



ASN (Advanced Shipping Notice)

Working List "Connection Supplier ASN (VDA4913, etc) [↔](#)

Current discussion about ASN process @DRX:

[Link to Working List](#)

DRX Internet Page for information for our Suppliers:

[DRX Data Exchange](#)

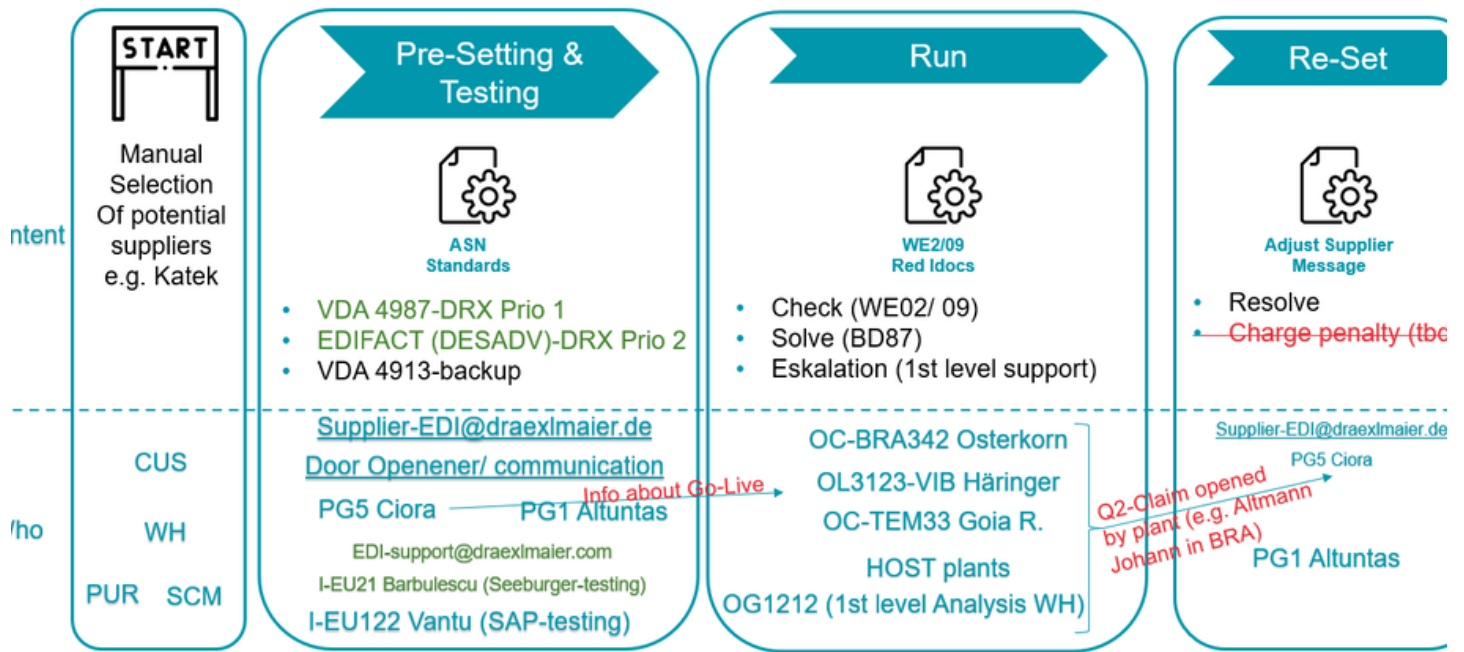
Contact for Goods Receiving og the plants to communicate List with overview of EDI-ASN suppliers:

- 1077 BRA: Osterkorn, Ulrike & Stoiber Wolfgang
- 1138 X-Dock VIB: Haeringer Rebecca & Geltinger Sebastian
- 1178 TEM: Goia Ramona
- 1101 LEI: Schellhorn Sebastian
- 1107 LAN: Dorfmeister Dennis & Huebner Julia
- 1179 HUN: Savastre Sorin
- Others in CC: Huber Tanja & Samangassou PaulJunior

General Information about ASN @DRX

Current discussion about ASN process @DRX:

SYBRA-1471: EDI ASN Process



6.03.2023 | SYBRA-1471 EDI ASN | W. Becker SCM Update

The ASN from supplier has several benefits:

- Pre-Alert for the planned Goods Receiving date
- No manual creation of Inbound Delivery (must for EWM)
- Take over of Country of Origin

It was detected that with automated ASN-Creation the Alert to maintain shelf-life (normally by transaction **ZMM_CREATE_ASN**) not applicable. Later in the process the need of entering of shelf-life being required.

Shelf-Life

To be discussed:

Strukturbeschreibung für Satzart 716, Satzlänge: 128
 extdaten zur Position, Kanntsatz
 ersion 02

Pos.	Datenelement	K M	LG. BYT	AN	von- bis	Verbale Beschreibung
01	Satzart	M	3	N	1-3	Konstant "716"
02	Versions- Nummer	M	2	N	4-5	Eintrag = 02
03	Text 1	M	40	A	6-45	Textbereich, der für die Übermittlung von unformatierten Informationen verwendet werden kann. Ist in der Satzart 714, Pos. 21, ein T eingetragen, muß hier der KONSTRUKTIONS-ÄNDERUNGS-STAND eingetragen werden (linksbündig).
04	Text 2	K	40	A	46-85	Textbereich, der für die Übermittlung von unformatierten Informationen verwendet werden kann.
05	Text 3	K	40	A	86-125	Textbereich, der für die Übermittlung von unformatierten Informationen verwendet werden kann.
06	Leer	M	3	A	126-128	Mit BLANKS gefüllt.

= Kann
 = Alphanumerisch

M = Muß
 N = Numerisch

Definition Brutto (MM03): z.B. Anschlagteile Widerstände auf der Rolle, d.h. Wiegen der Rolle / Anzahl Widerstände (z.B. 5.000 g die Rolle / 20.000 Teile, z.B. 25 g)

Brutto (MM03)
 Pos. 037 z.B. MHD
 Pos. 047 z.B. Gewicht pro BME

Pos. 059 z.B. BME

CUS: 3; Stellung Goods
 Supplier (Land von wo ausgeliefert) A003
 Mapping SAP-T005

EWM Pilz & SCM Becker

Alle

CUS (Hiller Uysal) sowie FIN-Steuer
 (Rohrmaier Chr. & Kristiansen Lars)

ing 100187645 anzeigen: Kopfdetail

Wareneingang buchen

500477 Rutronik GmbH / Industriestr. 2 / 75228 b

Adresse aus Stammdaten für den Warenlieferant (Belegkopf)

Vorsch...

Name

Anrede Firma

Name Rutronik GmbH

Elektronische Bauelemente

Straßenadresse

Straße/Hausnummer Industriestr. 2

Postleitzahl/Ort 75228 Ispringen

Land DE Deutschland Region 08 Baden-Würt

Zeitzone CET

Transportzone DE00000001 Deutschland

Anzeigeumfang PARALL Alle Partner

Partnerrolle	Partner	Name	Straße
LF Lieferant	500477	Rutronik GmbH	Industriestr.
WL Warenlieferant	500477	Rutronik GmbH	Industriestr.

The classical VDA Stand 4913 is being used by many suppliers:

VDA-Empfehlung 4913

- 1 -

Ausgabe V.04, März 1996

VDA	Arbeitskreis „Vordruckwesen/Datenaustausch“ in VDA-Rohstoff-Ausschuß (VDA-AKVD)	4913
	Daten-Fern-Übertragung von Lieferschein- und Transportdaten	
Verfahrensbeschreibung Daten-Fern-Übertragung (DFÜ) von Lieferschein- und Transportdaten. Diese Empfehlung regelt den elektronischen Datenaustausch von - Lieferschein- und Transportdaten zwischen Lieferanten und Kunden - Lieferschein-, Transportdaten und weiteren Materialflußinformationen zwischen Lieferanten, Externen Dienstleistern (EDL) und Kunden.		

Zugelassene Codes

Liste der zugelassenen Codes je Datenelement / Codeliste

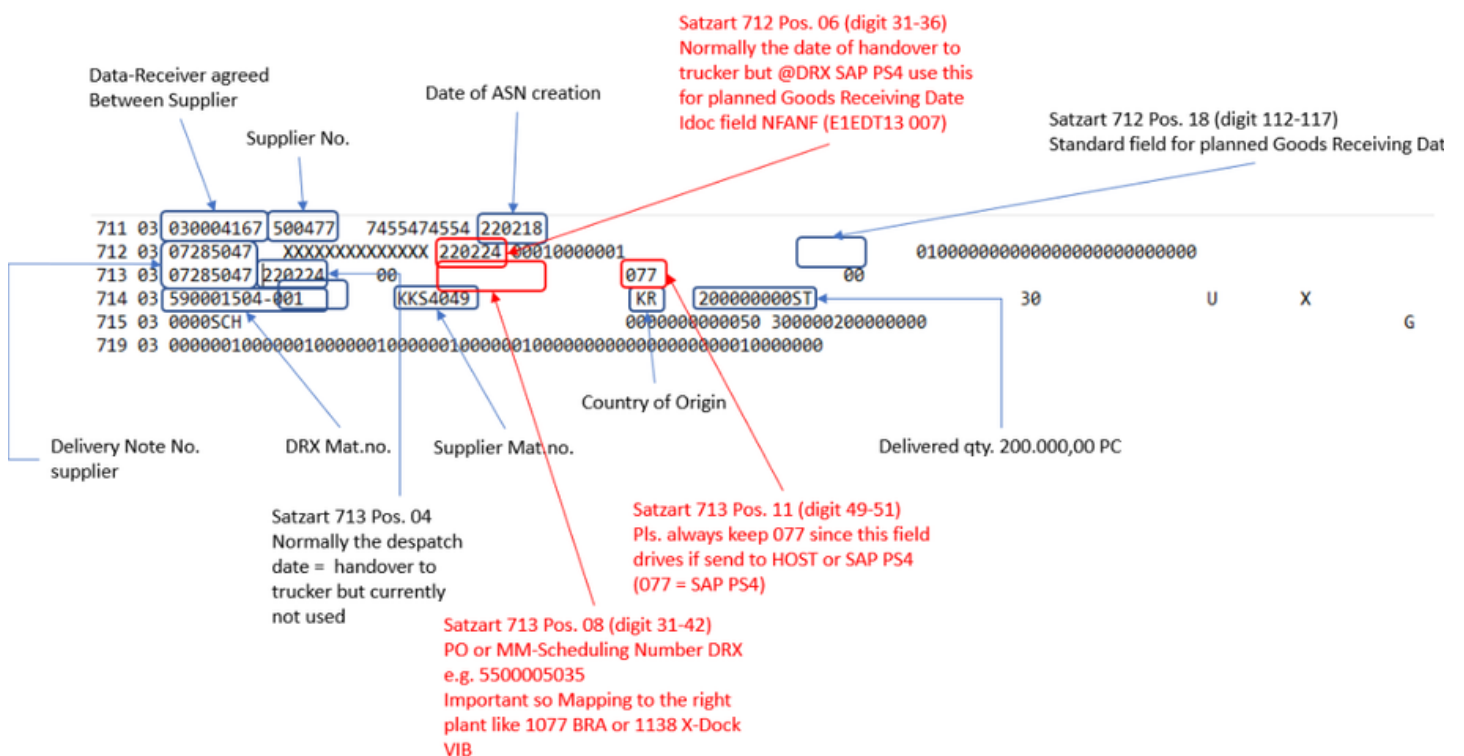
Code	Name/Beschreibung
03	Version 03

Code	Name/Beschreibung
03	Version 03

712_10	Frankatur-Schlüssel
Code	Name/Beschreibung
01	unfrei
02	frei Bestimmungsort

Here an example VDA4913 from Rutronik:

VDA 4913 ASN (Example Rutronik)



Search in Table **T005T** Country Names

Number of hits 9

Runtime 0 Maximum no. of hits 500

Insert Column **Germany**

Language	Ctr	Name	Nationality	Country	Nationality	Super reg.
ZH	DE	德国	德国	德国	德国	
RO	DE	Germania	Germană	Germania	Germană	
DE	DE	Deutschland	deutsch	Deutschland	deutsch	
EN	DE	Germany	German	Germany	German	
FR	DE	Allemagne	allemande			
PL	DE	Niemcy	niemieckie	Niemcy	niemieckie	
NL	DE	Duitsland	Duitse			
ES	DE					
SH	DE	Nemačka	Nemačko	Nemačka	Nemačko	

If a supplier sends a ASN which cannot be mapped to SAP country's text table T005 (e.g. 999 Other country) it will go on red idoc and not being processed.

SAP PS idoc creation

@DRX it was decided that Satzart 712 Pos. 6 (digit 31-36) being used for Planned Goods Receiving date. This causes a wrong MRP planning since the system assumes this date as Goods Receiving but in reality it is the pick-up date so the transit time is missing.

Step by Step we check each supplier if and where the planned Goods Receiving date being maintained in its VDA4916 message. The Seeburger EDI is capable to overwrite the Satzart 712 Pos. 6 with the Satzart 714 Pos. 18 (e.g. 000050K378 NCS Pyrotechnie, 576348 Thun).

To find a ASN use **WE09**:

Then select the Status 70 idoc which were edited by Seeburger:

Doc Search for Business Content



IDoc number	Date	Time	Direction	Partner	Status	Descr.
Number Segment type	Number Hier.level					
00000000017567014	31.01.2022	11:42:21	2	LS/ /EDI1	52	Application document not fully posted
00000000017567024	31.01.2022	11:42:22	2	LS/ /EDI1	70	Original of an IDoc which was edited
00000000017567036	31.01.2022	11:57:30	2	LS/ /EDI1	52	Application document not fully posted
00000000017567046	31.01.2022	11:57:31	2	LS/ /EDI1	70	Original of an IDoc which was edited
00000000017567056	31.01.2022	12:02:57	2	LS/ /EDI1	52	Application document not fully posted
00000000017567066	31.01.2022	12:02:58	2	LS/ /EDI1	70	Original of an IDoc which was edited

When double-click on the idoc no. 17567066 the Idoc Display opens. Part no. being retrieved from E1EDL24 segment:

IDoc Display: 0000000017567066

Segments with Errors

IDoc display	Additional inform...	Short Technical Information																								
- IDoc 0000000017567066 - Control Record - Data records - E1EDL20 - E1ADRM1 AG - E1ADRM1 LF - E1ADRM1 WE - E1EDT13 006 - E1EDT13 007 - E1EDT13 015 E1EDL24 - E1EDL35 - E1EDL41 001 - Status records	Total number: 00001 Segment 000001 Segment 000002 Segment 000004 Segment 000005 Segment 000007 Segment 000008 Segment 000009 Segment 000010 Segment 000011 Segment 000012	<table border="1"> <tr> <td>Direction</td> <td>2</td> <td>Inbox</td> </tr> <tr> <td>Current Status</td> <td>70</td> <td>OO</td> </tr> <tr> <td>Basic type</td> <td colspan="2">DELVR07</td> </tr> <tr> <td>Extension</td> <td colspan="2"></td> </tr> <tr> <td>Message Type</td> <td colspan="2">DESADV</td> </tr> <tr> <td>Partner No.</td> <td colspan="2">EDI1</td> </tr> <tr> <td>Partn.Type</td> <td colspan="2">LS</td> </tr> <tr> <td>Port</td> <td colspan="2">EDI1</td> </tr> </table>	Direction	2	Inbox	Current Status	70	OO	Basic type	DELVR07		Extension			Message Type	DESADV		Partner No.	EDI1		Partn.Type	LS		Port	EDI1	
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The Planned Goods Receiving date is in E1EDT13 007 (NFANF): e.g. 2022.02.13

IDoc display	Additional inform...	Short Technical Information																									
▼ IDoc 0000000017567066 ▪ Control Record ▼ Data records ▼ E1EDL20 > E1ADRM1 AG ▪ E1ADRM1 LF > E1ADRM1 WE ▪ E1EDT13 006 ▪ E1EDT13 007 ▪ E1EDT13 015 ▼ E1EDL24 ▪ E1EDL35 ▪ E1EDL41 001 > Status records	Total number: 00001 Segment 000001 Segment 000002 Segment 000004 Segment 000005 Segment 000007 Segment 000008 Segment 000009 Segment 000010 Segment 000011 Segment 000012	<table><tr><td>Direction</td><td>2</td><td>Inbox</td></tr><tr><td>Current Status</td><td>70</td><td>OO■</td></tr><tr><td>Basic type</td><td colspan="2">DELVR07</td></tr><tr><td>Extension</td><td colspan="2"></td></tr><tr><td>Message Type</td><td colspan="2">DESADV</td></tr><tr><td>Partner No.</td><td colspan="2">EDI1</td></tr><tr><td>Partn.Type</td><td colspan="2">LS</td></tr><tr><td>Port</td><td colspan="2">EDI1</td></tr></table>		Direction	2	Inbox	Current Status	70	OO■	Basic type	DELVR07		Extension			Message Type	DESADV		Partner No.	EDI1		Partn.Type	LS		Port	EDI1	
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		Fld Name	Fld Cont.																								
		QUALF	007																								
Planned GR date		NTANF	20220213																								

Planned GR date

The Country of Origin is in E1EDL35 (HERKL):

In the MD04 you can see that the MRP is using the right GR date considering a Goods Receiving Time (WEBAZ) of 2, 2022.02.13 plus 2 = 2022.02.16:

Date GR ST On On Vendor Cust. Page 2 / 2										
A...	Date	MRP ...	MRP element data	Reschedul...	E...	Receipt/Reqmt	Available Qty	St...	Vendor	Vendor Name
	02.02.2022	ShpgNt	0100283193/55000000...	04.01.2022	<u>10</u>	1.000	612-	4001	<u>576348</u>	<u>Thun Automotive GmbH</u>
	02.02.2022	ShpgNt	0100283227/55000000...	25.01.2022	<u>10</u>	1.000	388	4001	<u>576348</u>	<u>Thun Automotive GmbH</u>
	10.02.2022	DepReq	2 Individual Reqmt			1.404-	1.016-	4011		
	16.02.2022	ShpgNt	0100283279/55000000...	03.02.2022	<u>10</u>	1.000	16-	4001	<u>576348</u>	<u>Thun Automotive GmbH</u>

Via MS3N you can retrieve the country of origin in the batch:

Display Batch **MSC3N**

Material 200253131-001
STROMSCHIENE HA

Batch 0002311123

Plant 1077 DPL Braunau Production

Basic Data 1 Basic Data 2 Classification Material Data

Shelf Life Expiration/Best Before Date

Date of Manufacture

SLED/BBD

Available From

Period Indicator D

Batch Status

Batch Status ☒ Unrestricted ☐ Restricted

Last Status Change

Miscellaneous

Next Inspection

☐ Batch Deletion Flag

☐ Batch Deletion Flag at a Plant

Certified on

Trading Data

Supplier

Supplier Batch 1027917

Last Goods Receipt

Country of Origin DE Germany

Region of Origin

Intrastat Group

ASN Format VDA4987 (Preferred DRX-Standard)



ASN Format EDIFACT



EDI Implementation Guidelines

EDIFACT DESADV D97.A
Despatch Advice message

The DSADV or VDA4987 requires the packaging material. To find out use transaction POP3:

Display Packing Instruction: Initial

Identification number of packing instruction (1) 3000 Entries found

PackInstructn ☒

Open new Selection and enter material number

Restrictions

Packing instruction

Language Key

Short text

Material Number

Load carrier

PackInstructn	ShortTxt	De	Material no.	LC
10247	Alt_RAHMEN BAT. KASTEN B - HOCH		106117663-012	599915828-001

Then you can get the relevant package material 599915828-001 for 106117663-012:

PackInstructn

10247

Short text

Alt_RAHMEN BAT. KASTEN B - HOCH

Admin. data

Package material number

Components

Usages

Documents

Si

Item	It	Component	Short text	Target quantity	M
10 P		599915828-001	5828 STEELRACK W.LAT..	1	
20 M		106117663-012	RAHMEN BAT. KASTEN B..	7	

So, in one steel rack 5828 (599915828-001) 7 PC of Material 106117663-012 can be loaded. In our example the shipment was done with 21 PC which led to 3 packages: idoc 54453797 dated 15.03.2023:

Example of an original message from supplier Gestamp:



And here the related idoc 54453797 dated 15.03.2023 for ref.:

IDoc display

▼ IDoc 0000000054453797

▪ Control Record

▼ Data records

▼ E1EDL20

▪ E1ADRM1 AG

> E1ADRM1 LF

> E1ADRM1 OSP

> E1ADRM1 WE

▪ E1EDT13 015

▪ E1EDT13 019

▪ E1EDT13 007

> E1EDL24

▼ E1EDL37

▪ E1EDL44 1

> E1EDL37

> E1EDL37

> Status records

Additional inform...

Total number: 00002

Segment 000001

Segment 000002

Segment 000003

Segment 000005

Segment 000007

Segment 000009

Segment 000010

Segment 000011

Segment 000012

Segment 000015

Segment 000016

Segment 000017

Segment 000019

Short Technical Information

Direction2Inbox

Current Status52

Basic typeDELVR07

Extension

Message TypeDESADV

Partner No.EDI1

Partn.TypeLS

PortEDI1

Content of Selected Segment

Fld NameFld Cont.

EXIDVUN342312445112100995

VHILM985828

VHILM_KU599915828-001

SMGKN5

SAP idoc editing (WE02-BD87)

When you detect red idocs you have the chance to edit the idocs so they can be processed:

	IDoc number	Date	Time	Direction	Partner	Status	Descr.
	Number	Segment type	Number	Hier.level			
List of red idocs							
>	0000000057268843	12.04.2023	04:30:36	2	LS/ /EDI1	51	Application document not posted
>	0000000057294610	12.04.2023	08:32:14	2	LS/ /EDI1	51	Application document not posted

In this example the MM-SA no. is missing in E1EDL41:

IDoc Display: 0000000057268843

Segments with Errors Activate Column Adjustment

IDoc display	Additional inform...	Short Technical Information																																	
- IDoc 0000000057268843 - Control Record - Data records - E1EDL20 - E1ADRM1 AG - E1ADRM1 LF - E1ADRM1 WE - E1EDT13 006 - E1EDT13 007 - E1EDT13 015 - E1EDL24 - E1EDL35 - E1EDL41 003 - Status records	Total number: 00001 Segment 000001 Segment 000002 Segment 000004 Segment 000005 Segment 000007 Segment 000008 Segment 000009 Segment 000010 Segment 000011 Segment 000012	<table border="1"> <tr><td>Direction</td><td>2</td><td>Inbox</td></tr> <tr><td>Current Status</td><td>51</td><td>●○○</td></tr> <tr><td>Basic type</td><td colspan="2">DELVR07</td></tr> <tr><td>Extension</td><td colspan="2"></td></tr> <tr><td>Message Type</td><td colspan="2">DESADV</td></tr> <tr><td>Partner No.</td><td colspan="2">EDI1</td></tr> <tr><td>Partn.Type</td><td colspan="2">LS</td></tr> </table> Red fields need to be edited <table border="1"> <tr><td colspan="3">Content of Selected Segment</td></tr> <tr><td>Fld Name</td><td>Fld Cont.</td><td></td></tr> <tr><td>QUALI</td><td>003</td><td>Must be 001</td></tr> <tr><td>BSTNR</td><td>5500005651</td><td></td></tr> </table>	Direction	2	Inbox	Current Status	51	●○○	Basic type	DELVR07		Extension			Message Type	DESADV		Partner No.	EDI1		Partn.Type	LS		Content of Selected Segment			Fld Name	Fld Cont.		QUALI	003	Must be 001	BSTNR	5500005651	
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How to edit: Double-click the marked icon:

Then to "Change" modus:

Data record Edit Goto System Help

Display -> Change
Print all data records
Print current data record Ctrl+P
Exit Shift+F3

IDoc Number: 57268843

Segment Type: E1EDL41 Reference data ordering party

Number: 12

No. higher segment: 10 Hierarchy level: 4

Field Name	Field Contents	Short Description
QUALI	003 : No preceding document (Automotive)	Qualifier for Reference Data

Then edit and save:

Then open a new modus BD87 to re-process idoc:

Select IDocs

BD87

IDoc Number

57268843

to

Created On

to

Created At

00:00:00

to

00:00:00

Changed On

12.04.2023

to

12.04.2023

Changed At

00:00:00

to

00:00:00

Status Monitor for ALE Messages

Select IDocs

Display IDocs

Trace IDocs

Process

IDocs	IDoc Status	Number
▼ IDoc selection		
▪ IDoc Number is equal to 57268843		
▪ IDoc changed on is in the range 12.04.2023 to 12.04.2023		
▼ PS4CLNT500		1
▼ IDoc in inbound processing		1
▼ IDoc was edited		1
> DESADV	69	1

Special Case 1: Missing segment E1ADRM1_LF

On 27.04.2023 our DESADV supplier 579191 Texas Instrument has sent one message including 3 different D/N:

004	1225	2005	2380	2379	1153	1154	3035	3039	3055	7164	7075	7140
1665225	9	137	20230427	102	PK	621665225						
1665225	9	11	20230427	203	PK	621665225						
1665225	9	17	20230510	203	PK	621665225						
1665225	9				PK	621665225	MI	316172311	16			
1665225	9				PK	621665225	ST	138	92			
1665225	9				PK	621665225	SF	579191	92			
D/N 1665225	9				PK	621665225	SU	579191	16			
1665225	9				PK	621665225		59367456		1	4	590002632-00
1665225	9				PK	621665225				1	4	590002632-00
1665675	9	137	20230427	102	PK	621665675						
1665675	9	11	20230427	203	PK	621665675						
1665675	9	17	20230510	203	PK	621665675						
1665675	9				PK	621665675	MI	316172311	16			
1665675	9				PK	621665675	ST	138	92			
1665675	9				PK	621665675	SF	579191	92			
1665675	9				PK	621665675	SU	579191	16			
1665675	9				PK	621665675		59367458		1	4	590002732-00
1665675	9				PK	621665675				1	4	590002732-00
1665676	9	137	20230427	102	PK	621665676						
1665676	9	11	20230427	203	PK	621665676						
1665676	9	17	20230510	203	PK	621665676						
1665676	9				PK	621665676	MI	316172311	16			
1665676	9				PK	621665676	ST	138	92			
1665676	9				PK	621665676	SF	579191	92			
1665676	9				PK	621665676	SU	579191	16			
1665676	9				PK	621665676		59367457		1	4	590002732-00
1665676	9				PK	621665676				1	4	590002732-00

The problem is that the Seeburger mapping did not create the segment E1ADRM1_LF with the supplier number 579191:

Solution needs to be checked with D-IT support EDI (Seeburger).

Training Videos:

1. Training Lavinia Ciora as of 2023.03.06

Training_ Enlarge EDI-ASN Knowledge-20230306_Part_1

2. Training Lavinia Ciora as of 2023.03.27

Training_ Enlarge EDI-ASN Knowledge-20230327_090211-Be...

3. Training Lavinia Ciora as of 2023.04.24

Training_ Enlarge EDI-ASN Knowledge-20230424_143806-Be...

Contact



Becker Werner OG11
Specialist Prod. & Module Planning

SO

Schmidhuber Susanne OG1212
Employee Warehouse Logistics

LINKS



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