Definition of BEMIS PUS001 Import and Export File for Business Document Type Pick-up Sheet

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About this guide

This document describes the content and the corresponding structure of the EDI message "Pick-up Sheet", 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   DELJIT
- ANSI X12   862

The message structure is defined by referring to incoming 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 Pick-up Sheet.

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 Pick-up Sheet.

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 incoming message PUS001.

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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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 Pick-up Sheet (incoming). When you transmit information about Pick-up Sheets, 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	PUS Header Shipment Reference
SA4	M	PUS Lines – Item
SA5	C	Schedule Text

Branching diagrams

The following data record structure is used for the BEMIS message type Pick-up Sheet:

Level
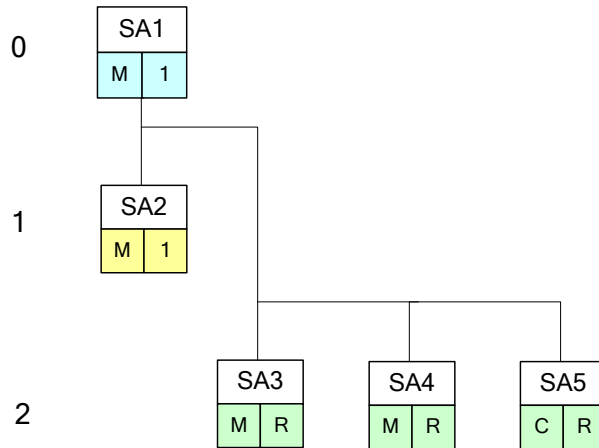
Legend:

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 ...   PUS Header 1

SA4 ...   PUS Lines - Item 11

SA4 …   PUS Lines - Item 12

SA4 …   PUS Lines - Item 13

SA5 … Schedule Text 131

SA5 … Schedule Text 132

SA3 …   PUS Header 2

SA4 ...   PUS Lines - Item 21

SA1 ...   Global Overhead

SA2 ...   Release Header 2

SA3 ...   PUS Header Shipment Reference1

SA4 ...   PUS Lines - Item 11

SA3 ...   PUS Header Shipment Reference 2

SA4 ...   PUS Lines - Item 21

SA4 …   PUS Lines - Item 22

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 Pick-up Sheet message:

Sorted by Key Type Data Rec.	field 1 Backpt	key 1	key 2	Key 3	key 4	key 5	key 6	key 7
SA 1			Message ref.	BP net ID				
SA 2	1		Message ref.	BP net ID				
SA 3	2		Message ref.	BP net ID	Customer Release	Customer Revision			
SA 4	3		Message ref.	BP net ID	Customer Release	Customer Revision	Customer Release Position	Customer Schedule Number	
SA 5	4		Message ref.	BP net ID	Customer Release	Customer Revision	Customer Release Position	Customer Schedule Number	Customer Schedule Position

Business partner relations

The following table shows the business partner relations:

Incoming Schedule Releases	
Sold-to BP Code	tdsls312.ofbp
Warehouse Code	tdsls315.cwar
Ship-to BP Code	tdsls312.stbp

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 "Pick-up Sheet". 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 Pick-up Sheet, which is being described in this documentation, is defined in the following way:

Direction	File Name	Network Directory
incoming	PUS001	/${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?

Chapter 2 Data Record Description by Type of Data Record

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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.

	Load Information - 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	I	M	an..3			SA1	
2	Message Reference	I	M	an..35			ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	I	M	an..17			ecedi702.bpid	Conversion (see below)
4	Net ID of Receiver		M	an..17				
5	Message		M	an..6			ecedi702.mess	Conversion (see below)
6	Organization		M	an..6			ecedi702.orga	Conversion (see below)
7	Order type		M	an..35			ecedi702.koor	
8	Transmission reference		M	an..20			ecedi702.msno	

Load Information - In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
9	Date / Time of transmission	M	n..14		ecedi702.send
10	Transmission Reference old	C	an..20		ecedi702.prno
11					
12	Identifier of Test	C	an1		ecedi702.test
13	Data record end sign	M	an7		SA1_END

Detailed description: Pick-up Sheet

Kind of data record: SA1 Message Overhead

Position	1	Field Format	an3	Field Status	M
Field Name		**Kind of Data Record**		**Key field IN**	
Description		This field identifies the kind of data record in the message block. It contains the constant value 'SA1'.			
Processing outgoing EDI Sub-System					
ERP LN					
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 IN**	

Description	This field identifies all connected data records of one Pick-up Sheet. The numbering, which has to be clear by PUS, helps to control the chronological order of the PUS 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	
Processing Incoming EDI Sub-System	The EDI Sub-System generates this number to identify a Pick-up Sheet and writes it into all data records of a PUS.
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 In**	

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	
ERP LN	
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					
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 'Pick-up Sheet' is PUS001.			
Processing outgoing EDI Sub-System		.			
ERP LN					
Processing Incoming EDI Sub-System		This field will be filled with the constant value 'PUS001'.			
ERP LN		The message code in the table ecedi001 'Supported EDI Messages' determines which internal message in ERP LN is connected to this PUS. 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					

Position	6	Field Format	an..6	Field Status	M
Field Name		**Organization**			
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.			
Processing outgoing EDI Sub-System					
ERP LN					
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					
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 PUS 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					
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					
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					
Processing Incoming EDI Sub-System		Transmission of the value from the transmission file.			

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

Load Information - 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	I	M	an..3			SA2	
2	Message Reference	I	M	an..35			ecedi702.bano	Generation by EDI Sub-System
3	(Net) ID of Sender	I	M	an..17			tdsls312.ofbp	Conversion (see below)

	Load Information - In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)	
4	Customer Release No.		M	an..9		tdsls312.crln	
5	Customer Release revision		M	n..4		tdsls312.crlr	
6	Release type		M	an..6		tdsls312.rtyp	
7							
8							
9							
10	Qualifier for Warehouse / Ship-To BP		M	an..6		STBP	
11							
12	Ship-to-Address		M	an..6		tdsls312.stad	Conversion
13	Shipment/delivery based		M	n..1		tdsls312.sodb	Conversion
14	Schedule quantity qualifier		M	an..1		tdsls312.qqal	Conversion
15	Forecast Horizon Start Date		C	n..22		tdsls312.fohs	
16	Forecast Horizon End Date		C	n..22		tdsls312.fohe	
17	Generation Date		M	n..22		tdsls312.egdt	
18	Qualifier Address Code		C	an..6		ZZ	
19	Warehouse / Ship-to BP		M	an..6		tdsls312.stpb	Conversion
20	Data Record End Sign	I	M	an..7		SA2_END	

Detailed description: Pick-up Sheet

Kind of data record: SA2 Release Header

Position	1	Field Format	an..3	Field Status	M
Field Name		**Kind of Data Record**		**Key field IN**	
Description		This field identifies the kind of data record in the message block. It contains the constant value 'SA2'.			
Processing outgoing EDI Sub-System					
ERP LN					
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 IN**	
Description		This field identifies all connected data records of one Pick-up Sheet Release. The numbering, which has to be clear by PUS, helps to control the chronological order of the PUS and the complete transmission.			
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System		The EDI Sub-System generates this number to identify a Pick-up Sheet Release and writes it into all data records of a PUS.			
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 In**	
Description		This field contains the identification of the sender (for example the ILN Number)			
Processing outgoing EDI Sub-System					
ERP LN					

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

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**			

Description	This field contains the origin Release Number of the related schedules.
Processing outgoing EDI Sub-System	
ERP LN	
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	
ERP LN	
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 an..6	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				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file.		
ERP LN		Mapping to ERP LN table field tdsls312.rtyp		

Position	10	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				
ERP LN				
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	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				
ERP LN				
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	n..1	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					
ERP LN					
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 an..1		Field Status	M
Field Name		**Schedule Quantity Qualifier**			
Description		This field identifies the quantity qualifier of the schedule. It communicates whether the quantity is cumulative or discrete.			
Processing outgoing EDI Sub-System					
ERP LN					
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			

Position	15	Field Format n..22	Field Status	C
Field Name		**Forecast Horizon Start Date**		
Processing outgoing EDI Sub-System				
ERP LN				
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				
ERP LN				
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				
ERP LN				
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**		
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				
ERP LN				
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					
ERP LN					
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 10 as qualifier 2.			

Position	20	Field Format	an..7	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					

Position	20	Field Format	an..7	Field Status	M
Field Name		**Data Record end sign**			

Processing Incoming EDI Sub-System	This field will be filled with the constant value 'SA2_END'.
ERP LN	None

SA3 PUS Header Shipment Reference

Status: Mandatory

Frequency: Multiple by Release

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

					Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
Load Information - In-house Format								
Pos	**Field Description**	**Key**	**ST**	**FM**	**Table field**	**Action**	**Table field**	**Action**
1	Kind of data record	I	M	an..3			SA3	
2	Message Reference	I	M	an..35			ecedi702.bano	Generation by EDI Sub-System
3	(Net) ID of Sender	I	M	an..17			tdsls312.ofbp	Conversion (see below)
4	Release No.	I	M	an..9			tdsls312.orln	
5	Release revision	I	M	n..4			tdsls312.crlr	
6	Customer Release Position		M	an..6			tdsls316.cpon	
7								
8								

Load Information - In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)	
9	Shipment Reference		M	an..35		tdsls309.refs
10	Qualifier Carrier		M	an..6		ZZ
11	Carrier		M	an..3		tdsls309.cfrw Conversion
12	Requirement Start Date		M	n..22		tdsls309.sdat
13	Requirement End Date		M	n..22		tdsls309.edat
14	Receipt Date		C	n..22		tdsls309.rdat
15						
16	Data Record End Sign	I	M	an..7		SA3_END

Detailed description: Pick-up Sheet

Kind of data record: SA3 PUS Header Shipment Reference

Position	1	Field Format	an..3	Field Status	M
Field Name		**Kind of Data Record**		**Key field IN**	
Description		This field identifies the kind of data record in the message block. It contains the constant value 'SA3'.			
Processing outgoing EDI Sub-System					
ERP LN					
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 IN**	

Description	This field identifies all connected data records of one Pick-up Sheet release. The numbering, which has to be clear by PUS, helps to control the chronological order of the PUS and the complete transmission.
Processing outgoing EDI Sub-System	
ERP LN	
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 IN**	

Description	This field contains the identification of the sender (for example the ILN Number)
Processing outgoing EDI Sub-System	
ERP LN	
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 IN**	

Description	This field contains the origin Release Number of the related schedules.
Processing outgoing EDI Sub-System	
ERP LN	

Position	4	Field Format	an..9	Field Status	M
Field Name		**Release Number**		**Key field IN**	
Processing Incoming EDI Sub-System		Transmission of the value from the message file.			
ERP LN		This field is mapped 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					
ERP LN					
Processing Incoming EDI Sub-System		Transmission of the value from the message file.			
ERP LN		This field is mapped to ERP LN table field tdsls312.crlr; customer's release revision.			

Position	6	Field Format an..6	Field Status	M
Field Name		**Customer Release Position**		
Description		This field contains the Release Revision.		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file.		
ERP LN		This field is mapped to ERP LN table field tdsls316.cpon		

Position	9	Field Format an..35	Field Status	M
Field Name		**Shipment Reference**		
Description		This field contains the Shipment Reference (PUS number)		

Position	9	Field Format an..35	Field Status	M
Field Name		**Shipment Reference**		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file.		
ERP LN		This field is mapped to ERP LN table field tdsls309.refs		

Position	10	Field Format	an..6	Field Status	M
Field Name		**Qualifier Carrier**			
Description		This field contains the qualifier for the carrier.			
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System		Transmission of the value from the message file			
ERP LN		This field will be filled with the constant value "ZZ". Field can be used as qualifier on field tdsls309.cfrw.			

Position	11	Field Format an..3	Field Status	M
Field Name		**Carrier**		
Description		This field contains the Carrier code.		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file.		
ERP LN		This field is mapped to ERP LN table field tdsls309.cfrw after conversion.		

Position	12	Field Format n..22	Field Status	M
Field Name		**Requirement Start Date**		
Description		This field includes the Start date for the requirements.		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file		
ERP LN		This field is mapped to ERP LN table field tdsls309.sdat.		

Position	13	Field Format n..22	Field Status	M
Field Name		**Requirement End Date**		
Description		This field includes the End date for the requirements.		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file		
ERP LN		This field is mapped to ERP LN table field tdsls309.edat.		

Position	14	Field Format n..22	Field Status	C
Field Name		**Receipt Date**		
Description		This field includes the receipt date		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file		
ERP LN		This field is mapped to ERP LN table field tdsls309.rdat		

Position	16	Field Format	an..7	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					
Processing Incoming EDI Sub-System		This field will be filled with the constant value 'SA3_END'.			
ERP LN		None			

SA4 PUS Lines - Item

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.

Load Information - 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	I	M	an..3			SA4	
2	Message Reference	I	M	an..35			ecedi702.bano	Generation by EDI Sub-System
3	Net ID of Sender	I	M	an..17			ecedi702.bpid	Conversion (see below)
4	Release No.	I	M	an..9			tdsls312.crln	
5	Release revision	I	M	n..4			tdsls312.crlr	

Load Information - In-house Format					Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)	
6	Release Position	I	M	an..6		tdsls316.cpon	
7	Customer Schedule Number	I	M	an..30		tdsls316.cchn	
8	Customer Schedule Position		M	an..14		tdsls316.cchp	
9	Item Qualifier		M	an..6		ZZ or BP	
10	Item		M	an..47		tdsls316.item	Conversion
11	Quantity		M	n..19		tdsls316.qoor	
12	Qualifier Sales Unit		M	an..6		ZZ or BP	
13	Sales Unit		M	an..3		tdsls316.cuqs	Conversion
14	Reference		C	an..30		tdsls316.refe	
15	Dock Location		C	an..30		tdsls316.dock	
16	Qualifier Ship-To Address		M	an..6		ZZ or BP	
17	Ship-To Address		M	an..9		tdsls316.stad	Conversion
18	Qualifier Delivery Point		M	an..6		ZZ or BP	
19	Delivery Point		M	an..9		tdsls316.dlpt	Conversion
30	Additional Information		C	an..30		tcstl210.fd01	
31	Additional Information		C	an..30		tcstl210.fd02	
32	Additional Information		C	an..30		tcstl210.fd03	

Load Information - In-house Format				Mapping from Application Table Fields (out)	Mapping to Application Table Fields (in)
33	Additional Information	C	an..30		tcstl210.fd04
34	Additional Information	C	an..30		tcstl210.fd05
35	Additional Information	C	an..30		tcstl210.fd06
36	Additional Information	C	an..30		tcstl210.fd07
37	Additional Information	C	an..30		tcstl210.fd08
38	Additional Information	C	an..30		tcstl210.fd09
39	Additional Information	C	an..30		tcstl210.fd10
40	Data Record End Sign	I M	an..7		"SA4_END"

Detailed description: Pick-up Sheet

Kind of data record: SA4 PUS Lines - Items

Position	1	Field Format	an..3	Field Status	M
Field Name		**Kind of Data Record**		**Key field IN**	
Description		This field identifies the kind of data record in the message block. It contains the constant value 'SA4'.			
Processing outgoing EDI Sub-System					
ERP LN					
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 IN**	
Description		This field identifies all connected data records of one Pick-up Sheet release. The numbering, which has to be clear by PUS, helps to control the chronological order of the Pick-up Sheets and the complete transmission.			
Processing outgoing EDI Sub-System					
ERP LN					
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 IN**	
Description		This field contains the identification of the sender (for example the ILN Number)			
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System					
ERP LN		Refer to data record SA3			

Position	4	Field Format	an..9	Field Status	M
Field Name		**Release Number**		**Key field IN**	
Description		This field contains the origin Release Number of the related schedules.			
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System					
ERP LN		Refer to data record SA3			

Position	5	Field Format	n..4	Field Status	M
Field Name		**Release Revision Number**		**Key field IN**	
Description		This field contains the Release Revision Number.			
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System		Transmission of the value from the message file.			
ERP LN		Refers to data record SA3			

Position	6	Field Format an..6		Field Status	M
Field Name		**Release Position**		**Key field IN**	
Description		This field contains the Release Position.			
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System		Transmission of the value from the message file.			
ERP LN		This field is mapped to ERP LN table field tdsls316.cpon			

Position	7	Field Format an..30		Field Status	M
Field Name		**Customer Schedule Number**		**Key field In**	
Description		This position contains the Customer Schedule Number			
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System		Transmission of the value from the message file.			
ERP LN		This field is mapped to ERP LN table field tdsls316.cchn			

Position	8	Field Format an..14	Field Status	M
Field Name		**Customer Schedule Position**		
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				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file.		
ERP LN		This field is mapped to ERP LN table field tdsls316.cchp		

Position	9	Field Format an..6	Field Status	M
Field Name		**Item Qualifier**		
Description		This position contains the qualifier for the Item.		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file.		
ERP LN		Field can be used as qualifier on field tdsls316.item.		

Position	10	Field Format an..47	Field Status	M
Field Name		**Item**		
Description		This position contains the Item code.		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file.		
ERP LN		This field is mapped to ERP LN table field tdsls316.item after conversion.		

Position	11	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				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file		
ERP LN		This field is mapped to table field tdsls316.qoor		

Position	12	Field Format an..6	Field Status	M
Field Name		**Qualifier Sales Unit**		
Description		This field contains the Qualifier which identifies the Sales Unit of position 13.		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file.		
ERP LN		This field will be filled with the constant value "ZZ" or "BP". Field can be used as qualifier on field tdsls316.cuqs.		

Position	13	Field Format an..3	Field Status	M
Field Name		**Sales Unit**		
Description		This field contains the item's Sales Unit.		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file.		

Position	13	Field Format	Field Status	M
		an..3		

Field Name		Sales Unit

ERP LN	This field is mapped to ERP LN table field tdsls316.cuqs after conversion.

Position	14	Field Format	Field Status	C
		an..30		

Field Name		Reference

Description	This field contains a Reference.
Processing outgoing EDI Sub-System	
ERP LN	
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	This field is mapped to ERP LN table field tdsls316.refe

Position	15	Field Format	Field Status	C
		an..30		

Field Name		Dock Location

Description	This field contains the Dock Location to which the supplier has to deliver the goods.
Processing outgoing EDI Sub-System	
ERP LN	
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	This field is mapped to ERP LN table field tdsls316.dock

Position	16	Field Format	Field Status	M
		an..6		

Field Name		Qualifier Ship-To Address

Description	This field contains the Qualifier which identifies the Ship-To Address of position 17.

Position	16	Field Format an..6	Field Status	M

Field Name	**Qualifier Ship-To Address**
Processing outgoing EDI Sub-System	
ERP LN	
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	This field will be filled with the constant value "ZZ" or "BP". Field can be used as qualifier on field tdsls316.stad.

Position	17	Field Format an..9	Field Status	M

Field Name	**Ship-To Address**
Description	This field contains the Ship-To Address to which the supplier has to deliver the goods.
Processing outgoing EDI Sub-System	
ERP LN	
Processing Incoming EDI Sub-System	Transmission of the value from the message file.
ERP LN	This field is mapped to ERP LN table field tdsls316.stad after conversion.

Position	18	Field Format an..6	Field Status	M

Field Name	**Qualifier Delivery Point**
Description	This field contains the Qualifier which identifies the Delivery Point of position 19.
Processing outgoing EDI Sub-System	
ERP LN	
Processing Incoming EDI Sub-System	Transmission of the value from the message file.

Position	18	Field Format an..6		Field Status	M
Field Name		**Qualifier Delivery Point**			
ERP LN		This field will be filled with the constant value "ZZ" or "BP". Field can be used as qualifier on field tdsls316.dlpt.			

Position	19	Field Format an..9		Field Status	M
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					
ERP LN					
Processing Incoming EDI Sub-System		Transmission of the value from the message file.			
ERP LN		This field is mapped to ERP LN table field tdsls316.dlpt after conversion.			

Position	40	Field Format	an..7	Field Status	M
Field Name		**Data Record end sign**		**Key field 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					
Processing Incoming EDI Sub-System		This field will be filled with the constant value 'SA4_END'.			
ERP LN		None			

SA5 Schedule Text

Status: Conditional

Frequency: Once by Release Position

Description: This data record contains the text information of the PUS Header and is related to SA3.

Pos	Field Description	Key	ST	FM	Mapping from Application Table Fields (out)		Mapping to Application Table Fields (in)	
					Table field	Action	Table field	Action
1	Kind of data record	I	M	an3			SA5	
2	Message Reference	I	M	an..35			ecedi702.bano	Generation by EDI Sub-System
3	(Net) ID of Sender	I	M	an..17			ecedi702.bpid	Conversion (see below)
4	Release No.	I	M	an..9			tdsls312.crln	
5	Release revision	I	M	n..4			tdsls312.crlr	
6	Release Position	I	M	an..6			tdsls316.cpon	
7	Original Schedule Number	I	M	an..9			tdsls316.cchn	
8	Customer Schedule Position	I	M	n..4			tdsls316.cchp	
9	Header text 1		C	an..80			tdsls316.txta	
10	Header text 2		C	an..80			tdsls316.txta	
11	Header text 3		C	an..80			tdsls316.txta	
12	Data Record End Sign	I	M	an7			SA5_END	

Detailed description: Pick-up Sheet

Kind of data record: SA5 Schedule Text

Position	1	Field Format	an3	Field Status	M
Field Name		**Kind of Data Record**		**Key field IN**	
Description		This field identifies the kind of data record in the message block. It contains the constant value 'SA5'.			
Processing outgoing EDI Sub-System					
ERP LN					
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 IN**	
Description		This field identifies all connected data records of one Pick-up Sheet release. The numbering, which has to be clear by PUS, helps to control the chronological order of the PUS and the complete transmission.			
Processing outgoing EDI Sub-System					
ERP LN					
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 IN**	
Description		This field contains the identification of the sender (for example the ILN Number)			
Processing outgoing EDI Sub-System					
ERP LN					

Position	3	Field Format	an..17	Field Status	M
Field Name		**(Net) ID of sender**		**Key field IN**	
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 IN**	
Description		This field contains the origin Release Number of the related schedules.			
Processing outgoing EDI Sub-System					
ERP LN					
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 IN**	
Description		This field contains the Release Revision Number.			
Processing outgoing EDI Sub-System					
ERP LN					
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 IN**	
Description		This field contains the Release Position.			

Position	6	Field Format	n..4	Field Status	M
Field Name		**Release Position**		Key field IN	
Processing outgoing EDI Sub-System					
ERP LN					
Processing Incoming EDI Sub-System		Transmission of the value from the message file.			
ERP LN		This field is mapped to ERP LN table field tdsls316.cpon			

Position	7	Field Format an..9	Field Status	M
Field Name		**Schedule Number**	Key field IN	
Description		This position contains the original Schedule Number		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the message file.		
ERP LN		This field is mapped to ERP LN table field tdsls316.cchn		

Position	9	Field Format an..80	Field Status	C
Field Name		**Header Text 1**		
Description		This field contains a free text 1 with a maximum of 80 characters.		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the transmission file.		
ERP LN		This field is mapped to ERP LN table field tdsls316.txta		

Position	10	Field Format an..80	Field Status	C
Field Name		**Header Text 2**		
Description		This field contains a free text 2 with a maximum of 80 characters.		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the transmission file.		
ERP LN		This field is mapped to ERP LN table field tdsls316.txta		

Position	11	Field Format an..80	Field Status	C
Field Name		**Header Text 3**		
Description		This field contains a free text 3 with a maximum of 80 characters.		
Processing outgoing EDI Sub-System				
ERP LN				
Processing Incoming EDI Sub-System		Transmission of the value from the transmission file.		
ERP LN		This field is mapped to ERP LN table field tdsls316.txta		

Position	12	Field Format	an..7	Field Status	M
Field Name		**Data Record end sign**		**Key field 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					
Processing Incoming EDI Sub-System		This field will be filled with the constant value 'SA5_END'.			

Chapter 3   Definitions, Acronyms, and Abbreviations

3

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
PUS	Pick-up Sheet
VDA	The German Association of the Automotive Industry; Standard definitions of German EDI Directories

Appendix A Sample File

A
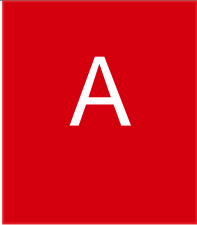
Example Incoming message

"SA1"|"c180201005210539180000000000003992"|"mjzc550"|"mjzc550"|"PUS001"|"BEMIS"|""|"PSR002520"|20100521053919|||"BEMTST"||"SA1_END"

"SA2"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"4"|"Replace"|"OFBP"|"MJZ"|"STBP"|"MJZ"|"000000001"|"dl"|"A"|20100531000000|20100531235959|20100526170000|"ZZ"|"MJZ"|"SA2_END"

"SA3"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON1"|"CCHN000000723"|"CCHP1"|"**mjzshipref1_26_05_1**"|"ZZ"|"MZ1"|"20100527150000"|"20100528150000"|""||"SA3_END"

"SA4"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON1"|"CCHN000000723"|"CCHP1"|"ZZ"|"**MJZITEMSCHEDPUS**"|3|"ZZ"|"pcs"|""|""|"ZZ"|""|"ZZ"|""|""|""|""|""|""|""|""|""|""|"|||||||||||"SA4_END"

"SA5"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON1"|"CCHN000000723"|"CCHP1"|"text1_1"|""|""|"SA5_END"

"SA4"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON1"|"CCHN000000723"|"CCHP2"|"ZZ"|"**MJZITEMSCHEDPUS2**"|3|"ZZ"|"pcs"|""|""|"ZZ"|""|"ZZ"|""|""|""|""|""|""|""|""|""|""|"|||||||||||"SA4_END"

"SA5"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON1"|"CCHN000000723"|"CCHP2"|"text1_2"|""|""|"SA5_END"

"SA3"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON2"|"CCHN000000724"|"CCHP1"|"**mjzshipref2_26_05_1**"|"ZZ"|"MZ1"|"20100527150000"|"20100528150000"|""||"SA3_END"

"SA4"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON2"|"CCHN000000724"|"CCHP1"|"ZZ"|"**MJZITEMSCHEDPUS**"|6|"ZZ"|"pcs"|""|""|"ZZ"|""|"ZZ"|""|""|""|""|""|""|""|""|""|""|"|||||||||||"SA4_END"

"SA5"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON2"|"CCHN000000724"|"CCHP1"|"text2_1"|""|""|"SA5_END"

"SA4"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON2"|"CCHN000000724"|"CCHP2"|"ZZ"|"**MJZITEMSCHEDPUS2**"|6|"ZZ"|"pcs"|""|""|"ZZ"|""|"ZZ"|""|""|""|""|""|""|""|""|""|""|"|||||||||||"SA4_END"

"SA5"|"c180201005210539180000000000003992"|"mjzc550"|"CRLN000002496"|"CRLR3"|"CPON2"|"CCHN000000724"|"CCHP2"|"text2_2"|""|""|"SA5_END"