: None

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

Position	**36**	Field format	**an..8**	Field status	**C**
Field name		**Dealer Coded**			

Description:

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.dcod to position.

Processing incoming

EDI subsystem: None

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

Position	**37**	Field format	**an..10**	Field status	**C**
Field name		**Dealer Order Reference**			

Description:

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.dord to position.

Processing incoming

EDI subsystem: None

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

Position	**38**	Field format	**an1**	Field status	**C**
Field name		**Package Status**			

Description: The package status field identifies if the current package is a standard or an alternative package for the deliverable item.

"1" means Standard

"2" means Alternative

"3" means Customized

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc018.psts to position.

Processing incoming

EDI subsystem: None

BAAN: None.

Position	**39**	Field format	**an2**	Field status	**M**
Field name		**Qualifier address code**			

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

Processing outgoing

EDI subsystem:

BAAN: This field is filled with the fixed value ‘DP’.

Processing incoming

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

BAAN: The qualifier must have been entered in the BAAN table tcedi218 (Address code IDs). It is taken into account when the BAAN internal delivery address code is determined from the value in position 4.

Position	**40**	Field format	**an2**	Field status	**M**
Field name		**Qualifier address type**			

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

Processing outgoing

EDI subsystem:

BAAN: This field is filled with the fixed value ‘ZZ’.

Processing incoming

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

BAAN: The qualifier must have been entered in the BAAN table tcedi224 (Address types). It is taken into account when the BAAN internal delivery address code is determined from the value in position 4.

Position	**41**	Field format	**an2**	Field status	**M**
Field name		**Qualifier item number**			

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

Processing outgoing

EDI subsystem:

BAAN: This field is filled with the fixed value ‘SA’.

Processing incoming

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

BAAN: The qualifier must have been entered in the BAAN table tcedi232 (Item number IDs). It is taken into account when the BAAN internal item number is determined from the customer’s item number in position 5.

Position	**42**	Field format	**an..17**	Field status	**C**
Field name		**Cumulative Delivered Quantity**			

Description: The total quantity of all shipments under the corresponding contract after this shipment position has been delivered.

Field format: NNNNNNNN.NNNN (8.4)

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field tdssc007.cqty to position. (only in case of valid evaluation expression CAS, means cancelled ASN)

Processing incoming

EDI subsystem: None

BAAN: None

Position	**43**	Field format	**an..3**	Field status	**C**
Field name		**Standardization Organization**			

Description: The abbreviated name of the standardization organization according to which the hazardous materials coding will be done. E. g. UN, EN, DIN, BS, etc.

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field Tiitm950.sorg to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**44**	Field format	**n..2**	Field status	**C**
Field name		**Hazard Class**			

Description: The hazard class according to the standardization organization used.

Example according to UN:
1 = Not used
2 = Gases
3 = Flammable liquids
4 = Flammable solids
5 = Oxydable
6 = Poisonous
7 = Radioactive
8 = Corrosive
9 = Danger of severe chemical reaction

Other standardization organizations use similar systems.
A doubling of the digit means the danger is particularly severe.

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field Tiitm950.hacl to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**45**	Field format	**n..6**	Field status	**C**
Field name		**Material Code**			

Description: The material code for the hazardous material.

For example, UN provides a list, on which all hazardous materials allowed for transport under UN agreement, are coded. This code allows a direct identification of the substance. Other standards use similar coding systems.

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field Tiitm950.maco to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**46**	Field format	**an..35**	Field status	**C**
Field name		**Proper Shipping Name**			

Description: The proper shipping name for the respective item. The proper shipping name is the technically correct name for the hazardous material, which might be carried under its marketing name elsewhere.

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field Tiitm950.shna to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**47**	Field format	**an..4**	Field status	**C**
Field name		**Packing Group**			

Description: The code of the packing the hazardous materials are shipped in.

Processing outgoing

EDI-subsystem: None

BAAN: Mapping of BAAN field Tiitm950.pgrp to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**48**	Field format	**an7**	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’.

Processing incoming

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

BAAN: None

SA5 ASN 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.

Advanced 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	M	An3	SA5		SA5	
2.	Message reference	O/I	M	An..14	tcedi701.bano	Generation (see below)	tcedi702.bano	Generation by EDI subsystem
3.	Network address supplier / customer		M	An..17	tcedi028.neta	Conversion (see below)	tcedi702.reno	Conversion (see below)
4.	Shipping note number (shipping note header tdssc017)	O/I	M	n..9 an..30	tdssc019.ides		tdpsc040.sdoc	
5.	Position shipping note number	O/I	M	n..3	tdssc019.pono		tdpsc041.pono	
6.	Packaging number customer		M	an..35 an..16	tdssc019.item	Conversion (see below)	tdpsc042.item	
7.	Packaging number supplier		M	an..35 an..25	tdssc019.item		tdpsc042.sitm	
8.	Number packages		M	n..6	tdssc019.puqt		tdpsc042.puqt	
9.	Filling quantity		C	n..15	tdssc019.cqty		tdpsc042.cqty	
10.	Unit of shipped quantity		C	an..3	tdssc018.cuqs	Conversion (see below)	tdpsc042.cuqs	Conversion (see below)
11.	Serial number from		C	n..6 an..30	tdssc019.pnof		tdpsc042.pano	
12.	Serial number to		C	n..6 an..30	tdssc019.pnot		tdpsc042.pant	
13.	Storage load factor		C	n..4		not filled at the moment (...;;...)	tdpsc042.stfc	
14.	Label identification		C	n1	tdssc019.lblc		tdpsc042.lblc	
15.	Packaging identification		C	an1	tiitm001.onew		tdpsc042.pidn	

Advanced 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**
16.	Property identification		C	an1		not filled at the moment (...;;...)	tdpsc042.prid	
17.	Packaging Type		C	n1	tdssc019.ptyp		tdpsc042.ptyp	
18.	Parent Package Number		C	an..30	tdssc019.ppno		tdpsc042.ppno	
19.	Parent Advice Note		C	n..9	tdssc019.pdes			
20.	Parent Package Position		C	n..4	tdssc019.ppnb			
21.	Qualifier item number		M	an2	SA		SA	
22.	Package Level		C	n..8	tdssc019.plvl			
23.	Reference/ Customer Authorization		C	an12	tdssc019.ican			
24.	Additional Field 1 (PSA: Routing Code)		C	an30	tdssc019.iedi(1)			
25.	Additional Field 2 (PSA: Routing Code)		C	an30	tdssc019.iedi(2)			
26.	Additional Field 3 (PSA: Destination Point)		C	an30	tdssc019.iedi(3)			
27.	Additional Field 4		C	an30	tdssc019.iedi(4)			
28.	Additional Field 5		C	an30	tdssc019.iedi(5)			
29.	End of record sign Constant ‘SA5_END”		M	an7				

Detailed description

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Record type**			

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	**an..14**	Field status	**M**
Field name	**Message reference**			(key field out/in)	

Description: This field identifies all connected records of one shipment notification. The message reference has to be clear by shipment notification. The numbering helps to control the chronological order of the ASNs 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 an ASN.

Processing incoming

EDI subsystem: The EDI subsystem generates this number to identify the ASN and writes it into all records of the ASN.

BAAN: Mapping to BAAN field tcedi702.bano

Position	**3**	Field format	**an..17**	Field status	**M**
Field name	**Network address customer / supplier**			(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 tcedi028.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 tcedi028 ‘Relations by network’. This identification is mapped to the BAAN field tcedi702.reno.

Position **4**	Field format	**out n..9 / in an..30** Field status	**M**
Field name	**Shipping Note Number**		

Description: Describes the clear identification of the shipping note.

This field contains a clear shipping note number with a maximum of 9 digits.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.ides to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.sdoc.

Position	**5**	Field format	**n..3**	Field status	**M**
Field name	**Position Shipping Note Number**				

Description: Describes the clear identification of the shipping note position.

This field contains a clear shipping note position with a maximum of 3 digits.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.pono to position.

Processing incoming

EDI subsystem: None

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

Position **6**	Field format	**out an..35 / in an..16**	Field status	**M**
Field name	**Packaging Number Customer**			

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

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.item to position after conversion of item codes to customer item codes.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to field tdpsc042.item

Position **7**	Field format	**out an..35 / in an..25**	Field status	**M**
Field name	**Packaging number supplier**			

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

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.item to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to field tdpsc042.sitm

Position	**8**	Field format	**n..6**	Field status	**M**
Field name		**Number packaging**			

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

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc042.puqt.

Position	**9**	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: *'NNNNNNNNNNN.NNNN'*.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.cqty to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc042.cqty.

Position	**10**	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: Mapping of BAAN field tdssc018.cuqs to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc042.cuqs.

Position **11**	Field format **out n..6 / in an..30**	Field status **C**
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: Mapping of BAAN field tdssc019.pnof to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc042.pano.

Position **12**	Field format **out n..6 / in an..30**	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: Mapping of BAAN field tdssc019.pnot to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc042.pant

Position **13**	Field format **out an..1 / in n..4**	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, empty Position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc042.stfc.

Position	**14**	Field format	**n..1**	Field status	**C**
Field name	**Label Identification**				

Description: Barcode identification of the goods label.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdssc019.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: Mapping of field value to BAAN field tdpsc042.lblc.

Position	**15**	Field format	**an1**	Field status	**C**
Field name		**Packaging identification**			

Description: This position is used as an indication whether this packing item can be reused

"1" means Yes

"2" mean No

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field Tiitm001.onew to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc042.pidn.

Position	**16**	Field format	**an1**	Field status	**C**
Field name		**Property identification**			

Description: Code which identifies who is the owner of the packaging item.

Use following codes:

K reused packaging; owner: customer

L reused packaging; owner: customer

D reused packaging; owner: third party

empty position: undefined

Processing outgoing

EDI subsystem: None

BAAN: None

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc042.prid.

Position	**17**	Field format	**n1**	Field status	**C**
Field name		**Packaging Type**			

Description: The package type identifies the way a package or container is used, and whether it is an inner package or outer package.

Main: A package of type main can be used to pack other (smaller) containers or the deliverable item that is defined in the contract. If package levels are used, only one 'Main' package per level is allowed.

Auxiliary: These packages are normally collected by a 'Main' package and are therefore unlimited. Auxiliary packages are items such as spacers, lids and so on.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.ptyp to position.

BAAN writes 1 = means Main
BAAN writes 2 = means Auxiliary

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc042.ptyp.

Position **18**	Field format	**an...30**	Field status	**C**
Field name	**Parent Packaging Number**			

Description: If the current line of packaging is defined as a child in a parent/child relationship, then this field is the package number of the Parent package.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.ppno to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc042.ppno.

Position	**19**	Field format	**n..9**	Field status	**C**
Field name		**Parent Advice Note**			

Description: If the current line of packaging is defined as a child in a parent-child relationship, then this field is the Advice note number of the Parent.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.pdes to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**20**	Field format	**n..9**	Field status	**C**
Field name		**Parent Package Position**			

Description: If the current line of packaging is defined as a child in a parent/child relationship, then this field is the Advice note Position of the Parent.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.ppnb to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**21**	Field format	**an2**	Field status	**M**
Field name		**Qualifier Item Number**			

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

Processing outgoing

EDI subsystem: None

BAAN: This field will be filled with the constant value 'SA'.

Processing incoming

EDI subsystem: This field will be filled with the constant value 'SA'.

BAAN: The qualifier must have been entered in the BAAN table tcedi232 (Item number IDs). It will be taken into account when the BAAN internal item number is determined from the customer's item number in position 5.

Position	**22**	Field format	**n..8**	Field status	**C**
Field name		**Package Level**			

Description: The package level identifies the level of a package item in a package hierarchy. The lowest level in the structure is '1' (= inner package), while 'n' represents the highest level (= outer package). If no structures are used, the field package level is set to 1 for all lines.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.plvl to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**23**	Field format	**an12**	Field status	**C**
Field name		**Reference/Customer Authorization**			

Description: Reference that has to be returned on package level.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.ican to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**24**	Field format	**an30**	Field status	**C**
Field name		**Additional Information 1**			

Description: Field to pass Additional Information

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.iedi(1) to position. In case of PSA this is the Routing Code.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**25**	Field format	**an30**	Field status	**C**
Field name		**Additional Information 2**			

Description: Field to pass Additional Information

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.iedi(2) to position. In case of PSA this is the Destination Point.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**26**	Field format	**an30**	Field status	**C**
Field name		**Additional Information 3**			

Description: Field to pass Additional Information

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.iedi(3) to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**27**	Field format	**an30**	Field status	**C**
Field name		**Additional Information 4**			

Description: Field to pass Additional Information

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.iedi(4) to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**28**	Field format	**an30**	Field status	**C**
Field name		**Additional Information 5**			

Description: Field to pass Additional Information

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.iedi(5) to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**29**	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

SA6 ASN Packaging Item Totals

Status : Optional

Frequency: Repeatable by shipping note

Description: This record type supports the transfer of packaging item totals. It is directly connected to the previous record type SA3 and can occur several times.

Advanced 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	M	An3	SA6			
2.	Message reference	O/I	M	An..14	tcedi701.bano	Generation (see below)		
3.	Network address supplier / customer		M	An..17	tcedi028.neta	Conversion (see below)		
4.	Shipping note number (shipping note header tdssc017)	O/I	M	n..9 an..30	tdssc019.ides			
5.	Packaging Item	O/I	M	an..16	tdssc080.item			
6	Packaging Item Quantity		M	n..6	tdssc080.puqt			
7.	End of record sign		M	an7	Constant SA6_END			

Detailed description

Position	**1**	Field format	**an3**	Field status	**M**
Field name		**Record type**			

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

It contains the fixed value ‘SA6’.

Processing outgoing

EDI subsystem: None

BAAN: The position is filled with the fixed value ‘SA6’.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**2**	Field format	**an..14**	Field status	**M**
Field name	**Message reference**			(key field out/in)	

Description: This field identifies all connected records of one shipment notification. The message reference has to be clear by shipment notification. The numbering helps to control the chronological order of the ASNs 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 an ASN.

Processing incoming

EDI subsystem: The EDI subsystem generates this number to identify the ASN and writes it into all records of the ASN.

BAAN: Mapping to BAAN field tcedi702.bano

Position	**3**	Field format	**an..17**	Field status	**M**
Field name	**Network address customer / supplier**			(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 tcedi028.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 tcedi028 ‘Relations by network’. This identification is mapped to the BAAN field tcedi702.reno.

Position **4**	Field format	**out n..9 / in an..30**	Field status	**M**
Field name	**Shipping Note Number**			

Description: Describes the clear identification of the shipping note.

This field contains a clear shipping note number with a maximum of 9 digits.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc019.ides to position.

Processing incoming

EDI subsystem: None

BAAN: Mapping of field value to BAAN field tdpsc040.sdoc.

Position	**5**	Field format	**an..16**	Field status	**M**
Field name		**Packaging Item**			

Description: Packaging Item Number.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc080.item to position.

Processing incoming

EDI subsystem: None

BAAN: None

Position	**6**	Field format	**n..6**	Field status	**M**
Field name		**Packaging Item Quantity**			

Description: Packaging Item Quantity.

Processing outgoing

EDI subsystem: None

BAAN: Mapping of BAAN field tdssc080.puqt to position.

Processing incoming

EDI subsystem: None

BAAN: None

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

Description: The field identifies the end of the record.

Contents: ‘SA6_END’

Processing outgoing

EDI subsystem: None

BAAN: The position is filled with the fixed value ‘SA6_END’.

Processing incoming

EDI subsystem: None

BAAN: None

3 Sample file incoming/outgoing message

```
"SA1";"F8109811120139";"Metall Isernhg.";"F810";"ASN-
IO";"BEMIS";"856";"";199811

12;1610;"";"SA1_END"

"SA3";"F8109811120139";"Metall
Isernhg.";4;"400675";;;;0;19980827;0;;"";"";"";""

;;"";;"";0;0;0;0;2;0;;0;19980827;0;"Forwarding
Agent";"";"";0;"";"";0;"";2;"";""

;"";"";0;"";"";0;"";"";"010";"";0;2;2;0;2;"DP";"ZZ";"S
A3_END"

"SA4";"F8109811120139";"Metall Isernhg.";4;10;"LS1-
4004";"LS1";"";1;"PCE";"4004-

23421";2;"";"";"";"";19980827;19980827;"";1;0;1;0;"";0
;"";"";"";0;"";150;"320";"

";"";"";"";"";1;"DP";"ZZ";"SA";0;"SA4_END"

"SA5";"F8109811120139";"Metall
Isernhg.";4;10;"100";"KLT4316";1;1;"PCE";"0";"0";

;0;1;;1;0;0;0;"SA";;"SA5_END"

"SA1";"F8109811120140";"Metall Isernhg.";"F810";"ASN-
IO";"BEMIS";"856";"";199811

12;1610;"";"SA1_END"

"SA3";"F8109811120140";"Metall
Isernhg.";100464;"06011998810";;;19980904;0;19980

904;0;;"TDB3";"01";"26";"";;"";;"";0;0;0;0;2;0;1998083
1;1600;19980831;1700;"Forw

arding
Agent";"";"";0;"";"";1;"01";2;"";"";"";"";0;"Hannover
- Ede - Hannover";"

01";0;"";"4004";"Ford add.
Plant";"002";0;2;2;2;2;"DP";"ZZ";"SA3_END"
```

```
"SA4";"F8109811120140";"Metall
Isernhg.";100464;10;"810 005 001 - 1000";"810 005
001";"";5;"KGM";"000006";2;"0000000000000001";"S";"";"
";19980831;19980831;"0000
06";5;5;1;0;"";0;"";"";"";0;"";124.1234;"200";"";"DC1"
;"WE-DC1";"";"";1;"DP";"ZZ
";"SA";0;"SA4_END"
"SA5";"F8109811120140";"Metall
Isernhg.";100464;10;"100";"KLT4316";1;5;"KGM";"0"
;"0";;0;1;;1;0;0;0;"SA";;"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
CINDI	Common Identification Number for Delivery Improvement
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 Provider
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
ODETTE	European standard for electronic data exchange
PSA	Peugeot Citroen Sociétè anonyme
SCH	Supply Chain
Semaphore	Method to show a status by use of 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