

Richtlinie | Guideline

Betreff/Subject:	VDA4905 / VDA4913 + Consignment / VDA4906/ VDA4908	2.1
		Version
Gültig für/valid for:	Knorr-Bremse SfN GmbH	18.02.2011
	Gesellschaften/Divisions	gültig ab/valid from
Erstellt von/created by:	KB	-
	Name	Abt./Dpt.
Freigabe/released by:	Michael Raab	I/BSL3
	Name	Abt./Dpt.

Delivery schedule VDA4905, delivery note VDA4913, invoice VDA4906 and self-billings VDA4908 4

1	<i>Introduction</i>	4
2	<i>EDI connection process</i>	5
2.1	Process method	5
2.2	Technical infrastructure	6
3	<i>Delivery Schedule VDA 4905</i>	7
3.1	General	7
3.2	Segment 511 Header Call-Off	8
3.3	Segment 512 Unique Data	9
3.4	Segment 513 / 514 Delimiting / Additional Data	12
3.5	Segment 515 Additional LAB Information	14
3.6	Segment 517 Package Data	15
3.7	Segment 519 Trailer	16
4	<i>EDI Delivery Note VDA 4913</i>	17
4.1	General	17
4.2	Segment 711 Header Delivery Note and Transport	19
4.3.	Segment 712 Unique Data Shipment	20
4.4.	Segment 713 Unique Data Delivery Note	22
4.5	Segment 714 Item Data Delivery Note	26
4.6	Segment 715 Packaging	27
4.7	Segment 719 Trailer	28
5	<i>EDI Consignment VDA 4913</i>	29
5.1	General	29
5.2	Segment 711	29
5.3	Segment 712	30
5.4	Segment 713	30
5.5	Segment 714	31
5.6	Segment 716	31
5.7	Segment 719 Trailer	32
6	<i>Invoice VDA 4906</i>	33
6.1	General	33
6.2	Segment 811 Header Invoice	34
6.3	Segment 812 Invoice Data	34
6.4	Segment 813 Delivery Data	35
6.5	Segment 814 Invoice position	36
6.6	Segment 819 Trailer	37
7	<i>Self-Billing VDA 4908</i>	38
7.1	General	38
7.2	Segment 821	38
7.3	Segment 822	39
7.4	Segment 823	40
7.5	Segment 824	41
7.6	Segment 829	42
8	<i>VDA Code tables</i>	43
8.1	Freight Fee	43
8.2	Transport Key	43
8.3	Shipping type	43
8.4	Country of origin	44
8.5	Quantity unit	44

8.6	Use	44
8.7	Preference status	45
8.8	Transaction key	45
8.9	Currency unit	45
8.10	Pricing unit	46

Delivery schedule VDA4905, delivery note VDA4913, invoice VDA4906 and self-billings VDA4908

1 Introduction

The structured electronic data exchange with business partners supports the procurement of material, parts, services and information by Knorr-Bremse SfN GmbH, which ensures the ongoing production and acquisition of parts.

This document describes how does Knorr-Bremse SfN GmbH process the structured electronic data interchange with business partners and should serve as a guide for set up type of connection for transfer of data.

Up to now, connections with suppliers have been based predominantly on VDA recommendations VDA4905, VDA4913, VDA4906 and VDA4908.

2 *EDI connection process*

2.1 Process method

There are 5 phases to the EDI connection:

- Preparation
- Connection setup
- Transfer of test messages
- Approval
- Operation in production

Knorr-Bremse SfN GmbH targets and selects potential partners for EDI connection according to criteria such as transaction volumes and business process. The EDI team contacts these potential partners.

Suppliers can also start with the initiative to set up an EDI connection, regardless of the above-mentioned selection process. To do this, they need to contact the EDI team. The supplier investigates the possibilities for implementing EDI based on the technical procedures and formats permitted by Knorr-Bremse SfN GmbH.

Fine tuning takes place between the supplier, EDI team and department/plant.

With the next step, the communication connection has to be set up and tested. A parallel activity in this stage, if necessary, the supplier should modify their data preparation or processing to suit the requirements for the exchange of data with Knorr-Bremse SfN GmbH, in order to ensure full compatibility with Knorr-Bremse SfN GmbH requirements.

In test mode, test data is exchanged, which matches to the actual data provided for use in production and which can also reproduce the flow of information via various types of message (e.g. delivery instruction, despatch advice, invoice).

In this phase, there is intensive contact between the EDI team at Knorr-Bremse SfN GmbH and the supplier, in order to resolve any persisting issues efficiently and quickly.

After testing has been successfully completed with the approval through business department, everything is transferred into production.

As soon as additional messages are set up for production with the supplier, the test phase must be repeated for these messages.

2.2 Technical infrastructure

Knorr-Bremse SfN GmbH has outsourced the technical infrastructure of EDI to Axway.

Please contact our service provider Axway regarding OFTP connection, logical filenames etc...

Contact address:

edi-asp-hotline.de@axway.com

For further questions you can also contact the Knorr-Bremse SfN GmbH EDI-Team:

cvsemi@knorr-bremse.com

3 Delivery Schedule VDA 4905

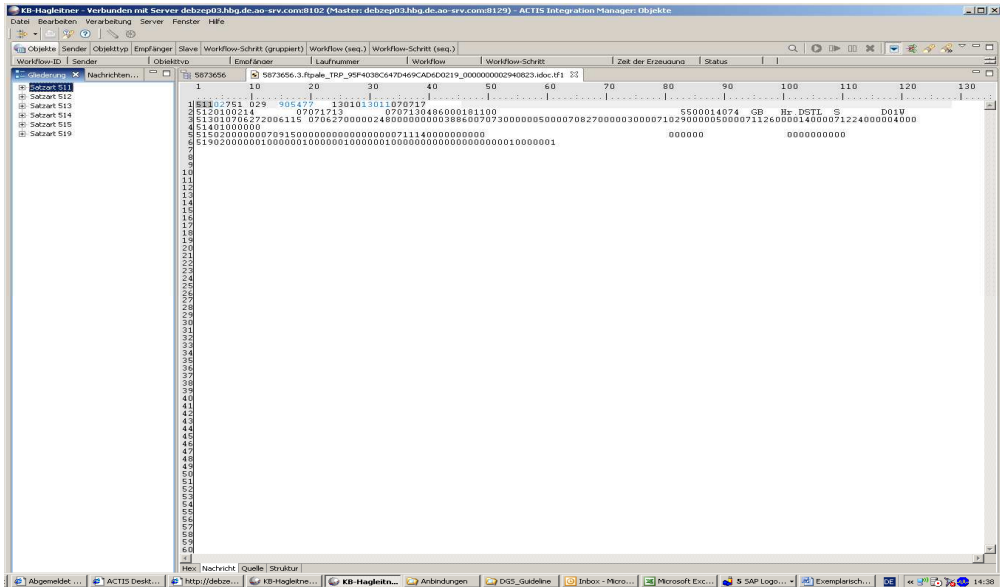
3.1 General

Knorr-Bremse SfN GmbH sends delivery forecasts to the supplier which refers to scheduling agreements. New delivery requests generated on a regular basis in line with production planning and serve to completely replace previous delivery instructions

- 511 **M** Header record call-off data (1 x per file)
- 512 **M** Unique data elements of call-off
- 513 **M** Delimiting and call-off data (1 x per defining argument)
- 514 **K** Additional call-off data (x times per defining argument)
- 515 **K** Additional LAB information (1 x per defining argument)
- 517 **K** Package data (x times per defining argument)
- 518 **K** Textual data (x times per defining argument)
- 519 **M** Trailer record call-off data

Key **M** = Must (Mandatory)

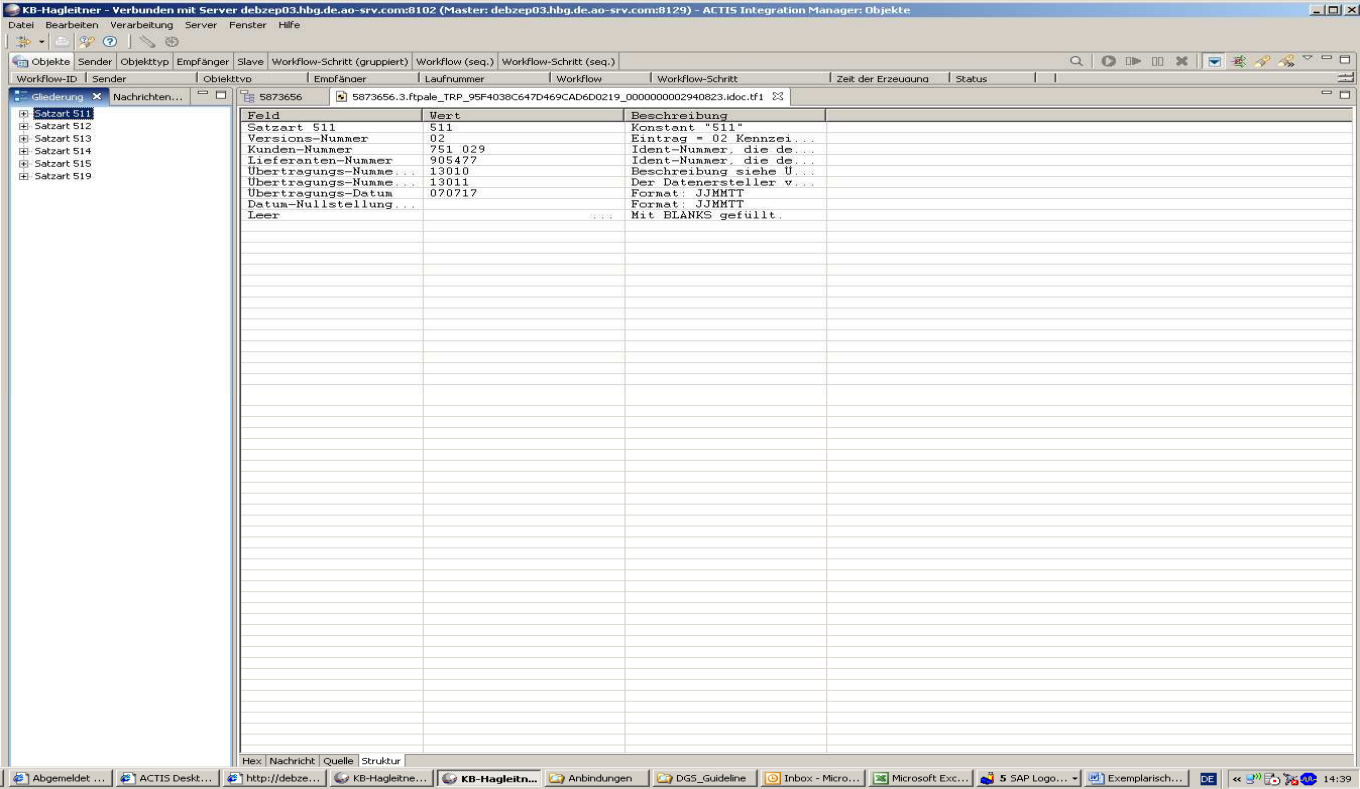
Key **K** = May (Conditional)



For further information about VDA please visit www.vda.de

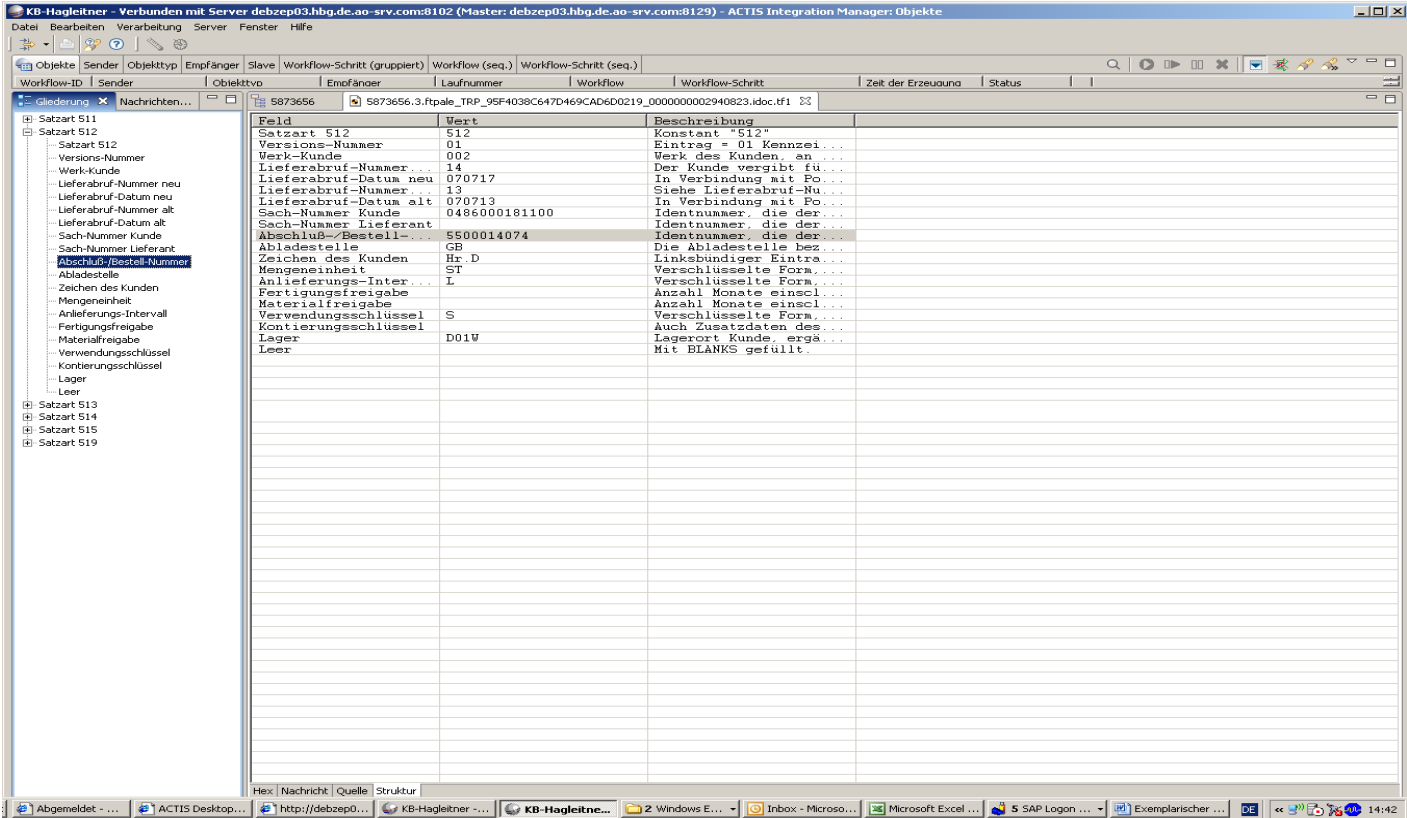
3.2 Segment 511 Header Call-Off

Position	Description
1	'511'
2	'02'
3	Customer number at supplier
4	Supplier number
5	Transmission number old
6	Transmission number new
7	Date of transmission



3.3 Segment 512 Unique Data

Position	Description
1	'512'
2	'02'
3	Consignee (see table plants below)
4	Call-off number new
5	Date call-off new
6	Call-off number old
7	Date call-off old
8	Buyer article number
9	
10	Order number
11	Unloading point (see table unloading points below)
12	Buyer's reference
13	Quantity unit (see table 8.5)
14	Delivery interval
15	
16	
17	Use code (see table 8.6)
18	
19	Warehouse



Storage location (see in example: D01W)

Unloading point (see in example: GB)

Unloading points:

plant	Unloading point	description
Aldersbach	06	KB SfN Abl. - St. 5 GK
Aldersbach	07	KB SfN Abl. - St. 6 GA
Aldersbach	08	KB SfN Abl. - St. 1 LB
Aldersbach	09	KB SfN Abl. - St. 2 SB
Aldersbach	17	Huber GmbH
Aldersbach	19	Mon Log GmbH
Berlin	GB	GLX Global Log. Services Fertigware
Berlin	GL	GLX Global Log. Services Nachmarkt
Aldersbach	18	HKB
Kecskemet	GW	Gebrüder Weiss
Kecskemet	K1, K2, K3	W/H & prod. KEC
Kecskemet	B1	Bertrans
Waberer Budapest	W1	Waberers
Lisieux	00	Receiving BUN (BR)
Liberec	CC	Goods Receipt LSP
Liberec	L1	Main Goods Receipt Area
Liberec	L3	GR Area Raw Materials

Plants (see in example: 002):

Plants:

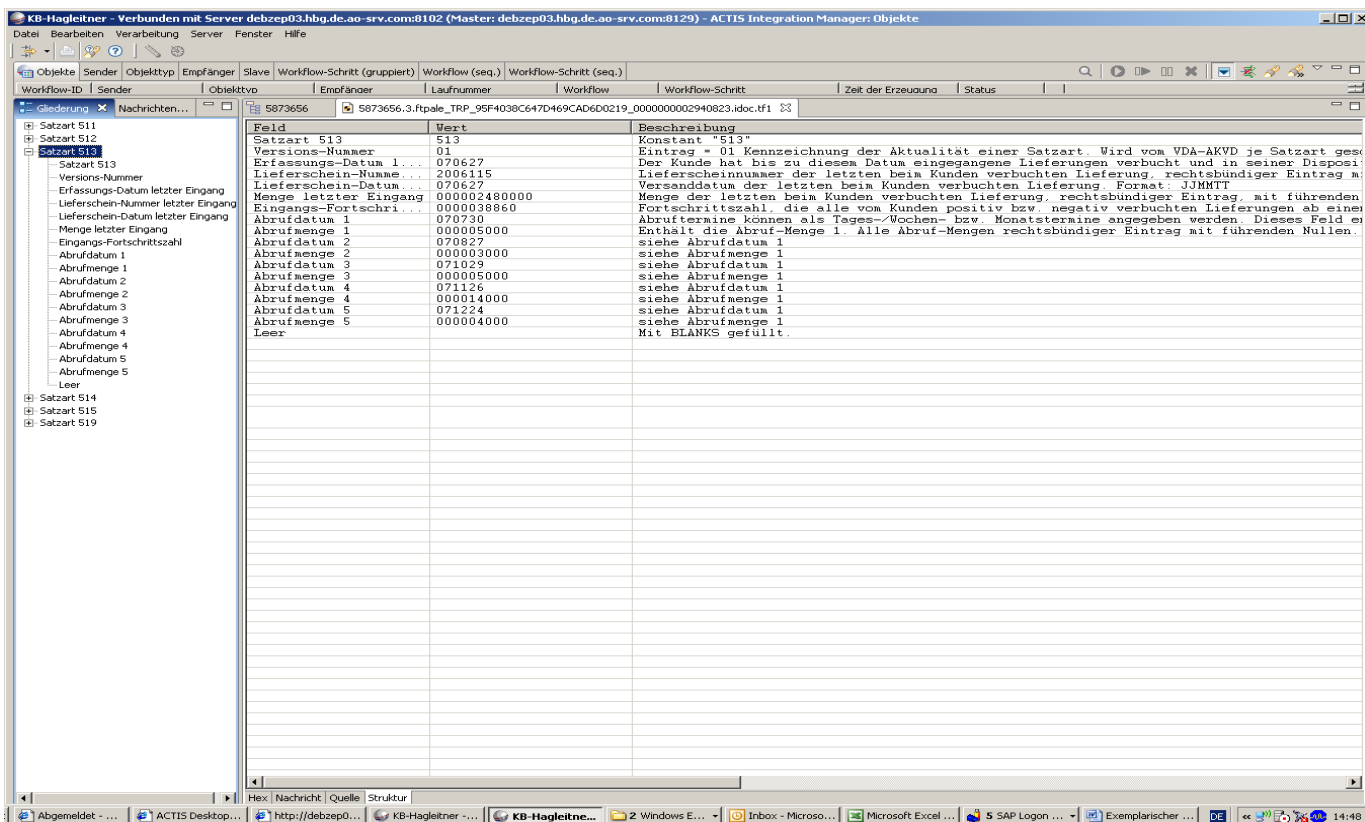
VDA message	description
001	Aldersbach
002	Berlin Fertigware

003	Berlin Nachmarkt
004	München
005	Schwieberdingen
261	Kecskemet
262	Waberer Budapest
201	Lisieux: Bungi Production
202	Lisieux: Down Town IAM / OES/ SOE
203	Lisieux: Down Town Trailer
291	Liberec

3.4 Segment 513 / 514 Delimiting / Additional Data

Position	Description
1	'513'
2	'01'
3	Recording date last receipt
4	Delivery note number last receipt
5	Delivery note date last receipt
6	Quantity last receipt
7	Received cumulative quantity
8-17	See: Logic of transmission of dates and qty

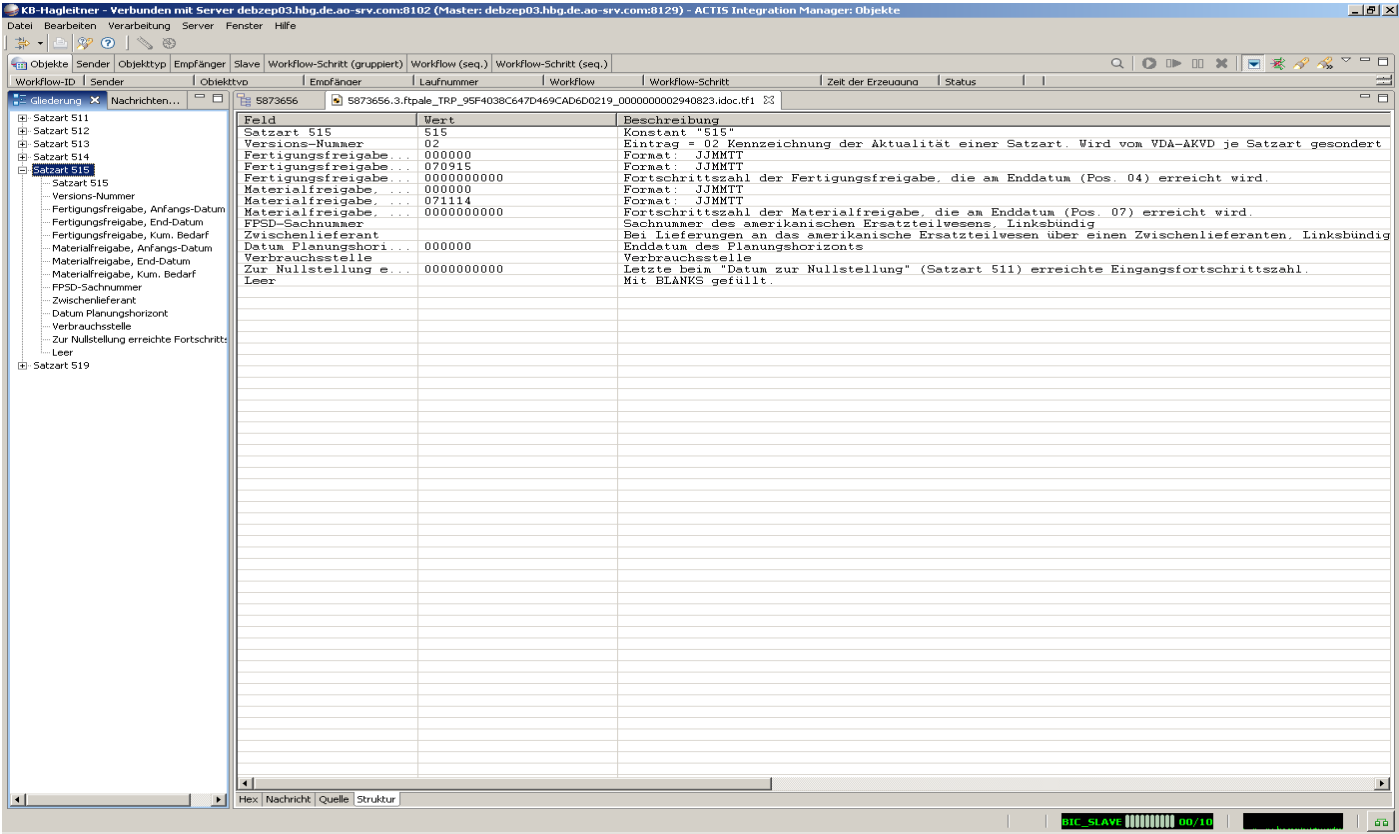
For further information about the segment 514 please read the VDA 4905 guideline



Position	Description
01	'514'
02	'01'
03-18	See: Logic of transmission of dates and qty

3.5 Segment 515 Additional LAB Information

Position	Description
1	'515'
2	'02'
3	
4	Production go-ahead end date
5	
6	
7	go-ahead for purchase of input materials end date

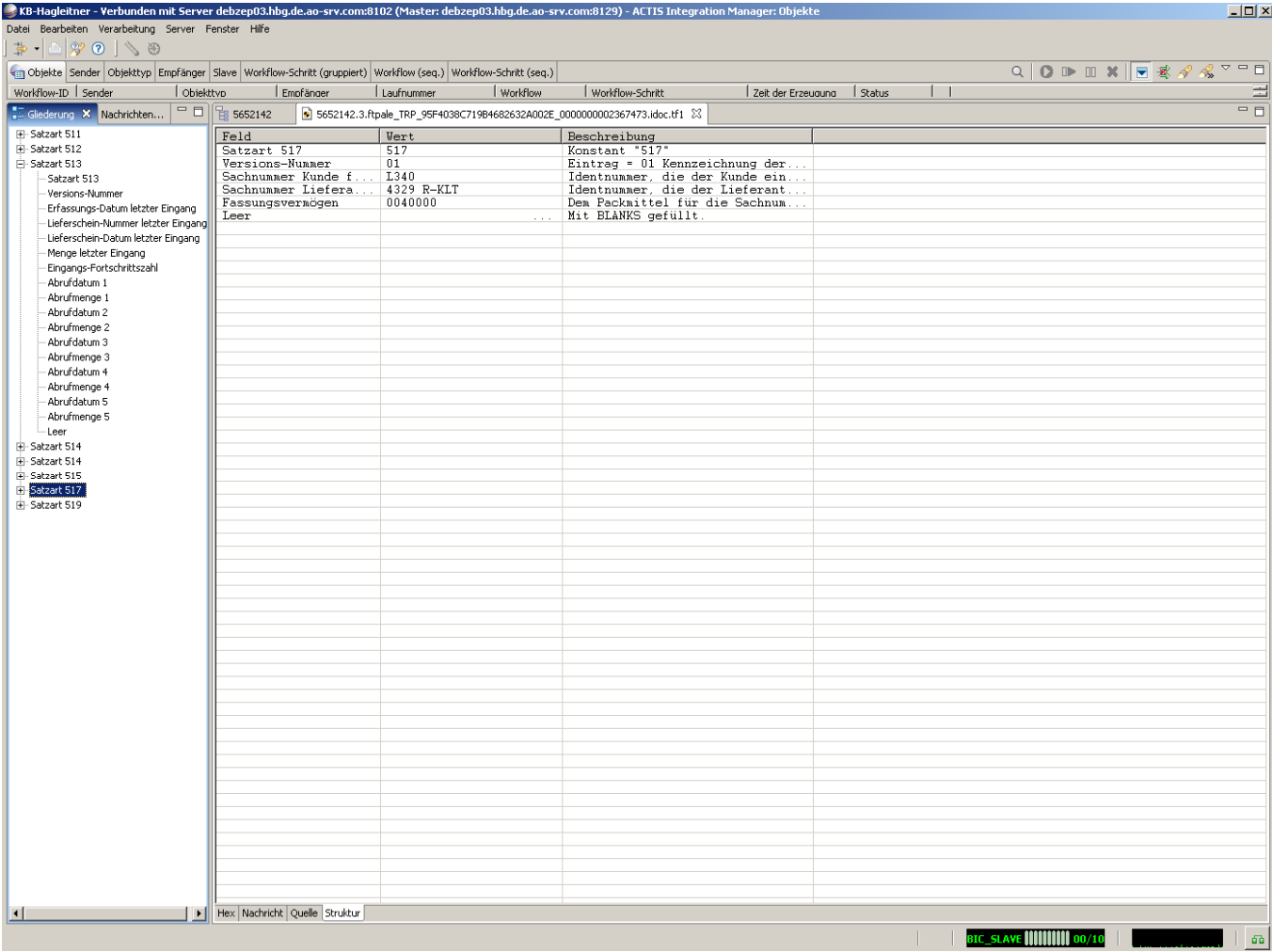


The screenshot shows a SAP data table for 'Satzart 515'. The table has three columns: 'Feld', 'Wert', and 'Beschreibung'. The data is as follows:

Feld	Wert	Beschreibung
Satzart 515	515	Konstant "515"
Versions-Nummer	02	Eintrag = 02 Kennzeichnung der Aktualität einer Satzart. Wird vom VDA-AKVD je Satzart gesondert
Fertigungsfreigabe...	000000	Format: JJMMTT
Fertigungsfreigabe...	070915	Format: JJMMTT
Fertigungsfreigabe...	0000000000	Fortschrittszahl der Fertigungsfreigabe, die am Enddatum (Pos. 04) erreicht wird.
Materialfreigabe...	000000	Format: JJMMTT
Materialfreigabe...	071114	Format: JJMMTT
Materialfreigabe...	0000000000	Fortschrittszahl der Materialfreigabe, die am Enddatum (Pos. 07) erreicht wird.
FPSD-Sachnummer		Sachnummer des amerikanischen Ersatzteilwesens, Linksbündig
Zwischenlieferant		Bei Lieferungen an das amerikanische Ersatzteilwesen über einen Zwischenlieferanten, Linksbündig
Datum Planungshori...	000000	Enddatum des Planungshorizonts
Verbrauchsstelle		Verbrauchsstelle
Zur Nullstellung e...	0000000000	Letzte beim "Datum zur Nullstellung" (Satzart 511) erreichte Eingangsfortschrittszahl.
Leer		Mit BLANKS gefüllt.

3.6 Segment 517 Package Data

Position	Description
1	'517'
2	'01'
3	Package reference number buyer
4	Package reference number seller
5	Capacity



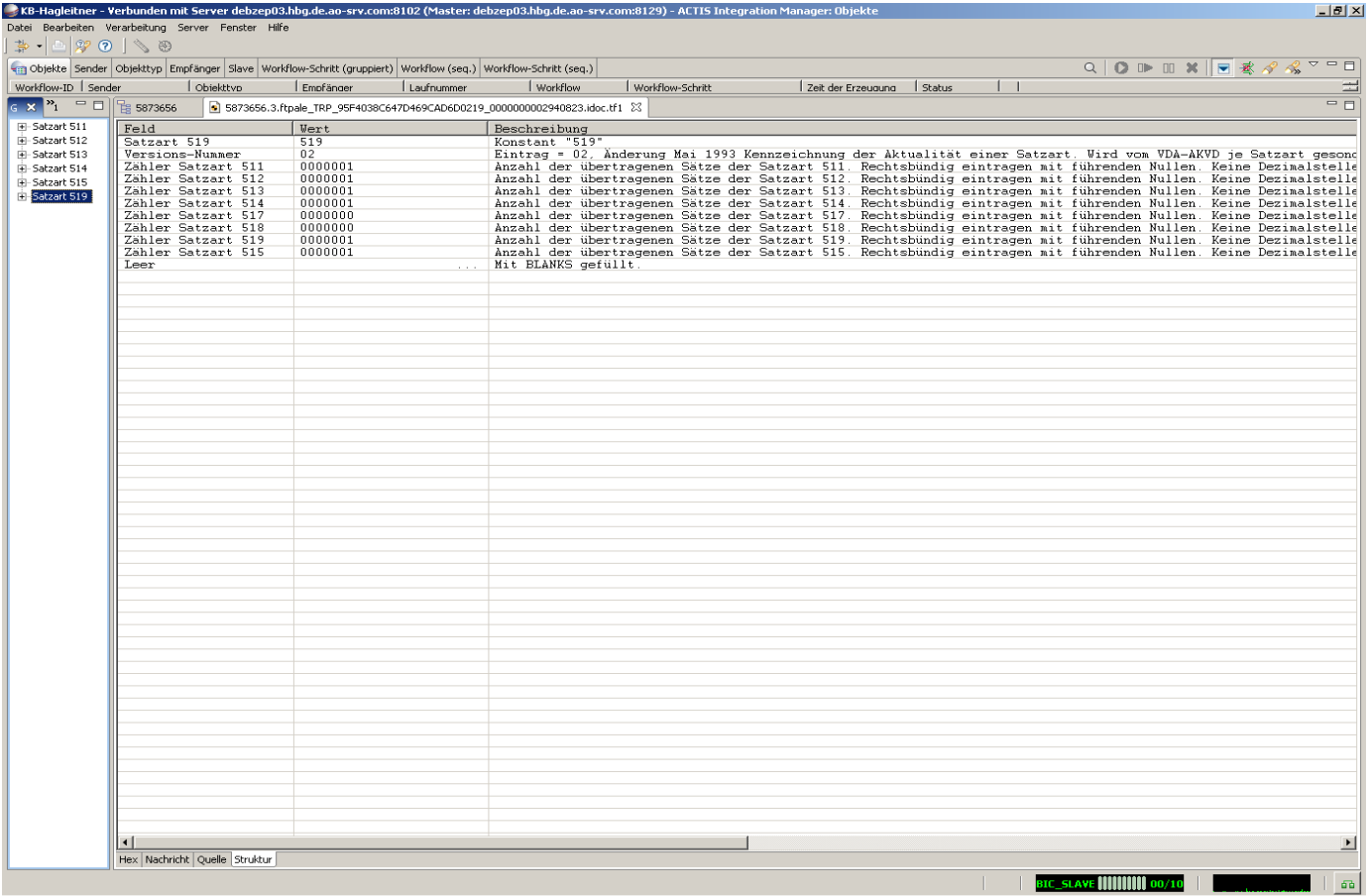
The screenshot shows the ACTIS Integration Manager interface. The main window displays a table with the following data:

Feld	Wert	Beschreibung
Satzart 517	517	Konstant "517"
Versions-Nummer	01	Eintrag = 01 Kennzeichnung der...
Sachnummer Kunde f...	1340	Identnummer, die der Kunde ein...
Sachnummer Liefera...	4329 R-KLT	Identnummer, die der Lieferant...
Fassungsvermögen	0040000	Dem Packmittel für die Sachnum...
Leer		Mit BLANKS gefüllt.

The interface also shows a tree view on the left with 'Satzart 517' selected. The status bar at the bottom indicates 'BIC_SLAVE' and '00/10'.

3.7 Segment 519 Trailer

Position	Description
1	'519'
2	'02'
3	Counter record type 511
4	Counter record type 512
5	Counter record type 513
6	Counter record type 514
7	Counter record type 517
8	Counter record type 518
9	Counter record type 519
10	Counter record type 515



The screenshot shows the ACTIS Integration Manager interface. The main window displays a table with the following data:

Feld	Wert	Beschreibung
Satzart 519	519	Konstant "519"
Versions-Nummer	02	Eintrag = 02. Änderung Mai 1993 Kennzeichnung der Aktualität einer Satzart. Wird von VDA-AKVD je Satzart gesond
Zähler Satzart 511	0000001	Anzahl der übertragenen Sätze der Satzart 511. Rechtsbündig eintragen mit führenden Nullen. Keine Dezimalstelle
Zähler Satzart 512	0000001	Anzahl der übertragenen Sätze der Satzart 512. Rechtsbündig eintragen mit führenden Nullen. Keine Dezimalstelle
Zähler Satzart 513	0000001	Anzahl der übertragenen Sätze der Satzart 513. Rechtsbündig eintragen mit führenden Nullen. Keine Dezimalstelle
Zähler Satzart 514	0000001	Anzahl der übertragenen Sätze der Satzart 514. Rechtsbündig eintragen mit führenden Nullen. Keine Dezimalstelle
Zähler Satzart 517	0000000	Anzahl der übertragenen Sätze der Satzart 517. Rechtsbündig eintragen mit führenden Nullen. Keine Dezimalstelle
Zähler Satzart 518	0000000	Anzahl der übertragenen Sätze der Satzart 518. Rechtsbündig eintragen mit führenden Nullen. Keine Dezimalstelle
Zähler Satzart 519	0000001	Anzahl der übertragenen Sätze der Satzart 519. Rechtsbündig eintragen mit führenden Nullen. Keine Dezimalstelle
Zähler Satzart 515	0000001	Anzahl der übertragenen Sätze der Satzart 515. Rechtsbündig eintragen mit führenden Nullen. Keine Dezimalstelle
Leer		Mit BLANKS gefüllt.

4 *EDI Delivery Note VDA 4913*

4.1 General

A data transfer of delivery notes is made on the basis of VDA standard VDA4913. The fields marked in the VDA description (www.vda.de) as mandatory fields must be filled.

711 M 1 The header record of the delivery note and transport data set contains transmission related

data (once per transmission)

712 M One-off data elements of shipment (once per shipment)

must follow 711

may follow 714, 715

713 M One-off data elements of delivery note (header data)

must follow 712

may follow 714, 715

714 M Item data of delivery note (once per delivery note item)

must follow 713

may follow 715

716 1 Text data on item may follow 714

715 1 Packaging material data (must follow each delivery note item once)

may follow 714, 716 or 715

717 C 1 Individual packaging data

(not used in the suppliers' transmissions)

718 C R Production number data

(not used in the suppliers' transmissions)

719 M 1 Trailer label record containing delivery note and transport data (once per transmission)

must follow 715 or 714

Instructions for the column headers and codes of the data fields.

Key M = Must (Mandatory)

K = May (Conditional)

A = Alpha numeric (Text in tables must be left-aligned)

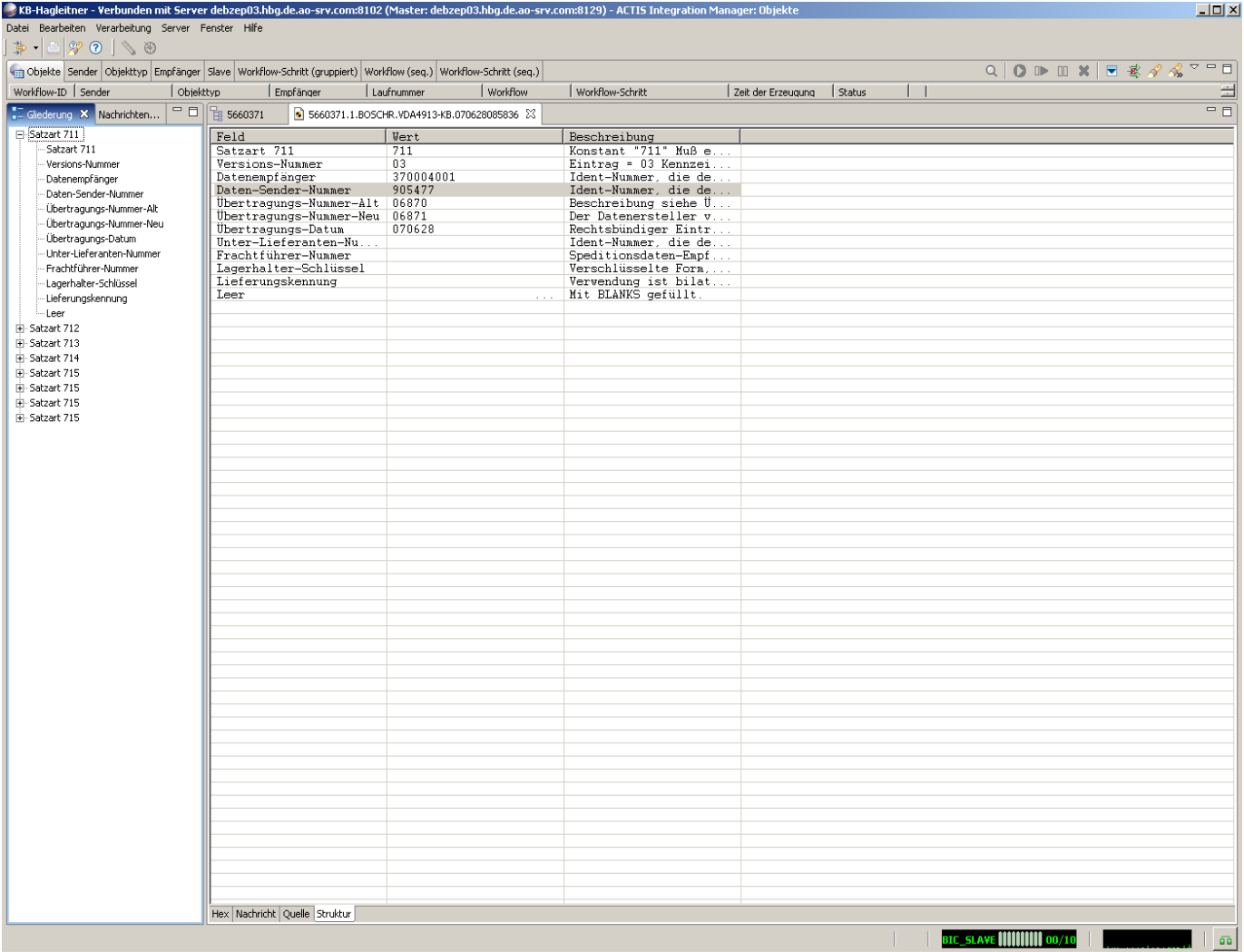
N = Numeric (Text in tables must be right-aligned)

For further information about VDA please visit www.vda.de

KB prefers single delivery notes via EDI

4.2 Segment 711 Header Delivery Note and Transport

Position	Description
1	'711'
2	'03'
3	Our customer number at supplier
4	Supplier number at KB
5	Transmission number old
6	Transmission number new
7	Date of transfer



The screenshot shows the ACTIS Integration Manager interface. The main window displays a table with the following data:

Feld	Wert	Beschreibung
Satzart 711	711	Konstant "711" muß e...
Versions-Nummer	03	Eintrag = 03 Kennzei...
Dateneempfänger	370004001	Ident-Nummer, die de...
Daten-Sender-Nummer	905477	Ident-Nummer, die de...
Übertragungs-Nummer-Alt	06870	Beschreibung siehe Ü...
Übertragungs-Nummer-Neu	06871	Der Datenersteller v...
Übertragungs-Datum	070628	Rechtsbündiger Eintr...
Unter-Lieferanten-Nu...		Ident-Nummer, die de...
Frachtführer-Nummer		Speditionsdaten-Empf...
Lagerhalter-Schlüssel		Verschlüsselte Form...
Lieferungskennung		Verwendung ist bilat...
Leer		Mit BLANKS gefüllt...

The interface also shows a tree view on the left with 'Satzart 711' selected, and a status bar at the bottom indicating 'BIT_SLAVE 00/10'.

4.3. Segment 712 Unique Data Shipment

Position	Description
1	'712'
2	'03'
3	Conveyance reference number
4	Blank/Not used
5	Carrier
6	Freight carrier date
7	Freight carrier time
8	Consignment weight gross
9	Consignment weight net
10	Freight fee (see 8.1)
11	Blank/Not used
12	Total number of packages
13	Blank/not used
14	Code Transport Key (see 8.2)
15	Transport number (e.g. licence plate number)
16	Not used
17	Blank/not used
18	Scheduled date of arrival
19	Scheduled time of arrival
20	Blank / not used
21	Blank / not used
22	Blank

Note to 18 and 19: Due to disposition please send the expected goods incoming date.

KB-Hagleitner - Verbunden mit Server debzep03.hbg.de.ao-srv.com:8102 (Master: debzep03.hbg.de.ao-srv.com:8129) - ACTIS Integration Manager: Objekte

Objekte | Sender | Objekttyp | Empfänger | Slave | Workflow-Schritt (gruppiert) | Workflow (seq.) | Workflow-Schritt (seq.)

Workflow-ID | Sender | Objekttyp | Empfänger | Laufnummer | Workflow | Workflow-Schritt | Zeit der Erzeugung | Status

Gliederung Nachrichten... 5660371 5660371.1.BOSCHR.VDA4913-KB.070628085836

Feld	Wert	Beschreibung
Satzart 711		
Satzart 712		
Satzart 712		
Version-Nummer	712	Konstant "712"
Sendungs-Ladungs-Bezugs-Nummer	03	Eintrag = 03 Kennzeichnung der Aktualität einer Satzart. Wird vom VDA-AKVD j...
Werk Lieferant	03034688	Bezugs-Nummer, die der Versender der Sendung/Ladung zuteilt; rechtsbündiger ...
Werk Lieferant	658	Werk des Lieferanten, von dem geliefert wird. Verschlüsselte Form des Liefer...
Frachtführer	Horvath Rudolf	Name und/oder Nummer des Beteiligten, der den Transport durchführt, ähnlich ...
Frachtführer-Übergabedatum	070628	Datum der Übergabe der Sendung an den Frachtführer / Spediteur. Format: JJJMMT...
Frachtführer-Übergabezeit	0844	Uhrzeit der Übergabe der Sendung an den Frachtführer / Spediteur. Format: HHMM
Frachtführer-Übergabedatum	0000169	Warengeicht einschließlich Verpackung und / oder Ladehilfsmittel, aber auss...
Frachtführer-Übergabezeit	0000149	Warengeicht einschließlich Verpackung ohne Ladehilfsmittel und die Behältn...
Sendungsgewicht Brutto	02	Gibt an, wer in welchem Umfang Frachtkosten zu tragen hat. Verschlüsselte Fo...
Sendungsgewicht Netto		Verschlüsselte Form, 1 = Transport-DFÜ nach VDA 4920 an Spediteur erfolgt. I...
Frankatur-Schlüssel	0001	Summe aller in der Sendung enthaltenen Packstücke, die gehandelt werden. Bei...
Spediteur DFÜ-Schlüssel	Horvath Rudolf	Identnummer (max. 9stellig) des beauftragten Spediteurs/ privaten Paketdiens...
Frankatur-Schlüssel	01	Verschlüsselte Form, siehe Codeliste 02.
Spediteur DFÜ-Schlüssel	KHU-987	Angabe der näheren Bezeichnung oder Nummer für das in voranstehenden Feld ge...
Anzahl Packstücke		Verschlüsselte Form, siehe Codeliste 14: 1 = Im Feld 17 wird die Postleitzah...
Transportmittelnummer		s. Beschreibung 712_16
Transport-Partner-Nummer	070628	Verschlüsselte Form, siehe Codeliste 14: 1 = Im Feld 17 wird die Postleitzah...
Transportmittel-Schlüssel	0844	Vom Kunden vorgegebene Zeit, zu der die Sendung bei ihm eintreffen soll. For...
Transportmittelnummer		Angabe der belegten Meter der Ladefläche, 1 Dezimalstelle (NN, N)
Eintreffdatum Soll		Verschlüsselte Form, siehe Codeliste 10.
Eintreffzeit Soll		Mit BLANKS gefüllt.
Lademeter		
LKW-Art-Schlüssel		
Leer		
Satzart 713		
Satzart 714		
Satzart 715		
Satzart 715		
Satzart 715		
Satzart 715		
Satzart 715		

Hex | Nachricht | Quelle | Struktur

BIC SLAVE 00/10 Nur lesbar 1 : 240

4.4. Segment 713 Unique Data Delivery Note

Position	Description
1	'713'
2	'03'
3	Delivery note number (unique)
4	Dispatch date
5	Unloading points (see tables)
6	Shipping type (see 8.3)
7	Customer reference from del. request
8	Order number of Customer
11	Plant code Customer
15	Storage location of customer

Delivery note number

Based on the allocation of VDA4913 to the corresponding call-off at delivery note level, an individual delivery note should be produced for each part number, which results from the one-dimensional delivery schedules used here.

Shipping

One physical delivery can include a large number of different delivery notes. For this reason the SLB (conveyance reference) number should generally be stated in the record type 712 field 03. Suitable mapping on the Knorr-Bremse SfN GmbH side enables shippings to be swiftly booked into ERP system with all delivery notes included.

Examples

711 see VDA 4913

712 1234(shipping number)

713 Delivery note number 1; order number 5500000000

714 Material number 1; Quantity material number 1

715 Packaging material

713 Delivery note number 2; order number 5500000001

714 Material number 2; Quantity material number 2

.

719 see VDA 4913

Mandatory fields:

Delivery note number

dispatch date,

dispatch type,

unloading point:

plants	Unloading points	description
Aldersbach	06	KB SfN Abl. - St. 5 GK
Aldersbach	07	KB SfN Abl. - St. 6 GA
Aldersbach	08	KB SfN Abl. - St. 1 LB
Aldersbach	09	KB SfN Abl. - St. 2 SB
Aldersbach	17	Huber GmbH
Aldersbach	19	Mon Log GmbH
Berlin	GB	GLX Global Log. Services Fertigware
Berlin	GL	GLX Global Log. Services Nachmarkt
Aldersbach	18	HKB
Kecskemet	GW	Gebrüder Weiss
Kecskemet	K1, K2, K3	W/H & prod. KEC
Kecskemet	B1	Bertrans
Waberer Budapest	W1	Waberers
Lisieux	00	Receiving BUN (BR)
Liberec	CC	Goods Receipt LSP

Liberec	L1	Main Goods Receipt Area
Liberec	L3	GR Area Raw Materials

Zeichen des Kunden = order number

(Attention: the order number in the 713 segment must refer to the material number of the 714 segment)

plants:

VDA Message	Description
001	Aldersbach
002	Berlin Fertigware
003	Berlin Nachmarkt
004	München
005	Schwieberdingen
261	Kecskemet
262	Waberer Budapest
201	Lisieux: Bungi Production
202	Lisieux: Down Town IAM / OES/ SOE
203	Lisieux: Down Town Trailer
291	Liberec

Storage location (see example D01W)

KB-Hagleitner - Verbunden mit Server debzep03.hbg.de.ao-srv.com:8102 (Master: debzep03.hbg.de.ao-srv.com:8129) - ACTIS Integration Manager: Objekte

Objekte | Sender | Objekttyp | Empfänger | Slave | Workflow-Schritt (gruppiert) | Workflow (seq.) | Workflow-Schritt (seq.)

Workflow-ID | Sender | Objekttyp | Empfänger | Laufnummer | Workflow | Workflow-Schritt | Zeit der Erzeugung | Status

5660371 | 5660371.1.BOSCHR.VDA4913+KB.070628085836

Feld	Wert	Beschreibung
Satzart 711		
Satzart 712		
Satzart 713	713	Konstant "713"
Versions-Nummer	03	Eintrag = 03 Kennzeichnung der Aktualität einer Satzart. Wird vom VDA-AKVD j...
Lieferschein-Nummer	01754697	Ident-Nummer, die der Lieferant einem Lieferschein zuteilt, rechtsbündiger E...
Versanddatum	070628	EDL-Anwendung: Jeweils das Datum des betreffenden Vorgangs (Abgangs-, Eingan...
Abladestelle	08	Bezeichnet die Stelle im Werk Kunde, an der die Ware abgeladen werden soll. ...
Versandart	03	Verschlüsselte Form, siehe Codeliste 03.
Zeichen des Kunden (IAB)	FK	Aus Lieferabruf
Zeichen des Kunden (IAB)	5500013818	Aus Lieferabruf
Vorgangsschlüssel		Nur bei EDL-Anwendung. Verschlüsselte Form, siehe Codeliste 09.
Leer		Mit BLANKS gefüllt.
Werk Kunde	001	Werk des Kunden, an das geliefert werden soll. Verschlüsselte Form des Kunden.
Konsignation		Referenz-Angabe der Konsignations-Lieferschein-Nummer des Kunden. Rechtsbünd...
Waren-Empfänger-Nummer		Ident-Nummer, die der Kunde einem Warenempfänger zuteilt, dessen Versandansc...
Leer 2		Mit BLANK gefüllt.
Lagerort Kunde	D01W	Kann vom Kunden individuell festgelegt werden; linksbündiger Eintrag
Lieferantennummer		Nur bei EDL-Anwendung. "Ident-Nummer, die der Kunde einem Lieferanten zuordn...
Verbrauchsstelle		Bezeichnet die Stelle im Werk des Kunden, an der die Ware verbraucht wird; al...
Abruf-Nr		Nummer des Abrufes bei Einzelbestellungen; linksbündiger Eintrag.
Zeichen des Kunden		Angabe aus Einzelbestellung
Dokument-Nr. Kunde		Dokument-Nummer, die vom Kunden für diese Lieferung vergeben wird. Korrespon...
Leer		Mit BLANKS gefüllt.
Satzart 713		
Satzart 713		
Versions-Nummer		
Lieferschein-Nummer		
Versanddatum		
Abladestelle		
Versandart		
Zeichen des Kunden (IAB)		
Zeichen des Kunden (IAB)		
Vorgangsschlüssel		
Leer		
Werk Kunde		
Konsignation		
Waren-Empfänger-Nummer		
Leer 2		
Lagerort Kunde		
Lieferantennummer		
Verbrauchsstelle		
Abruf-Nr		
Zeichen des Kunden		
Dokument-Nr. Kunde		
Leer		
Satzart 714		
Satzart 715		
Satzart 715		
Satzart 715		
Satzart 715		

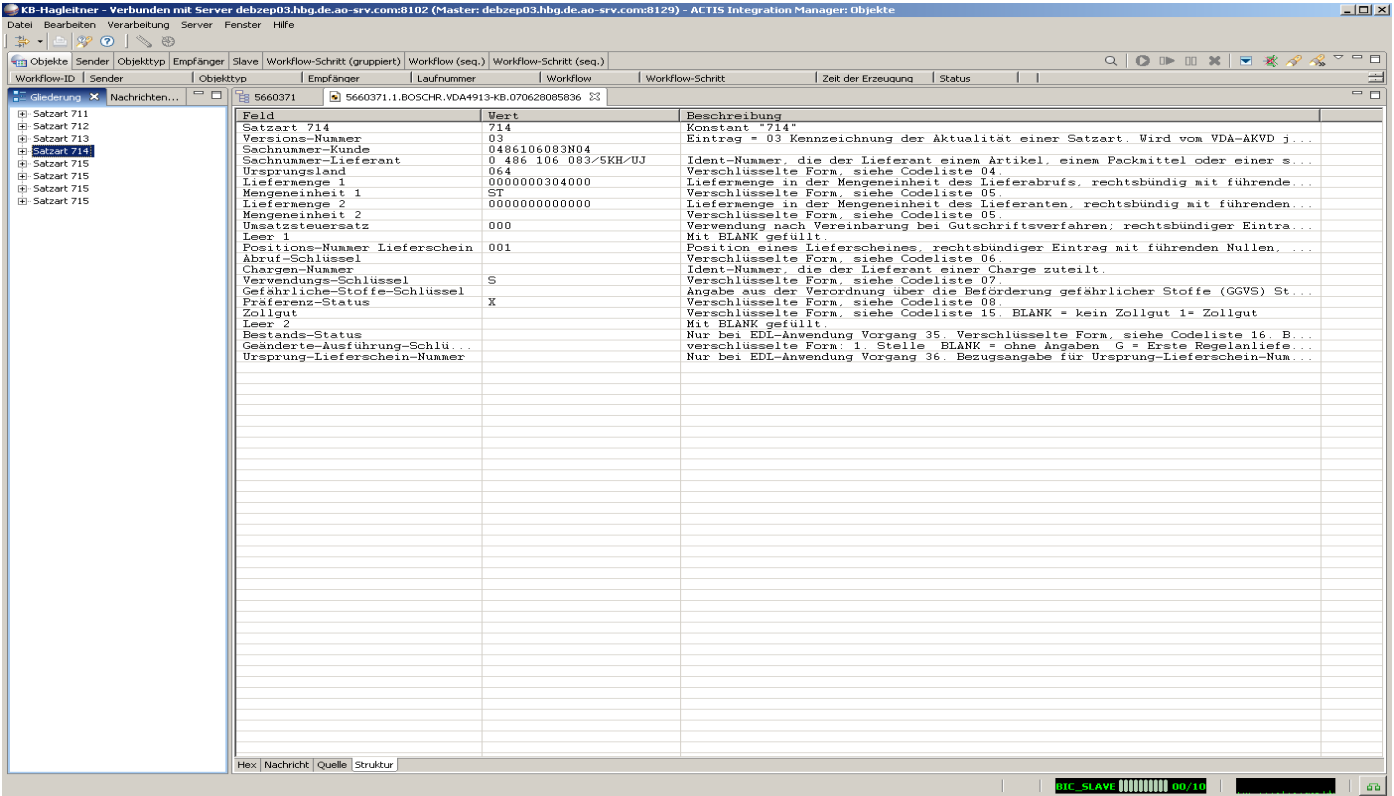
Hex | Nachricht | Quelle | Struktur

BIC SLAVE 00/10 Nur lesbar 1 : 287

4.5 Segment 714 Item Data Delivery Note

Position	Description
1	,714'
2	,03'
3	Material number of customer
4	Material number of supplier
5	Country of origin (see 8.4)
6	Delivery quantity
7	Quantity unit (see 8.5)
12	Item number of delivery note
13	Blank / not used
14	Batch number
15	Usage Key (see 8.6)
17	Preference Status: See VDA 4913 guideline

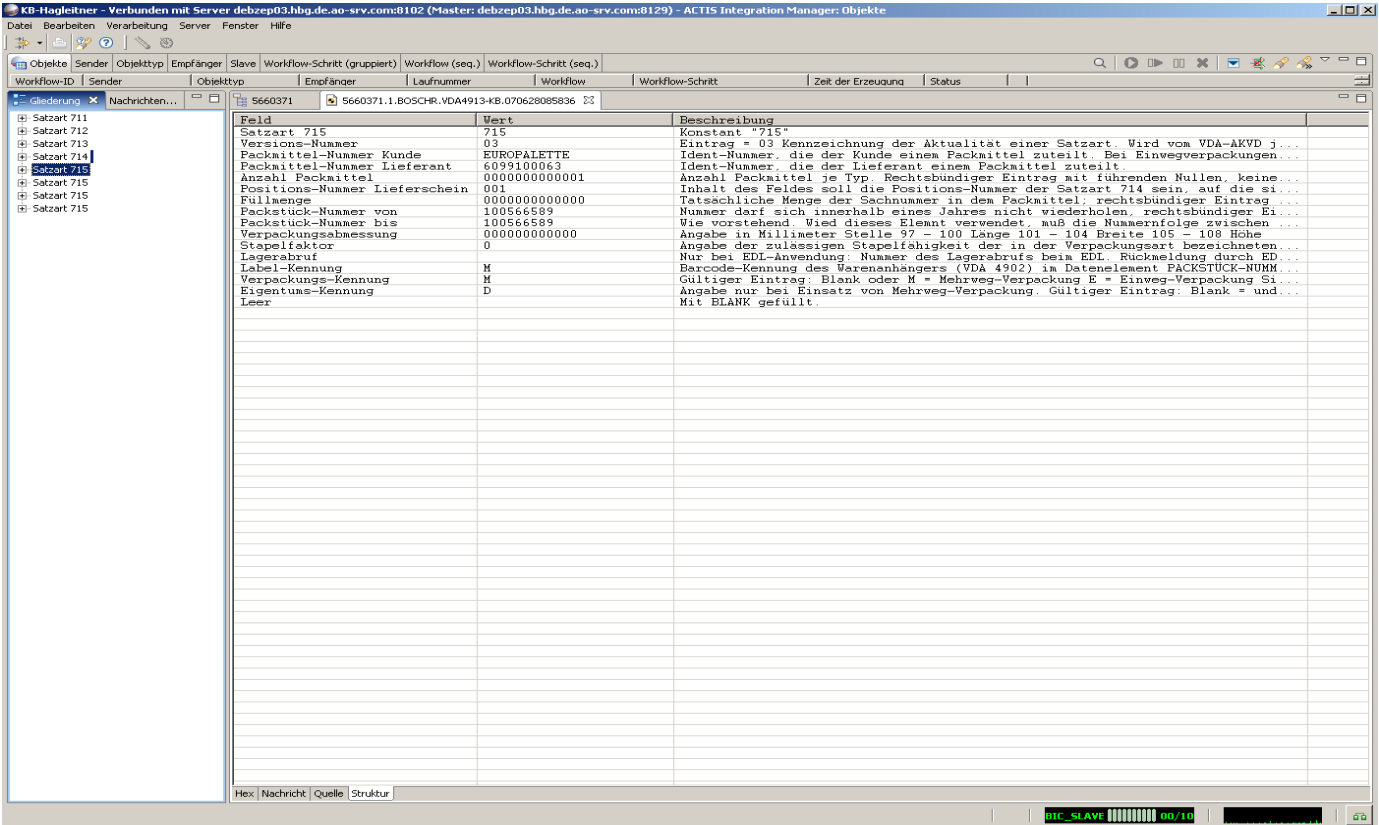
Charge number should be filled.



Feld	Wert	Beschreibung
Satzart 714	714	Konstant "714"
Versions-Nummer	03	Eintrag = 03 Kennzeichnung der Aktualität einer Satzart. Wird vom VDA-AKVD j...
Sachnummer-Kunde	0486106083N04	Verschlüsselte Form, siehe Codeliste 04.
Sachnummer-Lieferant	0 486 106 083/5KH/UJ	Ident-Nummer, die der Lieferant einem Artikel, einem Packmittel oder einer s...
Ursprungsland	064	Verschlüsselte Form, siehe Codeliste 04.
Liefermenge 1	00000000304000	Liefermenge in der Mengeneinheit des Lieferabrufs, rechtsbündig mit führende...
Mengeneinheit 1	ST	Verschlüsselte Form, siehe Codeliste 05.
Liefermenge 2	00000000000000	Liefermenge in der Mengeneinheit des Lieferanten, rechtsbündig mit führenden...
Mengeneinheit 2		Verschlüsselte Form, siehe Codeliste 05.
Umsatzteuersatz	000	Verwendung nach Vereinbarung bei Gutschriftsverfahren; rechtsbündiger Eintra...
Leer 1		Mit BLANK gefüllt.
Positions-Nummer Lieferschein	001	Position eines Lieferscheines, rechtsbündiger Eintrag mit führenden Nullen...
Abruf-Schlüssel		Verschlüsselte Form, siehe Codeliste 06.
Chargen-Nummer		Ident-Nummer, die der Lieferant einer Charge zuteilt.
Verwendungs-Schlüssel	S	Verschlüsselte Form, siehe Codeliste 07.
Gefährliche-Stoffe-Schlüssel		Angabe aus der Verordnung über die Beförderung gefährlicher Stoffe (GGVS) St...
Präferenz-Status	X	Verschlüsselte Form, siehe Codeliste 08.
Zollgut		Verschlüsselte Form, siehe Codeliste 15. BLANK = kein Zollgut 1= Zollgut
Leer 2		Mit BLANK gefüllt.
Bestands-Status		Nur bei EDL-Anwendung Vorgang 35. Verschlüsselte Form, siehe Codeliste 16. B...
Geänderte-Ausführung-Schlu...		verschlüsselte Form: 1. Stelle BLANK = ohne Angaben G = Erste Regelanliefe...
Ursprung-Lieferschein-Numm...		Nur bei EDL-Anwendung Vorgang 36. Bezugsangabe für Ursprung-Lieferschein-Nu...

4.6 Segment 715 Packaging

Position	Description
1	'715'
2	'03'
3	KB packaging number
4	Packaging number of supplier
5	Number of packing materials
6	Item number delivery note
7	Filling volume
8	Package number from
9	Package number to
10	Blank / not used
11	Blank / not used
12	Blank / not used
13	Label (e.g. Single = S, Master = M)
14	Blank / not used
15	Blank / not used
16	Blank / not used



The screenshot shows a software window titled 'KB-Hagleitner - Verbunden mit Server debzep03.hbg.de.ao-srv.com:8102'. The main content is a table with the following data:

Feld	Wert	Beschreibung
Satzart 715	715	Konstant "715"
Versions-Nummer	03	Eintrag = 03 Kennzeichnung der Aktualität einer Satzart. Wird von VDA-AKVD j...
Packmittel-Nummer Kunde	EUROPALETTE	Ident-Nummer, die der Kunde einem Packmittel zuteilt. Bei Einwegverpackungen...
Packmittel-Nummer Lieferant	6099100063	Ident-Nummer, die der Lieferant einem Packmittel zuteilt.
Anzahl Packmittel	000000000001	Anzahl Packmittel je Typ. Rechtsbündiger Eintrag mit führenden Nullen, keine...
Positions-Nummer Lieferschein	001	Inhalt des Feldes soll die Positions-Nummer der Satzart 714 sein, auf die si...
Füllmenge	00000000000000	Tatsächliche Menge der Sachnummer in dem Packmittel, rechtsbündiger Eintrag...
Packstück-Nummer von	100566589	Nummer darf sich innerhalb eines Jahres nicht wiederholen, rechtsbündiger Ei...
Packstück-Nummer bis	100566589	Wie vorstehend. Wird dieses Element verwendet, muß die Nummernfolge zwischen...
Verpackungsabmessung	00000000000000	Angabe in Millimeter. Stelle 97 - 100 Länge 101 - 104 Breite 105 - 108 Höhe...
Stapelfaktor	0	Angabe der zulässigen Stapelfähigkeit der in der Verpackungsart bezeichneten...
Lagerabruf		Nur bei EDI-Anwendung: Nummer des Lagerabrufs beim EDI. Rückmeldung durch EDI...
Label-Kennung	M	Barcode-Kennung des Warenanhängers (VDA 4902) im Datenelement PACKSTÜCK-NUMM...
Verpackungs-Kennung	M	Gültiger Eintrag: Blank oder M = Mehrweg-Verpackung E = Einweg-Verpackung Si...
Eigentums-Kennung	D	Angabe nur bei Einsatz von Mehrweg-Verpackung. Gültiger Eintrag: Blank = und...
Leer		Mit BLANK gefüllt.

Z-14-0106

4.7 Segment 719 Trailer

Position	Description
1	'719'
2	'02'
3	Counter record type 711
4	Counter record type 712
5	Counter record type 713
6	Counter record type 714
7	Counter record type 715
8	Counter record type 716
9	Counter record type 718
10	Counter record type 719
11	Counter record type 717
12	blank

5 *EDI Consignment VDA 4913*

5.1 General

Knorr-Bremse SfN GmbH sends stock data and stock movement data based on VDA4913.

Commission stock data:

- VA 30 notification of goods receipt
- VA 36 withdrawal message
- VA 35 inventory quantity message

5.2 Segment 711

Position	Description
01	'711'
02	'03'
03	Supplier number
04	
05	Transmission number old
06	Transmission number new
07	Date of transmission
08	
09	
10	Warehouse keeper key
a) VA 30	blank
b) VA 35	blank
c) VA 36	Fix value '1'

5.3 Segment 712

Position	Description
01	'712'
02	'03'

All other fields will not be filled for VA 30, VA 35 and VA 36.

This counts for all mandatory fields of 712, too.

5.4 Segment 713

Position	Description
01	'713'
02	'03'
03	Delivery note number
a) VA 30	Delivery note number of the supplier referring to the delivery for commission stock.
b) VA 35	Field delivery note number will be filled with 0
c) VA 36	Contains the withdrawal number of KB. Which is the reference number for later payments.
04	Dispatch date
a) VA 30	Date of delivery
b) VA 35	Date of transfer
c) VA 36	Date of withdrawal
05	Unloading point customer
09	transaction key (30; 35; 36)
11	plant number customer
16	supplier number at customer

5.5 Segment 714

Position	Description
01	'714'
02	'03'
03	Material number customer
04	Material number supplier
05	Country of origin
06	Quantity
07	unit of quantity
12	delivery note position number
14	batch number if it is required and only available for withdrawal messages
22	supplier delivery note number if it is required

5.6 Segment 716

Position	Description
01	'716'
02	'02'
03	Text

5.7 Segment 719 Trailer

Position	Description
01	'719'
02	'02'
03-09	Counter of record types

6 Invoice VDA 4906

6.1 General

Suppliers can transmit invoice data via EDI to Knorr-Bremse SfN GmbH, in order to invoice deliveries within the agreed time intervals. Knorr-Bremse SfN GmbH checks the invoices on the basis of existing contracts, agreed prices and good receipt postings.

In addition to the electronic transmission of invoices data the supplier has to prepare a summary sheet once per invoice file (as per VDA 4906).

811 M Header record Invoice (1 x per file)

812 M Invoice data (1 x per invoice number)

813 M Delivery data (1 x per delivery note number)

814 M Invoice position data (x times per delivery note number)

819 M Trailer record invoice

Key M = Must (Mandatory)

K = May (Conditional)

For further information about VDA please visit www.vda.de

6.2 Segment 811 Header Invoice

Position	Description
01	'811'
02	'02'
03	Customer number at supplier
04	Supplier number
05	Transmission number old
06	Transmission number new
07	Date of transmission
08	Vat number Customer
09	Vat number Supplier

6.3 Segment 812 Invoice Data

Position	Description
01	'812'
02	'02'
03	Invoice number
04	Invoice date
05	Sales tax amount total
06	Total Invoice amount
07	Unit of currency (see 8.9)
08	
09	Sales tax in percent
10	Plant Customer (see table below)
11	Net invoice amount

plants:

VDA Message	Description
001	Aldersbach
002	Berlin Fertigware
003	Berlin Nachmarkt

004	München
005	Schwieberdingen
261	Kecskemet
262	Waberer Budapest
201	Lisieux: Bungi Production
202	Lisieux: Down Town IAM / OES/ SOE
203	Lisieux: Down Town Trailer
291	Liberec

6.4 Segment 813 Delivery Data

Position	Description
01	'813'
02	'01'
03	Delivery note number
04	Delivery date
05	Unloading point (see table below)
06	Type of dispatch (see 8.3)
07	Buyers sign (from call-off)
08	Order number
09	Forwarding charges
10	Packing charges

plants	Unloading points	description
Aldersbach	06	KB SfN Abl. - St. 5 GK
Aldersbach	07	KB SfN Abl. - St. 6 GA
Aldersbach	08	KB SfN Abl. - St. 1 LB
Aldersbach	09	KB SfN Abl. - St. 2 SB
Aldersbach	17	Huber GmbH

Aldersbach	19	Mon Log GmbH
Berlin	GB	GLX Global Log. Services Fertigware
Berlin	GL	GLX Global Log. Services Nachmarkt
Aldersbach	18	HKB
Kecskemet	GW	Gebrüder Weiss
Kecskemet	K1, K2, K3	W/H & prod. KEC
Kecskemet	B1	Bertrans
Waberer Budapest	W1	Waberers
Lisieux	00	Receiving BUN (BR)
Liberec	CC	Goods Receipt LSP
Liberec	L1	Main Goods Receipt Area
Liberec	L3	GR Area Raw Materials

6.5 Segment 814 Invoice position

Position	Description
01	'814'
02	'03'
03	Material number of customer
04	Material number of supplier
05	Delivery quantity
06	Price unit (see 8.10)
07	Net unit price
08	Net total price
09	
10	

Country of origin (see 8.4)

6.6 Segment 819 Trailer

Position	Description
01	'819'
02	'03'
03	Counter record type 811
04	Counter record type 812
05	Counter record type 813
06	Counter record type 814
07	Counter record type 819
08	Sum of all 812 fields 'total invoice amount'
09	Sum of all 812 fields 'net invoice amount'
10	Sum of all 812 fields 'Sales tax amount'
11	Sales tax in percent

For further information about VDA 4906 please visit www.vda.de.

7 *Self-Billing VDA 4908*

In case of self-billing there is not booked an invoice of a supplier, but the deliveries are billed on the basis of goods receipts or withdrawal (consignment) by the customer.

The self-billing message gives notice of this account that can be used at the supplier for clearing the internal invoice. The EDI message contains one or more self-billing documents in one transmission with as summarized information at the end to cross check the amounts.

Additionally it is possible to receive a summarizing list as a paper document.

7.1 General

The information message is described in detail in VDA recommendation 4908. Knorr-Bremse SfN GmbH Germany does not use any particular or special codings for the fields described here.

See VDA recommendation 4908.

821 1 x per Transmission file

822 1 x per Self-billing document

823 1 x per Delivery

824 1 x per Article

829 1 x per Transmission file

7.2 Segment 821

Position	Description
01	'821'
02	'04'
03	Customer ID
04	Supplier ID
05	Transmission number old
06	Transmission number new
07	Date of transmission
08	VAT number customer
09	VAT number supplier

7.3 Segment 822

Position	Description
01	'822'
02	'02'
03	Self-billing number
04	Self-billing date
05	Due date
06	not used (filled with Zeros)
07	Signed field (1=positive, 2=negative)
08	not used (filled with Zeros)
09	Total sales tax amount
10	Total final gross amount
11	Signed field (1=positive, 2=negative)
12	Currency (e.g. EUR)
13	not used
14	'0'
15	not used
16	not used
17	Blank

7.4 Segment 823

Position	Description
01	'823'
02	'03'
03	Number based on process see a) or b)
a)	Withdrawal number from customer (consignment)
b)	Delivery note number from supplier
04	Plant number customer
05	Dispatch date based on process a) or b)
a)	Date of withdrawal (consignment)
b)	Dispatch date supplier
06	filled with Zeros
07	Signed field (1=positive, 2=negative)
08	Filled with Zeros
09	Tax amount based on delivery note
10	Final gross amount based on delivery note
11	Signed field (1=positive, 2=negative)
12	order number based on process a) or b)
a)	Not filled (consignment)
b)	Purchase order number of customer
13	Unloading point
14	not used
15	not used
16	not used
17	blank

7.5 Segment 824

Position	Description
01	'824'
02	'03'
03	Posting Key see a) or b)
a)	'04' (withdrawal from consignment stock)
b)	'01' (goods incoming)
04	customer material number
05	Quantity see a) or b)
a)	quantity of withdrawal (consignment)
b)	delivery quantity
06	Quantity unit (see 8.5)
07	Pricing unit (see 8.10)
08	Net price per pricing unit
09	Total net price of delivered position
10	Signed field (1=positive, 2=negative)
11	Not used
12	Not used
13	Tax rate
14	Tax amount of position
15	Not used
16	blank

7.6 Segment 829

Position	Description
01	'829'
02	'03'
03-11	Counter of different records
12	Summary of sales tax amount
13	Total gross price
14	Signed field
15	'0'
16	blank

8 *VDA Code tables*

8.1 **Freight Fee**

- 01 Carriage paid
- 02 Free destination
- 03 FOB
- 04 Free German border
- 05 Free receiving carrier
- 99 Special carriage (individual agreement)

8.2 **Transport Key**

- 01 Vehicle plate number
- 02 Bordero number
- 06 Mixed freight number
- 07 Express consignment number
- 08 Wagon number
- 09 Postal package number
- 10 Flight number and/or airway bill number
- 11 Name of ship

8.3 **Shipping type**

- 01 Truck (subcontractor)
- 02 Truck customer
- 03 Truck carrier
- 04 Truck rail
- 05 Truck own (supplier)
- 06 Rail freight
- 07 Rail express
- 08 Rail wagon
- 09 Postal consignment
- 10 Airfreight
- 11 Sea freight
- 20 Private parcel service

8.4 Country of origin

001 France
002 Belgium
003 Netherlands
004 Germany
005 Italy
006 England
007 Eire
008 Denmark
010 Portugal
011 Spain
030 Sweden
036 Switzerland
038 Austria
064 Hungary
400 USA
404 Canada
432 Japan
999 Other countries

8.5 Quantity unit

G Gram
KG Kilogram
KM Kilometre
L Litre
M Metre
M2 Square metre
M3 Cubic metre
MM Millimetre
PA Pair
SA Set
SD Hour
ST Piece
T Tonne
TG Day

8.6 Use

E General replacement
M Specimen
P Pilot
S General series production
U Series and replacement
V Trial
X Miscellaneous
Y Sample
Z Additional requirement

8.7 Preference status

- C Switzerland
- F Finland
- G EU origin
- I Iceland
- N Norway
- O Austria
- S Sweden
- W Goods of EU origin; eligible for preferential treatment with EFTA states
- X Not yet approved, no goods origin

8.8 Transaction key

For direct data exchange between supplier and customer

- 30** Notification of receipt by EDL to supplier
for EDL applications
- 32** Damage/loss/difference in shipment by EDL to supplier
for EDL applications
- 33** Return by EDL to supplier
for EDL applications
- 35** Stock from EDL to supplier or customer
for EDL applications
- 36** Notification of dispatch by EDL to supplier
for EDL applications
- 40** Delivery advice
for EDL applications
 - Supplier to EDL
 - EDL to customer

8.9 Currency unit

- 040 Schilling (Austria)
- 250 French Franc
- 280 German Mark
- 826 English Pound
- 840 US Dollar
- 978 Euro

8.10 Pricing unit

- 01 per 1 item
- 02 per 100 items
- 03 per 1000 items
- 99 per specified quantity