Definition of BEMIS SHP001 Import and Export File for Business Document Type Shipping Schedule

INFOR™

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About this Guide

Objective

This document describes the content and the corresponding structure of the EDI message "Shipping Schedule", which is supported by Baan Electronic Message, the ERP LN in-house format.

The message's content refers to the following origin message types and gives their attribution to the transferred ASCII file of the BEMIS format:

- EDIFACT   DELFOR

- ANSI X12   862

- VDA   4915

The message structure is defined by referring to incoming directions and outgoing directions.

The document contains the following chapters:

Chapter 1, "General Principles", provides a general introduction to the EDI in-house format for the Business Document type Shipping Schedule.

Chapter 2, "Data Record Description by Kind of Data Record", describes in detail the data records used for the EDI in-house format of EDI message Shipping Schedule.

Chapter 3, "Definitions, Acronyms, and Abbreviations", provides a glossary of terms used in Infor ERP LN and in this document, and also a list of abbreviations.

Appendix A, "Sample File", provides a sample file for the outgoing message SHP001.

Intended audience

This document is intended for the following categories of users:

- Users who want to understand what the processed information of the EDI messages in ERP LN are.

- Users who develop the translation from external EDI format to the in-house format.

References

The following documents might be of importance:

No.	Document number	Title
1	U8912A US	*User's Guide for BEMIS*
2	U8998A US	*User's Guide for EDI Business Documents*
3	U9443B US	*Definition of BEMIS MRL001 Import and Export File…*

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In your e-mail, refer to the document code and title. More specific information will enable us to process feedback efficiently.

Chapter 1
General Principles

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Available types of data records

This section describes the EDI in-house format for the Business Document type Shipping Schedule (incoming/outgoing). When you transmit information about shipping schedules, the use of the following types of data records is conditional (C) or respectively mandatory (M).

ID	Status	Name
SA1	M	Global Overhead
SA2	M	Release Header
SA3	M	Schedule Header
SA4	C	Schedule Header Text
SA5	M	Authorizations
SA6	M	Schedule Lines

Branching diagrams

The following data record structure is used for the BEMIS message type Shipping Schedule:

Level
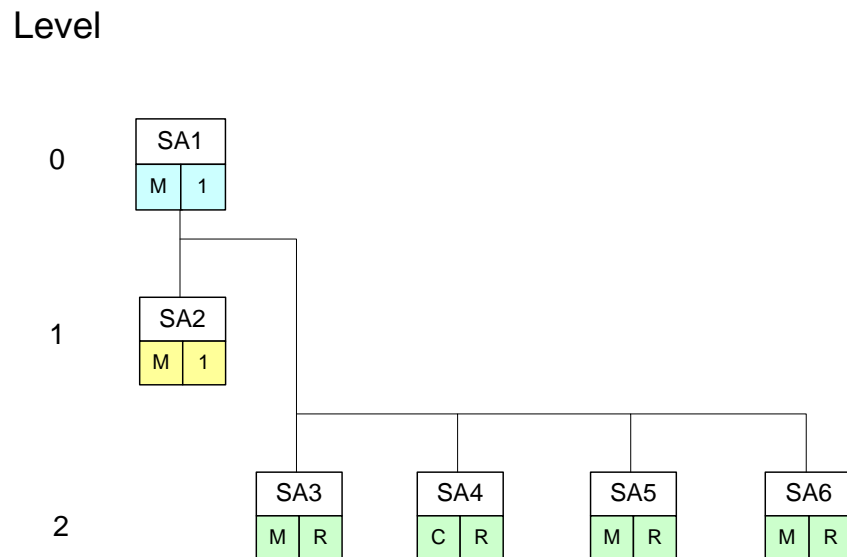
Legend:

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

For example, for two required releases with each two schedules the BEMIS file has the following structure:

SA1 ... Global Overhead

SA2 ... Release Header 1

SA3 ... Schedule Header 1

SA5. .. Authorizations 1

SA6 ... Schedule Line 11

SA6 … Schedule Line 12

SA6 … Schedule Line 12

SA3 … Schedule Header 2

SA4 … Schedule Text 2

SA5 … Authorizations 2

SA6 ... Schedule Line 21

SA1 ... Global Overhead

SA2 ... Release Header 2

SA3 ... Schedule Header 1

SA4 ... Schedule Text 1

SA5... Authorizations

SA6 ... Schedule Line 11

SA3 ... Schedule Header 2

SA4.... Schedule Text 2

SA5 ... Authorizations 2

SA6 ... Schedule Line 21

SA6 … Schedule Line 22

Key fields outgoing

The outgoing message refers to the Buy-from-BP and the Purchase Schedule Release. The following structure of the key fields is used to determine the corresponding data records of a Shipping Schedule message:

Sorted by Key Kind Data Rec.		key 1	key 2	key 3	key 4	key 5	key 6
field 1	Backpt						
SA1		Message ref.	BP net ID				
SA2	1	Message ref.	BP net ID				
SA3	2	Message ref.	BP net ID	Release	Release revision		
SA4	3	Message ref.	BP net ID	Release	Release revision	Release Position	Schedule
SA5	3	Message ref.	BP net ID	Release	Release revision	Release Position	Schedule
SA6	3	Message ref.	BP net ID	Release	Release revision	Release Position	Schedule

Key fields incoming

The incoming message refers to the Sold-to-BP and the Sales Schedule Releases. The following structure of the key fields is used to determine the corresponding data records of a Shipping Schedule message:

Sorted by Key Kind Data Rec.		key 1	key 2	key 3	key 4	key 5	key 6
field 1	Backpt						
SA1		Message ref.	BP net ID				
SA2	1	Message ref.	BP net ID				
SA3	2	Message ref.	BP net ID	Release	Release Revision		
SA4	3	Message ref.	BP net ID	Release	Release Revision	Release Position	Schedule
SA5	3	Message ref.	BP net ID	Release	Release Revision	Release Position	Schedule
SA6	3	Message ref.	BP net ID	Release	Release Revision	Release Position	Schedule

Business partner relations

The following table shows the business partner relations:

Outgoing Schedule Releases		Incoming Schedule Releases	
ID of the sender	ecedi020.neta	Sold-to BP Code	tdsls312.ofbp
Ship-From BP-Code	tdpur320.sfbp	Warehouse Code	tdsls315.cwar
Warehouse Code	tdpur320.cwar	Ship-to BP Code	tdsls312.stbp
Ship-to Address Code	tdpur320.stad	Ship-to Address Code	tdsls312.stad

Network directories

In the Direct Network Communication (ecedi7205m000) session, the user can receive and generate EDI messages.

As written in the User's Guide EDI Business Document [2], the communication is done between the EDI Sub-System and ERP LN to transfer the message's ASCII files across the specific network. This communication is based on the network directories that are established in ERP LN.

The network basis directories for each network will be defined in the ecedi0120m000 session.

The ERP LN user can decide the structure of the used network directories, such as the following:

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

- For a group of message types, such as schedules, one network directory can be used for outgoing messages and one can be used for incoming messages.

- Every business partner can use their own network directory, and the files would be able to contain data for several messages types.

Infor recommends the second possibility.

For the network BEMIS, for example, the basis directories can be indicated in the following way:

- /${BSE}/edi /bemis/schedule/

ERP LN will additionally create the following subdirectories:

- /${BSE}/edi/bemis/schedule/appl_from/
- /${BSE}/edi/bemis/schedule/appl_to/
- /${BSE}/edi/bemis/schedule/command/
- /${BSE}/edi/bemis/schedule/store_recv/
- /${BSE}/edi/bemis/schedule/store_sent/
- /${BSE}/edi/bemis/schedule/trace/

The above mentioned directories refer to the message type of schedule as "Shipping Schedule". The directories have the following functions:

- **.../appl_from/:** In this directory, ERP LN records the outgoing messages that are the defined BEMIS in-house format files. The EDI Subsystem can collect them from here.

- **.../appl_to/:** The EDI Subsystem writes the incoming message into this directory in the ERP LN in-house format.

- **.../command/:** A directory of the semaphores.

- **.../store_recv/:** ERP LN stores processed incoming messages in this directory, if the corresponding EDI parameter is set in this way. During this process, an additional subdirectory by incoming message file is created; the subdirectory is named with a date and time stamp that indicates when the message was moved.

- **.../store_sent/:** ERP LN stores processed outgoing messages in this directory, if the corresponding EDI parameter is set in this way. During this process, an additional subdirectory by incoming message file is created; the subdirectory is named with a date and time stamp that indicates when the message was moved.

- **…/trace/:** ERP LN creates a log of the incoming messages and outgoing messages in the processing order in this directory, if the corresponding EDI parameter is set in this way.

The file name of the BEMIS in-house format files of the shipping schedule, which is being described in this documentation, is defined in the following way:

Direction	File Name	Network Directory
outgoing	SHP001	/${BSE}/edi/bemis/schedule/appl_from
incoming	SHP001	/${BSE}/edi/bemis/schedule/appl_to

ERP LN BEMIS messages – conventions

Written in the User's Guide for BEMIS [1], we use the following rules to structure the EDI message:

- Each data segment is defined by a unique code in an EDI message. The format of the data segment code is SA99. Each segment (message record) starts with the unique code "Sax"; the message record ends with "SAx_END".

- The length of the several data segments can vary.

- Even if some fields do not contain a value, each data segment (message record) must consist of all fields.

- The fields in the file must be separated by a defined sign, such as a semicolon (;)

- A filled string field must be put inside quotation marks ("....").

- If a position in a BEMIS Message File is not taken by a value, which means that the position is empty, then the position is pointed out using two semicolons. Also, the ERP LN EDI Module distinguishes between numerical data and alphanumerical data format, as shown in the following examples:

Empty numerical Position: "SAx"; … ; ; … ;"SAx_END"

Empty alphanumerical Position: Infor differs between the following, in case the field exists in the LN database:

"SAx"; … ; ; … ;"SAx_END"   and   "SAx"; … ; ""; … ;"SAx_END"

In the following sections are the format descriptions of the individual types of data segments (message records) of the interface file. The table contains the following data:

SCHEDULE IN-HOUSE FORMAT

Pos	Field description	Key	ST	FM

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

Pos   Position of the field in the data record

Field description   Description of the field

Key   Key field outgoing (O) / incoming (I)

ST   Field status mandatory (M) / conditional (C)

FM   Field format, for example.

                    an..14 = alphanumerical field with a maximum of 14 characters

                    an14   = alphanumerical field with exactly 14 characters

                    n..10 = numerical field with a maximum of 10 characters

                    n1   = numerical field with exactly 1 character

The second block of the table describes the corresponding table field in ERP LN and describes possible special actions, which will be carried out when the messages are being processed.

from Application Table Field (out) / Mapping to Table Field (in)

Table Field	Action

Following the table overview, every field is described in a more detailed way, including information about the processing in the EDI Sub-System and in ERP LN.

Consider one exception: if a position of the data record is not currently used, then Infor omits the detailed description of this empty position.

What is new in comparison to BEMIS for BAAN V?

The EDI Delivery Schedule Message referring to the EDIFACT DELFOR could not be processed in Baan V standard software.

The ERP LN includes the EDI Schedule processing similarly to the Delivery and Shipping Schedule application of the Baan IV SCH / SCC / AGS versions.

Additionally the ERP LN In-house format considers the processing of several schedule's releases. The release gives a possibility to collect several

schedules and to track the transferred schedules of a Business Partner. The covering is done by the mandatory data record SA2 in SHP. A schedule release is only used for the EDI processing.

What is new in comparison to BEMIS for Feature Pack 3 for Infor ERP LN 6.1?

The new version is based on the version for Feature Pack 3 for Infor ERP LN 6.1 and can only be used up from Feature Pack 6 for ERP LN 6.1.

The new defaults for Incoming direction are now based on release tables (tdsls308 and tdsls315).

Changes SA6 – Schedule Lines

Field Number	Outgoing	Incoming
40 – new	NA	tdsls315.dlpt
45 - new	SA6_END old position was 40	NA

Chapter 2
Data Record Description by Type of Data Record

2

SA1 Message Overhead

Status: Mandatory

Frequency: Once by Release

Description: This data record contains information about the transmitter, the message type and the time of the transmission. The message reference identifies all related data records of this message.

	SHP In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA1		SA1	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Net ID of Receiver		M	an..17	ecedi028.neta	Conversion (see below)		

Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
5	Message		M	an..6	ecedi001.code	Conversion (see below)	ecedi702.mess	Conversion (see below)
6	Organization		M	an..6	ecedi003.code	Conversion (see below)	ecedi702.orga	Conversion (see below)
7	Order type		M	an..35	empty (…;;…)		ecedi702.koor	
8	Transmission reference		M	an..20	ecedi700.orno		ecedi702.msno	
9	Date / Time of transmission		M	n..14	current date / time		ecedi702.sent	
10	Transmission Reference old		C	an..20	empty (…;;…)		ecedi702.prno	
11								
12	Identifier of Test		C	an1	ecedi003.test	Empty means original message.	ecedi702.test	
13	Data record end sign		M	an7	SA1_END		SA1_END	

Detailed description: Shipping Schedule

Kind of data record: SA1 Message Overhead

Position	1	Field Format	an3	Field Status	M
Field Name		**Kind of Data Record**		Key field Out / IN	

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA1'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA1'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA1'.
ERP LN	None

Position	2	Field Format	an..14	Field Status	M
Field Name		**Message Reference**		Key field Out / IN	

Description	This field identifies all connected data records of one shipping schedule. The numbering, which has to be clear by SHP, helps to control the chronological order of the SHP and the complete transmission. The field consists of a fix item with four characters, the current date (format: YYMMDD) and a serial number with four characters.
	The special format will be defined in the network parameters in the ERP LN table ecedi020. When generating the message reference with the EDI Sub-System, the created message reference needs to be specific, which means unique. While storing the message reference ERP LN controls whether it is specific.
Processing outgoing EDI Sub-System	
ERP LN	ERP LN generates this number to identify a Shipping Schedule, stores it in the ERP LN table field ecedi701.bano and writes it into all data records of a SHP.
Processing Incoming EDI Sub-System	The EDI Sub-System generates this number to identify a Shipping Schedule and writes it into all data records of a SHP.
ERP LN	Mapping to ERP LN table field ecedi702.bano.

Position	3	Field Format	an..17	Field Status	M
Field Name		**Net ID of sender**		**Key field Out / In**	

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	Transmission of the value from the message file.
ERP LN	The identification is stored in the ERP LN table ecedi020 'Our Identification' under the corresponding network in the ERP LN table field ecedi020.neta. The content of this field is mapped to the position of the transmission file. Here you can store the general ILN-Number for your customer.
Processing Incoming EDI Sub-System	
ERP LN	The identification of the sender determines the corresponding business partner (customer) and the network in the table ecedi028 'Relations by network'. This identification is mapped to the ERP LN table field ecedi702.bpid.

Position	4	Field Format	an..17	Field Status	M
Field Name		**Net ID of Receiver**			

Description	This field contains the identification of receiver.
Processing outgoing EDI Sub-System	
ERP LN	The identification of the receiver (for example the ILN of the receiver) in the used network is entered in the table ecedi028. The ELP LN table field ecedi028.neta is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	On the incoming side this field will be ignored.

Position	5	Field Format	an..6	Field Status	M
Field Name		**Message**			

Description	This field contains the code for the identification of the concerned message. The code for the message type 'Shipping Schedule' is SHP001.
Processing outgoing EDI Sub-System	.
ERP LN	The internal message code ecedi001.code 'SHP001' of the ERP LN table ecedi001 'Supported EDI messages' is mapped to this position.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SHP001'.
ERP LN	The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this SHP. In the ERP LN table ecedi005 'EDI Messages' is determined for every message which session (DLL) is used in ERP LN to process the message. The message code is mapped to the ERP LN table field ecedi702.mess.

Position	6	Field Format	an..6	Field Status	M
Field Name		**Organization**			

Description	This field contains the organization (Standard), which is used for the EDI communication.
Processing outgoing EDI Sub-System	
ERP LN	The internal organization code ecedi003.code 'BEMIS' from the ERP LN table ecedi003 'Organizations' is mapped to this position.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'BEMIS'.
ERP LN	Mapping to ERP LN table field ecedi702.orga. The corresponding Organization must have been entered into the ERP LN table ecedi003.None

Position	7	Field Format	an..35	Field Status	M
Field Name		**Order Type**			

Description	This field contains a code for the concerned order type; the field is empty referring to the outgoing SHP001.
Processing outgoing EDI Sub-System	
ERP LN	None
Processing Incoming EDI Sub-System	
ERP LN	Mapping to ERP LN table field ecedi702.koor. In the ERP LN table ecedi200 there must be an entry for this order type in connection with the respective message and organization.

Position	8	Field Format	an..20	Field Status	M
Field Name		**Transmission Reference**			

Description	This field contains the reference code which the EDI Sub-System applied to this transmission.
Processing outgoing EDI Sub-System	
ERP LN	The position will be filled with the schedule release number from ERP LN table field ecedi700.orno
Processing Incoming EDI Sub-System	
ERP LN	Mapping to ERP LN table field ecedi702.msno.

Position	9	Field Format	n..14	Field Status	M
Field Name		**Date / Time of Transmission**			

Description	This field contains on the outgoing side the current date / time, on which the SHP message was created. On the incoming side, this field contains the arrival date / time of the message at the EDI Sub-System (format: YYYYMMDDHHMMSS).
Processing outgoing EDI Sub-System	
ERP LN	Mapping of the current date / time to the position.
Processing Incoming EDI Sub-System	Entry of the arrival date / time of the message at the EDI Sub-System.
ERP LN	Mapping to ERP LN table field ecedi702.send

Position	10	Field Format	an..20	Field Status	C
Field Name		**Transmission Reference Old**			

Description	This field contains the reference number, which the EDI Sub-System applied to the previous transmission.
Processing outgoing EDI Sub-System	
ERP LN	Not used
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.
ERP LN	Mapping to ERP LN table field ecedi702.prno.

Position	12	Field Format	an1	Field Status	C
Field Name		**Identifier of Test**			

Description	This field contains the code that will identify incoming messages for this organization as test messages. A test message is checked, but not copied to the database.
Processing outgoing EDI Sub-System	
ERP LN	The position will be filled with the ERP LN table field ecedi003.test
Processing Incoming EDI Sub-System	Transmission of the value from the transmission file.
ERP LN	Mapping to ERP LN table field ecedi702.test.

Position	13	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA1_END'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA1_END'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA1_END'.
ERP LN	None

SA2 Release Header

Status:	Mandatory	
Frequency:	Once by Release	
Description:	This data record contains all information of the Release Header except of text data, and it is related to SA1.	

SHP In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA2		SA2	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	(Net) ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	tdsls312.ofbp	Conversion (see below)
4	Release No.		M	an..9	tdpur320.rlno		tdsls312.crln	
5	Release revision		M	n..4	tdpur320.rlrv		tdsls312.crlr	
6	Release type		M	an6	tdpur320.rtyp		tdsls312.rtyp	
7	Transaction set purpose		M	an7	"Replace"			
8	Qualifier Buy-from BP		M	an6	"OFBP"			
9	Buy-from BP		M	an..9	tdpur320.bfbp			
10	Qualifier Ship-to BP		M	an6	"STBP"			
11	Ship-from BP		M	an..9	tdpur320.sfbp			
12	Ship-to-Address		M	an..6	tdpur320.stad	Conversion	tdsls312.stad	Conversion
13	Shipment/delivery based		M	n1	tdpur320.tqal	Conversion Schedule Type	tdsls312.sodb	Conversion

SHP In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	**Field Description**	**Key**	**ST**	**FM**	**Table field**	**Action**	**Table field**	**Action**
14	Schedule quantity qualifier		M	an1	"A"		tdsls312.qqal	Conversion
15	Forecast Horizon Start Date		C	n..22	tdpur320.fohs		tdsls312.fohs	
16	Forecast Horizon End Date		C	n..22	tdpur320.fohe		tdsls312.fohe	
17	Generation Date		M	n..22	tdpur320.egdt		tdsls312.egdt	
18	Qualifier Address Code		C	an..6	ZZ		ZZ	
19	Warehouse / Ship-to BP		M	an..6	tdpur320.cwar	Conversion	tdsls312.stpb	Conversion
20	Data Record End Sign	O/I	M	an7	SA2_END		SA2_END	

Detailed description: Shipping Schedule

Kind of data record: SA2 Release Header

Position	1	Field Format	an3	Field Status	M
Field Name		**Kind of Data Record**		Key field Out / IN	

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA2'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA2'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA2'.
ERP LN	None

Position	2	Field Format	an..35	Field Status	M
Field Name		**Message Reference**		Key field Out / IN	

Description	This field identifies all connected data records of one Shipping Schedule Release. The numbering, which has to be clear by SHP, helps to control the chronological order of the SHP and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	ERP LN generates this number to identify a Shipping Schedule Release, stores it in the ERP LN table field ecedi701.bano and writes it into all data records of a SHP.
Processing Incoming EDI Sub-System	The EDI Sub-System generates this number to identify a Shipping Schedule Release and writes it into all data records of a SHP.
ERP LN	Mapping to ERP LN table field ecedi702.bano.

Position	3	Field Format	an..17	Field Status	M
Field Name		**(Net) ID of sender**		**Key field Out / In**	

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	Transmission of the value from the message file.
ERP LN	The identification is stored in the ERP LN table ecedi020 'Our Identification' under the corresponding network in the ERP LN table field ecedi020.neta. The contents of this field are mapped to the position of the transmission file. Here you can store the general ILN-Number for your customer.
Processing Incoming EDI Sub-System	
ERP LN	The identification of the sender determines the corresponding business partner (customer) and the network in the table ecedi028 'Relations by network'. This identification is mapped to the ERP LN table field tdsls312.ofbp. Pos. 18 is used as first qualifier, pos. 8 as second qualifier.

Position	4	Field Format	an..9	Field Status	M
Field Name		**Release Number**		**Key field Out / In**	

Description	This field contains the origin Release Number of the related schedules.
Processing outgoing EDI Sub-System	None
ERP LN	The Release number is mapped from ERP LN table field tdpur320.rlno to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to ERP LN table field tdsls312.crln; the customer release

Position	5	Field Format	n..4	Field Status	M
Field Name		**Release Revision Number**			

Description	This field contains the Release Revision Number.
Processing outgoing EDI Sub-System	None
ERP LN	The Revision number is mapped from ERP LN table field tdpur320.rlrv to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to ERP LN table field tdsls312.crlr; customer's release revision.

Position	6	Field Format	an6	Field Status	M
Field Name		**Release Type**			

Description	This field contains the Release Type to identify the kind of schedules.
Processing outgoing EDI Sub-System	None
ERP LN	The Release type equals the type of EDI message. It is mapped from the ERP LN table field tdpur320.rtyp to this position. It contains the numeric value 2 (Shipping Schedule).
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to ERP LN table field tdsls312.rtyp

Position	7	Field Format		an7	Field Status		M
Field Name			**Transaction set Purpose**				

Description	This field describes the type of the release that is transmitted. It can be of type 'Replace', 'Update', 'Cancel' etc.
Processing outgoing EDI Sub-System	None
ERP LN	This field will be filled with the constant value equivalent to 'Replace'.
Processing Incoming EDI Sub-System	
ERP LN	

Position	8	Field Format		an6	Field Status		M
Field Name			**Qualifier Buy-from-BP**				

Description	This position contains the qualifier to identify the Business partner.
Processing outgoing EDI Sub-System	None
ERP LN	This field will be filled with the constant value "OFBP"
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Field can be used as qualifier 2 on field tdsls312.ofbp (field 3).

Position	9	Field Format	an..9	Field Status	M
Field Name		**Buy-from-BP / Sold-to-BP**			

Description	This position contains the code for the Business Partner where the customer buys its goods.
Processing outgoing EDI Sub-System	None
ERP LN	The Code for the Buy From Business Partner from ERP LN table field tdpur400.otbp is converted using the conversion table ecedi463 and the default Qualifier "ZZ", and it is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	The Code for the Sold-To-Business Partner has to convert using the conversion table ecedi363 and Address Code ID given in ecedi224 = "ZZ", and it has to map to the EREP LN table field tdsls400.ofbp.

Position	10	Field Format	an6	Field Status	M
Field Name		**Qualifier Ship-to-BP**			

Description	This position contains the qualifier to identify the Business partner.
Processing outgoing EDI Sub-System	None
ERP LN	This field will be filled with the constant value "STBP"
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Field can be used as qualifier 2 on field tdsls312.stbp

Position	11	Field Format	an..9	Field Status	M

Field Name	Ship-from-BP / Ship-to-BP

Description	This position contains the code for the Ship-from / Ship-to Business Partner.
Processing outgoing EDI Sub-System	None
ERP LN	The Code for the ship-from Business Partner from ERP LN table field tdpur320.sfbp is converted using the conversion table ecedi463 or the constant "STBP" and the default Qualifier "ZZ", and it is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	The Code for the Ship-To-Business Partner has to convert using the conversion table ecedi363 or the constant value "STBP" and Address Code ID given in ecedi224 = "ZZ", and it has to map to the EREP LN table field tdsls312.ofbp.

Position	12	Field Format	an..6	Field Status	M

Field Name	Ship-To Address

Description	This field contains the ship-to address code.
Processing outgoing EDI Sub-System	None
ERP LN	The ship to address code from ERP LN table field tdpur320.stad is mapped to this position. Conversion table is ecedi463. If conversion not found then original value will be sent.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	It is mapped to tdsls312.stad. Conversion table is ecedi363. Position 18 is used as qualifier.

Position	13	Field Format	n1	Field Status	M
Field Name		**Shipment or delivery based**			

Description

This field identifies whether the goods need to be picked or delivered. Based on this value the delivery date of the goods will be calculated.

Processing outgoing
EDI Sub-System

None

ERP LN

This field is mapped from the ERP LN table field ftdpur320.tqal to this position after conversion by the table Schedule type ecedi413.
If conversion not found then the original value will be sent.

Processing Incoming
EDI Sub-System

Transmission of the value from the message file

ERP LN

This field is mapped to table field tdsls312.sodb Conversion table is ecedi351. If conversion not found then error message is given.

Position	14	Field Format	an1	Field Status	M
Field Name		**Schedule Quantity Qualifier**	Key field		

Description

This field identifies the quantity qualifier of the schedule. It communicates whether the quantity is cumulative or discrete.

Processing outgoing
EDI Sub-System

None

ERP LN

This field will be filled with the constant value 'A' (actual values = discrete).

Processing Incoming
EDI Sub-System

Transmission of the value from the message file

ERP LN

This field is mapped to table field tdsls312.qqal. Conversion table is ecedi352. If conversion not found then error message is given. Constant values 'A' and 'C' (cumulative) are allowed values.

Position	15	Field Format	n..22	Field Status	C
Field Name		**Forecast Horizon Start Date**			

Description	This field identifies the start date for the requirements under release
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur320.fohs to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	This field is mapped to table field tdsls312.fohs

Position	16	Field Format	n..22	Field Status	C
Field Name		**Forecast Horizon End Date**			

Description	This field identifies the end date for the requirements under release
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur320.fohe to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	This field is mapped to table field tdsls312.fohe

Position	17	Field Format	n..22	Field Status	M
Field Name		**Generation Date**			

Description	This field identifies the release generation date
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur320.egdt to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	This field is mapped to table field tdsls312.egdt

Position	18	Field Format	an..6	Field Status	M
Field Name		**Qualifier Address Code**		Key field	

Description	This position is used to store the default qualifier 1for the Address code which is defined in the message definition. It can be used to identify the sender, ship-to warehouse and ship-to address.
Processing outgoing EDI Sub-System	None
ERP LN	"ZZ"
Processing Incoming EDI Sub-System	
ERP LN	This field will be filled with the constant value "ZZ". The field can be used as (first) qualifier on field tdsls312.ofbp (pos. 3); tdsls312.stad (pos. 12); tdsls312.stbp (pos. 19)

Position	19	Field Format	an..6	Field Status	M
Field Name		**Warehouse / Ship-To BP**			

Description	This field contains the ship-to address code.
Processing outgoing EDI Sub-System	None
ERP LN	The ship to address code from ERP LN table field tdpur320.cwar is mapped to this position. Conversion table is ecedi462.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	It is mapped to tdsls312.stbp. Conversion table is ecedi328. Position 18 is used as qualifier 1.

Position	20	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

Description

This field identifies the end of data record in the message block. It contains the constant value 'SA2_END'.

Processing outgoing
EDI Sub-System

ERP LN

This field will be filled with the constant value 'SA2_END'.

Processing Incoming
EDI Sub-System

This field will be filled with the constant value 'SA2_END'.

ERP LN

None

SA3 Schedule Header

Status: Mandatory

Frequency: Multiple by Release

Description: This data record contains all information of the Schedule Header except of text data, and it is related to SA2.

	MRL In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA3		SA3	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	(Net) ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	tdsls312.ofbp	Conversion (see below)
4	Release No.	O/I	M	an..9	tdpur320.rlno		tdsls312.crln	
5	Release revision	O/I	M	n..4	tdpur320.rlrv		tdsls312.crlr	
6	Release Position		M	an..6	tdpur321.rpon		tdsls308.cpon	
7	Original Schedule Number		M	an..9	tdpur321.schn		tdsls315.cchn	
8	Ship-from BP / WH		M	an..9	tdpur310.sfbp	Conversion	tdsls315.cwar	Conversion
9	Warehouse / Ship-to BP		M	an..9	tdpur310.cwar		tdsls315.stbp	Conversion
10	Item		M	an..47	tdpur310.item	Conversion	tdsls308.item	Conversion
11	Ship-to-Address		M	an..6	tdpur320.stad	Conversion	tdsls308.stad	Conversion
12	Qualifier Delivery Point		M	an..2	"DP"			
13	Buy-from BP / Sales Office		M	an..9	tdpur310.bfbp	Conversion	tdsls308.cofc	Conversion

MRL In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
14								
15	Contract number		C	an..9	tdpur310.cono			
16	Contract Position		C	n..2	tdpur310.pono			
17	Purchase Office		C	an..9	tdpur310.cofc	Conversion		
18	Inventory Unit		M	an..3	tcibd001.cuni	Conversion		
19	Last ASN creation date		C	n..22	whinh300.acdt			
20	Last BP's ASN		M	an..9	tdpur321.lasn		tdsls308.lasn	
21	Last Receipt date		M	n..22	tdpur321.lrdt		tdsls308.lrdt	
22	Last Receipt quantity		M	n..19	tdpur321.qilr		tdsls308.qilr	
23	Last Packing Slip		M	an..30	tdpur321.dino		tdsls308.lsid	
24	Receipt CUM		M	n..19	tdpur321.qicr		tdsls308.qicr	
25								
26	Prior required CUM		C	n..19	tdpur321.qicp		tdsls308.qicp	
27								
28	Sipped CUM		C	n..19	tdpur321.qics			
29	Engineering Item Revision		C	an..9	tdpur310.revi		tdsls308.revi	
30	Qualifier Address Code		M	an..6	"ZZ"		"ZZ"	
31	Qualifier Item Code		M	an..6	"SA"		"SA"	
32	Qualifier BP		M	an..6	"STBP"		"STBP"	
33	Contract Office		C	an..6	tdpur310.ccof			
34	Tax country		M	an..3	tdpur321.ccty	Conversion	tdsls315.ccty	Conversion
35	Tax Code		M	an..9	tdpur321.cvat	Conversion	tdsls315.cvat	Conversion
36	Exempt Reason		C	an..6	tdpur321.rcod	Conversion	tdsls315.rcod	Conversion

MRL In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
37	Exempt certificate		C	an..20	tdpur321.ceno		tdsls315.ceno	
38	Exempt		C	an..6	tdpur321.exmt		tdsls315.exmt	
39	BP Tax Country		M	an..3	tdpur321.bptc	Conversion	tdsls315.bptc	Conversion
40	Data Record End Sign	O/I	M	an7	SA3_END		SA3_END	

Note: header columns for Pos | Field Description | Key | ST | FM | Table field | Action | Table field | Action

Detailed description: Shipping Schedule

Kind of data record: SA3 Schedule Header

Position	1	Field Format	an3	Field Status	M
Field Name		**Kind of Data Record**		**Key field Out / IN**	

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

Processing outgoing
EDI Sub-System

ERP LN   This field will be filled with the constant value 'SA3'.

Processing Incoming
EDI Sub-System

                This field will be filled with the constant value 'SA3'.

ERP LN   None

Position	2	Field Format	an..35	Field Status	M
Field Name		**Message Reference**		Key field Out / IN	

Description	This field identifies all connected data records of one Shipping Schedule release. The numbering, which has to be clear by SHP, helps to control the chronological order of the SHP and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Analogously to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Analogously to data record SA2

Position	3	Field Format	an..17	Field Status	M
Field Name		**(Net) ID of sender**		Key field Out / IN	

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	Transmission of the value from the message file.
ERP LN	The identification is stored in the ERP LN table ecedi020 'Our Identification' under the corresponding network in the ERP LN table field ecedi020.neta. The contents of this field are mapped to the position of the transmission file. Here you can store the general ILN-Number for your customer.
Processing Incoming EDI Sub-System	
ERP LN	The identification of the sender determines the corresponding business partner (customer) and the network in the table ecedi028 'Relations by network'. This identification is mapped to the ERP LN table field tdsls312.ofbp. Pos. 18 is used as first qualifier, pos. 8 as second qualifier.

Position	4	Field Format	an..9	Field Status	M
Field Name		**Release Number**		Key field Out / IN	

Description   This field contains the origin Release Number of the related schedules.

Processing outgoing
EDI Sub-System   None

ERP LN   The Release number is mapped from ERP LN table field tdpur320.rlno to
                                               this position.

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   Mapping to ERP LN table field tdsls312.crln; the customer release

Position	5	Field Format	n..4	Field Status	M
Field Name		**Release Revision Number**		Key field Out/in	

Description   This field contains the Release Revision Number.

Processing outgoing
EDI Sub-System   None

ERP LN   The Revision number is mapped from ERP LN table field tdpur320.rlrv to
                                               this position.

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   Mapping to ERP LN table field tdsls312.crlr; customer's release revision.

Position	6	Field Format	n..4	Field Status	M
Field Name		**Release Position**			

Description	This field contains the Release Position.
Processing outgoing EDI Sub-System	None
ERP LN	The release position is mapped from the ERP LN table field tdpur321.rpon to this position
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	It is mapped to field tdsls308.cpon

Position	7	Field Format	an..9	Field Status	M
Field Name		**Schedule Number**			

Description	This position contains the original Schedule Number
Processing outgoing EDI Sub-System	None
ERP LN	The schedule number is mapped from the ERP LN table field tdpur310.schn to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapped to table field tdsls315.cchn

Position	8	Field Format	an..9	Field Status	M
Field Name		**Ship-from-BP / Warehouse**			

Description	This position contains the code for the Ship-from Business Partner who will deliver the goods.
Processing outgoing EDI Sub-System	None
ERP LN	The Code for the ship-from Business Partner from ERP LN table field tdpur310.sfbp is converted using the conversion table ecedi463 or the constant "STBP" and the default Qualifier "ZZ". If no conversion is found the original value is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	The value has to map to the ERP LN table field tdsls315.cwar after conversion by table ecedi355 and Address Code ID given in ecedi224 = "ZZ".

Position	9	Field Format	an..9	Field Status	M
Field Name		**Warehouse / Ship-to BP**			

Description	This field contains the warehouse (respective BP) code which expects the good's receipt.
Processing outgoing EDI Sub-System	None
ERP LN	The ship to address code from ERP LN table field tdpur310.cwar is mapped to this position. Conversion table is ecedi462.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	It is mapped to tdsls315.stbp. Conversion table is ecedi328. Position 30 is used as qualifier 1.

Position	10	Field Format	an..47	Field Status	M
Field Name		**Item**			

Description
This field contains the item code.

Processing outgoing
EDI Sub-System
None

ERP LN
The item code from ERP LN table field tdpur310.item is mapped to this position.

Processing Incoming
EDI Sub-System
Transmission of the value from the message file

ERP LN
Mapped to table field tdsls308.item after conversion with qualifier 'SA'. Position 31 is used as qualifier

Position	11	Field Format	an..6	Field Status	M
Field Name		**Ship-to Address**			

Description
This field contains the ship-to address code referring to the warehouse which expects the good's receipt.

Processing outgoing
EDI Sub-System
None

ERP LN
The ship to address code from ERP LN table field tdpur310.stad is mapped to this position. Conversion table is ecedi463.

Processing Incoming
EDI Sub-System
Transmission of the value from the message file.

ERP LN
It is mapped to tdsls308.stad. Conversion table is ecedi363. Position 30 is used as qualifier 1.

Position	12	Field Format	an..2	Field Status	M
Field Name		**Qualifier Delivery Point**			

Description	This field contains the qualifier which identifies the Delivery Point of position 11.
Processing outgoing EDI Sub-System	None
ERP LN	The value 'DP' is filled in this position
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	None

Position	13	Field Format	an..9	Field Status	M
Field Name		**Buy-from BP / Sales Office**			

Description	This field identifies the Buy-from BP who will deliver the goods or the responsible Sales Office to deliver the goods.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur310.bfbp to this position and converted using the table ecedi468. If conversion not found then the original value will be sent.
Processing Incoming EDI Sub-System	
ERP LN	The position is mapped to tdsls308.cofc after conversion using the table ecedi350. If conversion not found then the default sales office is filled either from Sold-to BP or user profiles.

Position	15	Field Format		an..9	Field Status		C
Field Name		**Contract Number**					

Description   This field contains the contract number.

Processing outgoing
EDI Sub-System   None

ERP LN   This field is mapped from the ERP LN table field tdpur310.cono to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	16	Field Format		n2	Field Status		C
Field Name		**Contract Position**					

Description   This field contains the contract position number.

Processing outgoing
EDI Sub-System   None

ERP LN   This field is mapped from the ERP LN table field tdpur310.pono to this position.

Processing Incoming
EDI Sub-System

ERP LN

Position	17	Field Format		an..9	Field Status		C
Field Name		**Purchase Office**					

Description   This field identifies the responsible Purchase Office.

Processing outgoing
EDI Sub-System   None

ERP LN   This field is mapped from the ERP LN table field tdpur310.cofc

Processing Incoming
EDI Sub-System

ERP LN   N. A.

Position	18	Field Format	an..3	Field Status	M
Field Name		**Inventory Unit**			

Description   This field identifies the inventory unit of the item

Processing outgoing
EDI Sub-System   None

ERP LN   This field is mapped from the ERP LN table field tcibd001.cuni to this
                                position after conversion by table ecedi442. If conversion not found then
                                original value will be sent.

Processing Incoming
EDI Sub-System

ERP LN   N. A.

Position	19	Field Format	n..22	Field Status	C
Field Name		**Last ASN Creation Date**			

Description   This field includes the last supplier's Advance Shipping Notice creation
                                date.

Processing outgoing
EDI Sub-System   None

ERP LN   This field has to be taken from warehouse depending on the ASN number,
                                it mapped to whinh300.acdt.

Processing Incoming
EDI Sub-System

ERP LN   N. A.

Position	20	Field Format	an..9	Field Status	M
Field Name		**Last Supplier's ASN**			

Description	This field includes the last supplier's Advance Shipping Notice Number.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur321.lasn to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls308.lasn

Position	21	Field Format	n..22	Field Status	M
Field Name		**Last Receipt Date**			

Description	This field includes the last good's receipt date
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur321.lrdt to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls308.lrdt

Position	22	Field Format	n..19	Field Status	M
Field Name		**Last Receipt Quantity**			

Description	This field includes the last receipt quantity referring to the last date.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur321.qilr to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls308.qilr

Position	23	Field Format	an..30	Field Status	M

Field Name	**Last Packing Slip No.**

Description	This field identifies the last supplier's shipment.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur321.dino to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls308.lsid

Position	24	Field Format	n..19	Field Status	M

Field Name	**CUM Received**

Description	This field includes the receipt cumulative quantity.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur321.qicr to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls308.qicr

Position	26	Field Format	n..19	Field Status	C

Field Name	**Prior required CUM**

Description	This field includes the prior required cumulative quantity.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur321.qicp to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls308.qicp

Position	28	Field Format	n..19	Field Status	C
Field Name		**CUM Shipped**			

Description — This field includes the already shipped cumulative.

Processing outgoing
EDI Sub-System — None

ERP LN — This field is mapped from the ERP LN table field tdpur321.qics to this position.

Processing Incoming
EDI Sub-System — Transmission of the value from the message file

ERP LN — Mapped to table field tdsls308.qics

Position	29	Field Format	n..6	Field Status	C
Field Name		**Engineering item revision**			

Description — This field identifies the engineering revision of the item.

Processing outgoing
EDI Sub-System — None

ERP LN — This field is mapped from the ERP LN table field tdpur310.revi to this position.

Processing Incoming
EDI Sub-System — Transmission of the value from the message file

ERP LN — Mapped to table field tdsls308.revi

Position	30	Field Format	an..6	Field Status	M
Field Name		**<u>Qualifier Address Code</u>**			

Description	This position is used to store the default qualifier 1for the Address code which is defined in the message definition. It can be used to identify the sender, ship-to warehouse and ship-to address.
Processing outgoing EDI Sub-System	None
ERP LN	"ZZ"
Processing Incoming EDI Sub-System	
ERP LN	This field will be filled with the constant value "ZZ". The field can be used as (first) qualifier on field tdsls312.ofbp (pos. 3); tdsls315.cwar (pos. 8); tdsls308.stbp (pos. 9)

Position	31	Field Format	an..6	Field Status	M
Field Name		**<u>Qualifier Item Code</u>**			

Description	This field contains the qualifier that can be used to identify the item. It will be filled with the constant value "SA"
Processing outgoing EDI Sub-System	None
ERP LN	"SA"
Processing Incoming EDI Sub-System	
ERP LN	This field will be filled with the constant value "SA".

Position	32	Field Format	an..6	Field Status	M
Field Name		**Qualifier Ship-to-BP**			

Description	This position contains the qualifier to identify the Business partner.
Processing outgoing EDI Sub-System	None
ERP LN	This field will be filled with the constant value "STBP"
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Field can be used as qualifier 2 on field tdsls308.stbp

Position	33	Field Format	an..6	Field Status	C
Field Name		**Contract Office**			

Description	This position contains the purchase office linked to the contract position.
Processing outgoing EDI Sub-System	None
ERP LN	This field will be mapped from the ERP LN table field tdpur310.ccof
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	34	Field Format	an..3	Field Status	M
Field Name		**Tax Country**			

Description	This field contains the country code which is linked to the tax code.
Processing outgoing EDI Sub-System	None
ERP LN	The tax country code is mapped from ERP LN table field tdpur321.ccty to this position after conversion with ERP LN table ecedi440.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tdsls315.ccty after conversion with ERP LN table ecedi302.

Position	35	Field Format	an..9	Field Status	M
Field Name		**Tax Code**			

Description | This field identifies the tax code.

Processing outgoing
EDI Sub-System | None

ERP LN | The tax code is mapped from ERP LN table field tdpur321.cvat to this position after conversion by ERP LN table ecedi446.

Processing Incoming
EDI Sub-System | Transmission of the value from the message file.

ERP LN | Mapping to the ERP LN table field tdsls315.cvat after conversion by table ecedi308.

Position	36	Field Format	an..6	Field Status	C
Field Name		**Exempt Reason**			

Description | This field contains the tax exempt reason code.

Processing outgoing
EDI Sub-System | None

ERP LN | The exempt reason is mapped from ERP LN table field tdpur321.rcod to this position after conversion with ERP LN table ecedi495.

Processing Incoming
EDI Sub-System | Transmission of the value from the message file.

ERP LN | Mapping to the ERP LN table field tdsls315.rdoc after conversion with ERP LN table ecedi353.

Position	37	Field Format	an..20	Field Status	C
Field Name		**Exempt certificate**			

Description   This field contains the tax exempt certificate number.

Processing outgoing
EDI Sub-System   None

ERP LN   The exempt certificate is mapped from ERP LN table field tdpur321.ceno to this position.

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   Mapping to the ERP LN table field tdsls315.ceno

Position	38	Field Format	an..6	Field Status	C
Field Name		**Exempt**			

Description   This field contains a qualifier if tax exemption applies or not.

Processing outgoing
EDI Sub-System

ERP LN   The exempt qualifier from ERP LN table field tdpur321.exmt is mapped to this position.

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   Mapping to the ERP LN table field tdsls315.exmt.

Position	39	Field Format	an..3	Field Status	M
Field Name		**BP Tax Country**			

Description	This field contains the tax country code of the Business Partner.
Processing outgoing EDI Sub-System	None
ERP LN	The business partner tax country code is mapped from ERP LN table tdpur321.bptc to this position after conversion with ERP LN table ecedi468.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tdsls315.bptc after conversion with ERP LN table ecedi328.

Position	40	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**			

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA3_END'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA3_END'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA3_END'.
ERP LN	None

SA4 Schedule Header Text

Status:	Conditional
Frequency:	Once by Release Position
Description:	This data record contains the text information of the Schedule Header and is related to SA3.

	SHP In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	**Field Description**	**Key**	**ST**	**FM**	**Table field**	**Action**	**Table field**	**Action**
1	Kind of data record	O/I	M	an3	SA4		SA4	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	(Net) ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	tdsls312.ofbp	Conversion (see below)
4	Release No.	O/I	M	an..9	tdpur320.rlno		tdsls312.crln	
5	Release revision	O/I	M	n..4	tdpur320.rlrv		tdsls312.crlr	
6	Release Position	O/I	M	an..6	tdpur321.rpon		tdsls308.cpon	
7	Original Schedule Number	O/I	M	an..9	tdpur321.schn		tdsls315.cchn	
8	Header text 1		C	an..70	tdpur310.txta		tdsls308.txta	
9	Header text 2		C	an..70			tdsls308.txta	
10	Header text 3		C	an..70			tdsls308.txta	
11	Data Record End Sign	O/I	M	an7	SA4_END		SA4_END	

Detailed description: Shipping Schedule

Kind of data record: SA4 Schedule Header Text

Position	1	Field Format	an3	Field Status	M
Field Name		**Kind of Data Record**		**Key field Out / IN**	

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA4'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA4'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA4'.
ERP LN	None

Position	2	Field Format	an..35	Field Status	M
Field Name		**Message Reference**		**Key field Out / IN**	

Description	This field identifies all connected data records of one Shipping Schedule release. The numbering, which has to be clear by SHP, helps to control the chronological order of the SHP and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA2
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA2

Position	3	Field Format	an..17	Field Status	M
Field Name		**(Net) ID of sender**		**Key field Out / IN**	

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing	
EDI Sub-System	Transmission of the value from the message file.
ERP LN	Refer to data record SA2
Processing Incoming	
EDI Sub-System	
ERP LN	Refer to data record SA2

Position	4	Field Format	an..9	Field Status	M
Field Name		**Release Number**		**Key field Out / IN**	

Description	This field contains the origin Release Number of the related schedules.
Processing outgoing	
EDI Sub-System	None
ERP LN	The Release number is mapped from ERP LN table field tdpur320.rlno to this position.
Processing Incoming	
EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to ERP LN table field tdsls312.crln; the customer release

Position	5	Field Format	n..4	Field Status	M
Field Name		**Release Revision Number**		Key field Out / IN	

Description	This field contains the Release Revision Number.
Processing outgoing	
EDI Sub-System	None
ERP LN	The Revision number is mapped from ERP LN table field tdpur320.rlrv to this position.
Processing Incoming	
EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to ERP LN table field tdsls312.crlr; customer's release revision.

Position	6	Field Format	n..4	Field Status	M
Field Name		**Release Position**		Key field Out / IN	

Description	This field contains the Release Position.
Processing outgoing	
EDI Sub-System	None
ERP LN	The release position is mapped from the ERP LN table field tdpur321.rpon to this position
Processing Incoming	
EDI Sub-System	Transmission of the value from the message file.
ERP LN	It is mapped to field tdsls308.cpon

Position	7	Field Format	an..9	Field Status	M
Field Name		**Schedule Number**		Key field Out / IN	

Description	This position contains the original Schedule Number
Processing outgoing EDI Sub-System	None
ERP LN	The schedule number is mapped from the ERP LN table field tdpur310.schn to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapped to table field tdsls315.cchn

Position	8	Field Format	an..70	Field Status	C
Field Name		**Schedule Header Text 1**			

Description   This field contains a free text 1 with a maximum of 70 characters.

Processing outgoing
EDI Sub-System

ERP LN   Mapping of ERP LN table field tdpur310.txta to position.

Processing Incoming   Transmission of the value from the transmission file.
EDI Sub-System

ERP LN   Mapping to ERP LN table field tdsls400.txta

Position	9	Field Format	an..70	Field Status	C
Field Name		**Schedule Header Text 2**			

Description   This field contains a free text 2 with a maximum of 70 characters.

Processing outgoing
EDI Sub-System

ERP LN   None

Processing Incoming   Transmission of the value from the transmission file.
EDI Sub-System

ERP LN   Mapping to ERP LN table field tdsls308.txta

Position	10	Field Format	an..70	Field Status	C
Field Name		**Schedule Header Text 3**			

Description   This field contains a free text 3 with a maximum of 70 characters.

Processing outgoing
EDI Sub-System

ERP LN   None

Processing Incoming   Transmission of the value from the transmission file.
EDI Sub-System

ERP LN   Mapping to ERP LN table field tdsls308.txta

Position	11	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**		**Key field Out / IN**	

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA4_END'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA4_END'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA4_END'.
ERP LN	None

SA5 Schedule Authorizations

Status:	Mandatory
Frequency:	Once by Release Position
Description:	This data record contains the information about the authorizations and is related to SA3.

SHP In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
1	Kind of data record	O/I	M	an3	SA5		SA5	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Release No.	O/I	M	an..9	tdpur320.rlno		tdsls312.crln	
5	Release revision	O/I	M	n..4	tdpur320.rlrv		tdsls312.crlr	
6	Release Position	O/I	M	an..6	tdpur321.rpon		tdsls308.cpon	
7	Original Schedule Number	O/I	M	an..9	tdpur321.schn		tdsls315.cchn	
8	FAB Period		C	n..3	tdpur302.tifa			
9	RAW period		C	n..3	tdpur302.tira			
10	CUM Start date		C	n..22	tdpur321.csdt		tdsls308.csdt	
11	FAB Authorization		C	n..19	tdpur321.qifa		tdsls308.qifa	
12	RAW Authorization		C	n..19	tdpur321.qira		tdsls308.qira	
13	FAB Auth. Through Date		C	n..22	tdpur321.fedt		tdsls308.edfb	

SHP In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
14	RAW Auth. Through Date		C	n..22	tdpur321.redt		tdsls308.edrw	
15	Data Record End Sign	O/I	M	an..7	"SA5_END"		"SA5_END"	

Detailed description: Shipping Schedule

Kind of data record: SA5 Schedule Authorization

Position	1	Field Format	an3	Field Status	M
Field Name		**Kind of Data Record**		Key field Out / IN	

Description	This field identifies the kind of data record in the message block. It contains the constant value 'SA5'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA5'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA5'.
ERP LN	None

Position	2	Field Format	an..35	Field Status	M
Field Name		**Message Reference**		Key field Out / IN	

Description	This field identifies all connected data records of one Shipping Schedule Release. The numbering, which has to be clear by SHP, helps to control the chronological order of the Shipping Schedules and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA3
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA3

Position	3	Field Format	an..17	Field Status	M
Field Name		**(Net) ID of sender**		Key field Out / IN	

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	Transmission of the value from the message file.
ERP LN	Refers to data record SA3
Processing Incoming EDI Sub-System	
ERP LN	Refers to data record SA3

Position	4	Field Format	an..9	Field Status	M
Field Name		**Release Number**		Key field Out / IN	

Description   This field contains the origin Release Number of the related schedules.

Processing outgoing
EDI Sub-System   None

ERP LN   Refers to data record SA3

Processing Incoming
EDI Sub-System

ERP LN   Refers to data record SA3

Position	5	Field Format	n..4	Field Status	M
Field Name		**Release Revision Number**		Key field Out / IN	

Description   This field contains the Release Revision Number.

Processing outgoing
EDI Sub-System   None

ERP LN   Refers to data record SA3

Processing Incoming
EDI Sub-System

ERP LN   Refers to data record SA3

Position	6	Field Format	n..6	Field Status	M
Field Name		**Release Position**		Key field Out / IN	

Description   This field contains the Release Position.

Processing outgoing
EDI Sub-System   None

ERP LN   The release position is mapped from the ERP LN table field tdpur321.rpon
                               to this position

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   It is mapped to field tdsls308.cpon

Position	7	Field Format	an..9	Field Status	M
Field Name		**Schedule Number**		Key field Out / In	

Description	This position contains the original Schedule Number
Processing outgoing EDI Sub-System	None
ERP LN	The schedule number is mapped from the ERP LN table field tdpur310.schn to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapped to table field tdsls315.cchn

Position	8	Field Format	n..3	Field Status	C
Field Name		**FAB Period**			

Description	This field identifies the FAB authorization period.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur302.tifa to this position. If contract is not linked to a schedule then this field is mapped from ERP LN table field tdipu010.tifa
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	9	Field Format	n..3	Field Status	C
Field Name		**RAW Period**			

Description	This field identifies the FAB authorization period.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur302.tira to this position. If contract is not linked to a schedule then this field is mapped from ERP LN table field tdipu010.tira
Processing Incoming EDI Sub-System	
ERP LN	N. A.

Position	10	Field Format	n..22	Field Status	C
Field Name		**CUM Start Date**			

Description	This field includes the CUM Start date.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table tdpur321.csdt is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls308.csdt.

Position	11	Field Format	n..19	Field Status	C
Field Name		**FAB Authorization**			

Description	This field includes the FAB authorized quantity
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table tdpur321.qifa is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls308.qifa.

Position	12	Field Format	n..19	Field Status	C
Field Name		**RAW Authorization**			

Description	This field includes the RAW authorized quantity
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table tdpur321.qira is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls308.qira.

Position	13	Field Format	n..22	Field Status	C
Field Name		**FAB Author. Through Date**			

Description	This field includes the FAB Authorization End Date.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table tdpur321.fedt is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls308.edfb.

Position	14	Field Format	n..22	Field Status	C
Field Name		**RAW Author. Through Date**			

Description	This field includes the RAW Authorization End Date.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table tdpur321.redt is mapped to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls308.edrw.

Position	15	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**	**Key field Out / IN**		

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA5_END'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA5_END'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA5_END'.
ERP LN	None

SA6 Schedule Lines

Status:	Mandatory
Frequency:	Multiple by Release Position
Description:	This data record contains the information about the Release Position Details including the Schedule Lines, and it is related to SA3.

	MRL In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	**Field Description**	**Key**	**ST**	**FM**	**Table field**	**Action**	**Table field**	**Action**
1	Kind of data record	O/I	M	an3	SA6		SA6	
2	Message Reference	O/I	M	an..35	ecedi701.bano	Generation (see below)	ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	O/I	M	an..17	ecedi020.neta	Conversion (see below)	ecedi702.bpid	Conversion (see below)
4	Release No.	O/I	M	an..9	tdpur320.rlno		tdsls312.crln	
5	Release revision	O/I	M	n..4	tdpur320.rlrv		tdsls312.crlr	
6	Release Position	O/I	M	an..6	tdpur321.rpon		tdsls308.cpon	
7	Original Schedule Number	O/I	M	an..9	tdpur321.schn		tdsls315.cchn	
8	Release Position Detail		M	n..4	tdpur322.posd		tdsls315.crsq	
9	Schedule Position		M	n..4	tdpur322.spon		tdsls315.cchp	
10	Start Date		M	n..22	tdpur322.sdat		tdsls315.sdat	
11	End Date		M	n..22	tdpur322.sdat		tdsls315.edat	
12	Requirement Type		M	n..9	tdpur322.rqtp	Conversion	tdsls315.ctyp	Conversion

Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
	MRL In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
13								
14								
15	Qualifier Address Code	M		an..6	"ZZ"		"ZZ"	
16	Quantity	M		n..19	tdpur322.qoor		tdsls315.qoor	
17	Purchase / Sales Unit	M		an..3	tdpur322.cuqp	Conversion	tdsls315.cuqs	Conversion
18	Purchase / Sales price Unit	M		an..3	tdpur322.cupp	Conversion	tdsls315.cups	Conversion
19	Purchase / Sales price	M		n..19	tdpur322.pric		tdsls315.price	
20	Tax Country	M		an..3	tdpur322.ccty	Conversion	tdsls315.ccty	Conversion
21	Tax code	M		an..9	tdpur322.cvat	Conversion	tdsls315.cvat	Conversion
22	Exempt Reason	C		an..6	tdpur322.rcod	Conversion	tdsls315.rcod	Conversion
23	Exempt Certificate	C		an..20	tdpur322.ceno		tdsls315.ceno	
24	Length	C		n..8	tdpur322.leng		tdsls315.leng	
25	Width	C		n..8	tdpur322.widt		tdsls315.widt	
26	Height	C		n..8	tdpur322.thic		tdsls315.thic	
27	Time Unit	M		an..3	tdpur322.tiun		tdsls315.tiun	
28	Warehouse / Dock Location	M		an..6	tdpur322.cwar	Conversion	tdsls315.dock	Conversion
29	Call-Off / Reference ID	C		an..9	tdpur322.caid		tdsls315.refe	
30	Exempt	C		an..6	tdpur322.exmt		tdsls315.exmt	
31	BP Tax Country	M		an..3	tdpur322.bptc	Conversion	tdsls315.bptc	Conversion

	MRL In-house Format				Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Pos	Field Description	Key	ST	FM	Table field	Action	Table field	Action
32								
33								
34								
35	Manufacturer		C	an..6	tdpur322.cmnf			
36	Preferred Manufacturer		C	an..35	tdpur322.mpnr			
40	Delivery Point		C	an..9			tdsls315.dlpt	
45	Data Record End Sign	O/I	M	an..7	"SA6_END"		"SA6_END"	

Detailed description: Shipping Schedule

Kind of data record: SA6 Release Position Detail

Position	1	Field Format	an3	Field Status	M
Field Name		**Kind of Data Record**		**Key field Out / IN**	

Description This field identifies the kind of data record in the message block. It contains the constant value 'SA6'.

Processing outgoing
EDI Sub-System

ERP LN This field will be filled with the constant value 'SA6'.

Processing Incoming
EDI Sub-System

This field will be filled with the constant value 'SA6'.

ERP LN None

Position	2	Field Format	an..35	Field Status	M
Field Name		**Message Reference**		Key field Out / IN	

Description	This field identifies all connected data records of one Shipping Schedule release. The numbering, which has to be clear by SHP, helps to control the chronological order of the Shipping Schedules and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	Refer to data record SA3
Processing Incoming EDI Sub-System	
ERP LN	Refer to data record SA3

Position	3	Field Format	an..17	Field Status	M
Field Name		**(Net) ID of sender**		Key field Out / IN	

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	Transmission of the value from the message file.
ERP LN	Refers to data record SA3
Processing Incoming EDI Sub-System	
ERP LN	Refers to data record SA3

Position	4	Field Format	an..9	Field Status	M
Field Name		**Release Number**		Key field Out / IN	

Description   This field contains the origin Release Number of the related schedules.

Processing outgoing
EDI Sub-System   None

ERP LN   Refers to data record SA3

Processing Incoming
EDI Sub-System

ERP LN   Refers to data record SA3

Position	5	Field Format	n..4	Field Status	M
Field Name		**Release Revision Number**		Key field Out / IN	

Description   This field contains the Release Revision Number.

Processing outgoing
EDI Sub-System   None

ERP LN   Refers to data record SA3

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   Refers to data record SA3

Position	6	Field Format	n..6	Field Status	M
Field Name		**Release Position**		Key field Out / IN	

Description   This field contains the Release Position.

Processing outgoing
EDI Sub-System   None

ERP LN   The release position is mapped from the ERP LN table field tdpur321.rpon
                                            to this position

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   It is mapped to field tdsls308.cpon

Position	7	Field Format	an..9	Field Status	M
Field Name		**Schedule Number**		Key field Out / In	

Description	This position contains the original Schedule Number
Processing outgoing EDI Sub-System	None
ERP LN	The schedule number is mapped from the ERP LN table field tdpur321.schn to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapped to table field tdsls315.cchn

Position	8	Field Format	n..4	Field Status	M
Field Name		**Release Position Detail**			

Description	This position identifies the position of a schedule line, the release position detail; each release line detail refers to a separate release position number.
Processing outgoing EDI Sub-System	None
ERP LN	The detail number is mapped from the ERP LN table field tdpur322.posd to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapped to table field tdsls315.crsq

Position	9	Field Format	n..4	Field Status	M
Field Name		**Schedule Position**			

Description	This field is only filled in shipments with schedule type pull-call off. It then contains the position on the referenced call-off.
Processing outgoing EDI Sub-System	None
ERP LN	The schedule number is mapped from the ERP LN table field tdpur322.spon to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls315.cchp

Position	10	Field Format	n..22	Field Status	M
Field Name		**Start Date**			

Description	This field contains the start date of the schedule line.
Processing outgoing EDI Sub-System	None
ERP LN	The schedule number is mapped from the ERP LN table field tdpur322.sdat to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls315.sdat

Position	11	Field Format	n..22	Field Status	M
Field Name		End Date			

Description	This field contains the end date of the schedule line.
Processing outgoing EDI Sub-System	None
ERP LN	The schedule number is mapped from the ERP LN table field tdpur322.edat to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls315.edat

Position	12	Field Format	an..9	Field Status	M
Field Name		Requirement type			

Description	This field contains the requirement type of the schedule line's demand
Processing outgoing EDI Sub-System	None
ERP LN	The schedule number is mapped from the ERP LN table field tdpur322.rqty to this position after conversion by table ecedi465. The types 1 = immediate, 2 = firm, 3 = planned can be used.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls315.ctyp after conversion by table ecedi365; for example the types 1 = immediate, 2 = firm, 3 = planned can be used.

Position	15	Field Format	an..6	Field Status	M

Field Name	Qualifier Address Code

Description	This position is used to store the default qualifier 1for the Address code which is defined in the message definition.
Processing outgoing EDI Sub-System	None
ERP LN	This field will be filled with the constant value "ZZ".
Processing Incoming EDI Sub-System	
ERP LN	This field will be filled with the constant value "ZZ".

Position	16	Field Format	n..19	Field Status	M

Field Name	Quantity

Description	This field includes the required quantity referring to the schedule line.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from the ERP LN table field tdpur322.qoor to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls315.qoor

Position	17	Field Format	an..3	Field Status	M
Field Name		**Purchase / Sales Unit**			

Description	This field contains the item's purchase quantity unit.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from ERP LN table field tdpur322.cuqp to this position after conversion by ERP LN table ecedi442. If this field is blank then the unit defined in the data record SA3 should be used. If conversion not found then original value will be sent.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls315.cuqs after conversion by table ecedi304

Position	18	Field Format	an..3	Field Status	M
Field Name		**Purchase / Sales Price Unit**			

Description	This field contains the item's price unit.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from ERP LN table field tdpur322.cupp to this position after conversion by ERP LN table ecedi442. If this field is blank then the unit defined in the data record SA3 should be used. If conversion not found then original value will be sent.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls315.cups after conversion by table ecedi304

Position	19	Field Format	n..19	Field Status	M
Field Name		**Purchase / Sales Price**			

Description	This field contains the price in the given price unit.
Processing outgoing EDI Sub-System	None
ERP LN	This field is mapped from ERP LN table field tdpur322.price to this position.
Processing Incoming EDI Sub-System	Transmission of the value from the message file
ERP LN	Mapped to table field tdsls315.price.

Position	20	Field Format	an..3	Field Status	M
Field Name		**Tax Country**			

Description	This field contains the country code which is linked to the tax code.
Processing outgoing EDI Sub-System	None
ERP LN	The tax country code is mapped from ERP LN table field tdpur322.ccty to this position after conversion with ERP LN table ecedi440.
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	Mapping to the ERP LN table field tdsls315.ccty after conversion with ERP LN table ecedi302.

Position	21	Field Format	an..9	Field Status	M
Field Name		**Tax Code**			

Description   This field identifies the tax code.

Processing outgoing
EDI Sub-System   None

ERP LN   The tax code is mapped from ERP LN table field tdpur322.cvat to this position after conversion by ERP LN table ecedi446.

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   Mapping to the ERP LN table field tdsls315.cvat after conversion by table ecedi308.

Position	22	Field Format	an..6	Field Status	C
Field Name		**Exempt Reason**			

Description   This field contains the tax exempt reason code.

Processing outgoing
EDI Sub-System   None

ERP LN   The exempt reason is mapped from ERP LN table field tdpur322.rcod to this position after conversion with ERP LN table ecedi495.

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   Mapping to the ERP LN table field tdsls315.rdoc after conversion with ERP LN table ecedi353.

Position	23	Field Format	an..20	Field Status	C
Field Name		**Exempt certificate**			

Description This field contains the tax exempt certificate number.

Processing outgoing
EDI Sub-System None

ERP LN The exempt reason is mapped from ERP LN table field tdpur322.ceno to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdsls315.ceno

Position	24	Field Format	n..8	Field Status	C
Field Name		**Length**			

Description This field contains the length of the item based on an agreed physical unit.

Processing outgoing
EDI Sub-System

ERP LN The length from ERP LN table field tdpur322.leng is mapped to this position.

Processing Incoming
EDI Sub-System Transmission of the value from the message file.

ERP LN Mapping to the ERP LN table field tdsls315.leng.

Position	25	Field Format	n..8	Field Status	C
Field Name		**Width**			

Description   This field contains the width of the item based on an agreed physical unit.

Processing outgoing
EDI Sub-System

ERP LN   The width from ERP LN table field tdpur322.widt is mapped to this position.

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   Mapping to the ERP LN table field tdsls315.widt.

Position	26	Field Format	n..6	Field Status	C
Field Name		**Height**			

Description   This field contains the height of the item based on an agreed physical unit.

Processing outgoing
EDI Sub-System

ERP LN   The height from ERP LN table field tdpu322.thic is mapped to this position.

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   Mapping to the ERP LN table field tdsls315.thic.

Position	27	Field Format	n..3	Field Status	M
Field Name		**Time Unit**			

Description: This field contains the time unit.

Processing outgoing
EDI Sub-System

ERP LN: The height from ERP LN table field tdpu322.tiun is mapped to this position.

Processing Incoming
EDI Sub-System: Transmission of the value from the message file.

ERP LN: Mapping to the ERP LN table field tdsls315.tiun.

Position	28	Field Format	an..6	Field Status	M
Field Name		**Warehouse/Dock Location**			

Description: This field is only filled in shipments with schedule type pull-call off.
In this case it contains the warehouse of the referenced call off.

Processing outgoing
EDI Sub-System

ERP LN: The table field tdpur322.cwar is mapped to this position.

Processing Incoming
EDI Sub-System: Transmission of the value from the message file.

ERP LN: Mapping to the ERP LN table field tdsls315.dock.

Position	29	Field Format	an..9	Field Status	C
Field Name		**Reference ID**			

Description: This field is only filled in shipments with schedule type pull-call off.
It then contains the reference ID of the referenced call off.

Processing outgoing
EDI Sub-System

ERP LN: The table field tdpur322.caid is mapped to this position.

Processing Incoming
EDI Sub-System: Transmission of the value from the message file.

ERP LN: Mapping to the ERP LN table field tdsls315.refe.

Position	30	Field Format	an..6	Field Status	C
Field Name		**Exempt**			

Description — This field contains a qualifier if tax exemption applies or not.

Processing outgoing
EDI Sub-System

ERP LN — The exempt qualifier from ERP LN table field tdpur322.exmt is mapped to this position.

Processing Incoming
EDI Sub-System — Transmission of the value from the message file.

ERP LN — Mapping to the ERP LN table field tdsls315.exmt.

Position	31	Field Format	an..3	Field Status	M
Field Name		**BP Tax Country**			

Description — This field contains the tax country code of the Business Partner.

Processing outgoing
EDI Sub-System — None

ERP LN — The business partner tax country code is mapped from ERP LN table tdpur322.bptc to this position after conversion with ERP LN table ecedi468.

Processing Incoming
EDI Sub-System — Transmission of the value from the message file.

ERP LN — Mapping to the ERP LN table field tdsls315.bptc after conversion with ERP LN table ecedi328.

Position	35	Field Format	an..6	Field Status	C
Field Name		**Manufacturer**			

Description — This field contains the code of the good's supplier.

Processing outgoing
EDI Sub-System — None

ERP LN — The code for the manufacturer from the ERP LN Table field tdpur322.cmnf is mapped to this position.

Processing Incoming
EDI Sub-System

ERP LN — N. A.

Position	36	Field Format	an..35	Field Status	C

Field Name	**Preferred Manufacturer's Part Number**

Description   The field contains the preferred manufacturer's part number for the item.

Processing outgoing
EDI Sub-System   None

ERP LN   The code for the manufacturer's part number is mapped from the ERP LN
                                Table field tdpur322.mpnr to this position.

Processing Incoming
EDI Sub-System

ERP LN   N. A.

Position	40	Field Format	an..9	Field Status	C

Field Name	**Delivery Point**

Description   This field contains the Delivery Point to which the supplier has to deliver
                                the goods.

Processing outgoing
EDI Sub-System   None

ERP LN

Processing Incoming
EDI Sub-System   Transmission of the value from the message file.

ERP LN   Mapping to the ERP LN table field tdsls315.dlpt.

Position	45	Field Format	an7	Field Status	M
Field Name		**Data Record end sign**		**Key field Out / IN**	

Description	This field identifies the end of data record in the message block. It contains the constant value 'SA6_END'.
Processing outgoing EDI Sub-System	
ERP LN	This field will be filled with the constant value 'SA6_END'.
Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA6_END'.
ERP LN	None

Chapter 3
Definitions, Acronyms, and Abbreviations

<div style="text-align: right;">3</div>

Term	Description
ANSI X12	American National Standards Institute Accredited Standards Committee X12; Standard definitions of American EDI Directories
BEM	Baan Electronic Message - abbreviated form of BEMIS used with the definition of the EDI organization
BEMIS	"BAAN Electronic Message Interchange System"; it is used for the ERP LN In-house EDI format
BP	Business Partner; used for Customer and Supplier
EDI	Electronic Data Interchange; electronic exchange of documents in standard formats
EDIFACT	Electronic Data Interchange for Administration, Commerce and Transport; Standard definitions of United Nations Directories
GLN	Global Location Number, a thirteen digit number used to identify legal entities, trading parties and locations.
ID	Identification
ILN	International Location Number; see GLN
MRL	Material Release
SEQ	Shipping Sequence Schedule
SHP	Shipping Schedule
VDA	The German Association of the Automotive Industry; Standard definitions of German EDI Directories

Appendix A
Sample File

<div style="text-align: right">A</div>

Example Outgoing message

"SA1";"zvt2007121700000000000000000000002";"zvterp";"zvterp";"SHP001";"BEMIS";"";"PSR000052";
20071217;;;"BEMTST";;"SA1_END"

"SA2";"zvt2007121700000000000000000000002";"zvterp";"EDI000013";1;2;"Replace";"OFBP";"ZVT000
001";"STBP";"ZVT000001";"ADD000069";"Gebaseerd op evering";"A";;;20071001;"ZZ";"ZVTWAR";
"SA2_END"

"SA3";"zvt2007121700000000000000000000002";"zvterp";"EDI000013";1;1;"ZVS000009";"ZVT000001"
;"ZVTWAR";"   ZVTITEMSCH4";"ADD000069";"DP";"ZVT000001";;"ZVT000006";10;"ZVTPUR";"PCS";;
"";;0;"";0;;0;;0;"";"ZZ";"SA;"STBP";"ZVTPUR";"NLD";"NONE";"";"";2;"NLD";;;;;;"SA3_END"

"SA3";"zvt2007121700000000000000000000002";"zvterp";"EDI000013";1;2;"ZVS000011";"ZVT000001"
;"ZVTWAR";"   ZVTITEMSCH4";"ADD000069";"DP";"ZVT000001";;"ZVT000006";10;"ZVTPUR";"PCS";;
"";;0;"";0;;0;;0;"";"ZZ";"SA;"STBP";"ZVTPUR";"NLD";"NONE";"";"";2;"NLD";;;;;;;"SA3_END"

"SA5";"zvt2007121700000000000000000000002";"zvterp";"EDI000013";1;1;"ZVS000009";0;0;20070926
;0;0;;;"SA5_END"

"SA5";"zvt2007121700000000000000000000002";"zvterp";"EDI000013";1;2;"ZVS000011";0;0;20070927
;0;0;;;"SA5_END"

"SA6";"zvt2007121700000000000000000000002";"zvterp";"EDI000013";1;1;"ZVS000009";1;0;20071001
;20071007;"Firm";;;"ZZ";1;"pcs";"pcs";8;"";"";"";"";0;0;0;3;"";"";2;"";;;;;;;;;;"SA6_END"

"SA6";"zvt2007121700000000000000000000002";"zvterp";"EDI000013";1;2;"ZVS000011";1;0;20071001
;20071007;"Firm";;;"ZZ";1;"pcs";"pcs";8;"";"";"";"";0;0;0;3;"";"";2;"";;;;;;;;;;"SA6_END"