

Richtlinie | Guideline

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	Name	Abt./Dpt.
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	Name	Abt./Dpt.

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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 GXS.

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

cvsedi@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

Feld	Wert	Beschreibung
Satzart 511	511	Konstant "511"
Versions-Nummer	02	Eintrag = 02 Kennzei...
Kunden-Nummer	751 029	Ident-Nummer, die de...
Lieferanten-Nummer	905477	Ident-Nummer, die de...
Übertragungs-Numme...	13010	Beschreibung siehe Ü...
Übertragungs-Numme...	13011	Der Datenersteller v...
Übertragungs-Datum	070717	Format: JJMMTT
Datum-Nullstellung...		Format: JJMMTT
Leer	...	Mit BLANKS gefüllt.

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

Feld	Wert	Beschreibung
Satzart 512	512	Konstant "512"
Versions-Nummer	01	Eintrag = 01 Kennzei...
Werk-Kunde	002	Werk des Kunden, an ...
Lieferabruf-Nummer...	14	Der Kunde vergibt fü...
Lieferabruf-Datum neu	070717	In Verbindung mit Po...
Lieferabruf-Nummer...	13	Siehe Lieferabruf-Nu...
Lieferabruf-Datum alt	070713	In Verbindung mit Po...
Sach-Nummer Kunde	0486000181100	Identnummer, die der...
Sach-Nummer Lieferant		Identnummer, die der...
Abschluß-/Bestell-...	5500014074	Identnummer, die der...
Abladestelle	GB	Die Abladestelle bez...
Zeichen des Kunden	Hr.D	Linksbündiger Eintra...
Mengeneinheit	ST	Verschlüsselte Form,...
Anlieferungs-Inter...	L	Verschlüsselte Form,...
Fertigungsfreigabe		Anzahl Monate einschl...
Materialfreigabe		Anzahl Monate einschl...
Verwendungsschlüssel	S	Verschlüsselte Form,...
Kontierungsschlüssel		Auch Zusatzdaten des...
Lager	D01W	Lagerort Kunde, ergä...
Leer		Mit BLANKS gefüllt.

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
Arcore	020	Main Goods Receipt Area
Arcore	082	GR Area Merchandised
Arcore	GEO	Goods Receipt LSPs
RDC Augsburg	RC	RDC IAM / Aftermarket

Plants (see in example: 002):

Plants:

VDA message	description
001	Aldersbach
002	Berlin Fertigware
003	Berlin Nachmarkt
004	München
005	Schwieberdingen
006	RDC Augsburg
164	CDC Berlin AM Grünheide
165	CDC Berlin OE Grünheide
261	Kecskemet
262	Waberer Budapest
201	Lisieux: Bungi Production
202	Lisieux: Down Town IAM / OES/ SOE
203	Lisieux: Down Town Trailer
291	Liberec
221	Arcore Production
222	Arcore IAM Aftermarket
281	Bristol

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

Feld	Wert	Beschreibung
Satzart 513	513	Konstant "513"
Versions-Nummer	01	Eintrag = 01 Kennzeichnung der Aktualität
Erfassungs-Datum 1...	070627	Der Kunde hat bis zu diesem Datum eingeg...
Lieferschein-Numme...	2006115	Lieferscheinnummer der letzten beim Kunde
Lieferschein-Datum...	070627	Versanddatum der letzten beim Kunden verl
Menge letzter Eingang	000002480000	Menge der letzten beim Kunden verbuchten
Eingangs-Fortschri...	0000038860	Fortschrittszahl, die alle vom Kunden pos
Abrufdatum 1	070730	Abruftermine können als Tages-/Wochen- bz
Abrufmenge 1	000005000	Enthält die Abruf-Menge 1. Alle Abruf-Men
Abrufdatum 2	070827	siehe Abrufdatum 1
Abrufmenge 2	000003000	siehe Abrufmenge 1
Abrufdatum 3	071029	siehe Abrufdatum 1
Abrufmenge 3	000005000	siehe Abrufmenge 1
Abrufdatum 4	071126	siehe Abrufdatum 1
Abrufmenge 4	000014000	siehe Abrufmenge 1
Abrufdatum 5	071224	siehe Abrufdatum 1
Abrufmenge 5	000004000	siehe Abrufmenge 1
Leer		Mit BLANKS gefüllt.

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

Logic of transmission of dates and qty

Special situations are indicated by codes, otherwise delivery date is served in format YYMMDD.

000000	Indicates the last scheduling field of a reference number in the current call-off. The associated quantity field and all other request fields for the data records are BLANK.
222222	Indicates no requirement for the reference number. The associated qty fields as well as all other request fields for this record type are blank.
333333	Indicates a backlog quantity.
444444	Indicates an immediate demand of quantity.
555555	Indicates that the following request field contains qty which are related to the period specified in the request date. The associated qty field is set to zero.
999999	Indicates the remaining qty until end of the schedule period.

KB sends usually in the format YYMMDD.

Identification of monthly quantities e.g.

date 1	081101	qty 1:	60000
date 2	081201	qty 2:	80000.

Monthly quantities start with the first of the month.

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

Feld	Wert	Beschreibung
Satzart 515	515	Konstant "515"
Versions-Nummer	02	Eintrag = 02 Kennzeichnung der
Fertigungsfreigabe...	000000	Format: JJMMTT
Fertigungsfreigabe...	070915	Format: JJMMTT
Fertigungsfreigabe...	0000000000	Fortschrittszahl der Fertigungs
Materialfreigabe, ...	000000	Format: JJMMTT
Materialfreigabe, ...	071114	Format: JJMMTT
Materialfreigabe, ...	0000000000	Fortschrittszahl der Materialfr
FPSD-Sachnummer		Sachnummer des amerikanischen F
Zwischenlieferant		Bei Lieferungen an das amerikar
Datum Planungshori...	000000	Enddatum des Planungshorizonts
Verbrauchsstelle		Verbrauchsstelle
Zur Nullstellung e...	0000000000	Letzte beim "Datum zur Nullstel
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

Feld	Wert	Beschreibung
Satzart 517	517	Konstant "517"
Versions-Nummer	01	Eintrag = 01 Kennzeichnung der...
Sachnummer Kunde f...	L340	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.

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

Feld	Wert	Beschreibung
Satzart 519	519	Konstant "519"
Versions-Nummer	02	Eintrag = 02, Änderung Mai 1993 Kennzeichnung
Zähler Satzart 511	0000001	Anzahl der übertragenen Sätze der Satzart 511.
Zähler Satzart 512	0000001	Anzahl der übertragenen Sätze der Satzart 512.
Zähler Satzart 513	0000001	Anzahl der übertragenen Sätze der Satzart 513.
Zähler Satzart 514	0000001	Anzahl der übertragenen Sätze der Satzart 514.
Zähler Satzart 517	0000000	Anzahl der übertragenen Sätze der Satzart 517.
Zähler Satzart 518	0000000	Anzahl der übertragenen Sätze der Satzart 518.
Zähler Satzart 519	0000001	Anzahl der übertragenen Sätze der Satzart 519.
Zähler Satzart 515	0000001	Anzahl der übertragenen Sätze der Satzart 515.
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

Feld	Wert	Beschreibung
Satzart 711	711	Konstant "711" Muß e...
Versions-Nummer	03	Eintrag = 03 Kennzei...
Datenempfänger	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.

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.

Feld	Wert	Beschreibung
Satzart 712	712	Konstant "712"
Versions-Nummer	03	Eintrag = 03 Kennzeichnung der Aktualität e
Sendungs-Ladungs-Bezugs-Nu...	03034688	Bezugs-Nummer, die der Versender der Sendun
Werk Lieferant	658	Werk des Lieferanten, von dem geliefert wir
Frachtführer	Horvath Rudolf	Name und/oder Nummer des Beteiligten, der d
Frachtführer Übergabedatum	070628	Datum der Übergabe der Sendung an den Frach
Frachtführer-Übergabezeit	0844	Uhrzeit der Übergabe der Sendung an den Frä
Sendungsgewicht Brutto	0000169	Warengewicht einschließlich Verpackung und
Sendungsgewicht Netto	0000149	Warengewicht einschließlich Verpackung ohne
Frankatur-Schlüssel	02	Gibt an, wer in welchem Umfang Frachtkosten
Spediteur DFÜ-Schlüssel		Verschlüsselte Form, 1 = Transport-DFÜ nach
Anzahl Packstücke	0001	Summe aller in der Sendung enthaltenen Pack
Transport-Partner-Nummer	Horvath Rudolf	Identnummer (max. 9stellig) des beauftragte
Transportmittel-Schlüssel	01	Verschlüsselte Form, siehe Codeliste 02.
Transportmittelnnummer	KHU-987	Angabe der näheren Bezeichnung oder Nummer
Eintreffdatum Soll		Verschlüsselte Form, siehe Codeliste 14: 1
Inhalt gem. Schlüssel in 7...		s. Beschreibung 712_16
Eintreffdatum Soll	070628	Verschlüsselte Form, siehe Codeliste 14: 1
Eintreffzeit Soll	0844	Vom Kunden vorgegebene Zeit, zu der die Sen
Lademeter		Angabe der belegten Meter der Ladefläche, 1
LKW-Art-Schlüssel	1	Verschlüsselte Form, siehe Codeliste 10.
Leer		Mit BLANKS gefüllt.

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
Arcore	020	Main Goods Receipt Area
Arcore	082	GR Area Merchandised
Arcore	GEO	Goods Receipt LSPs
RDC Augsburg	RC	RDC IAM / Aftermarket

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
006	RDC Augsburg
164	CDC Berlin AM Grünheide
165	CDC Berlin OE Grünheide
261	Kecskemet
262	Waberer Budapest
201	Lisieux: Bungi Production
202	Lisieux: Down Town IAM / OES/ SOE
203	Lisieux: Down Town Trailer
291	Liberec
221	Arcore Production
222	Arcore IAM Aftermarket
281	Bristol

Storage location (see example D01W)

Feld	Wert	Beschreibung
Satzart 713	713	Konstant "713"
Versions-Nummer	03	Eintrag = 03 Kennzeichnung der Aktualität einer Satzart. Wird ve
Lieferschein-Nummer	01754697	Ident-Nummer, die der Lieferant einem Lieferschein zuteilt, rech
Versanddatum	070628	EDL-Anwendung: Jeweils das Datum des betreffenden Vorgangs (Abge
Abladestelle	08	Bezeichnet die Stelle im Werk Kunde, an der die Ware abgeladen w
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 Fc
Konsignation		Referenz-Angabe der Konsignations-Lieferschein-Nummer des Kunden
Waren-Empfänger-Nummer		Ident-Nummer, die der Kunde einem Warenempfänger zuteilt, dessen
Leer 2		Mit BLANK gefüllt.
Lagerort Kunde	D01W	Kann vom Kunden individuell festgelegt werden; linksbündiger Ein
Lieferantennummer		Nur bei EDL-Anwendung. "Ident-Nummer, die der Kunde einem Liefer
Verbrauchsstelle		Bezeichnet die Stelle im Werk des Kunden, an der die Ware verbrau
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 wir
Leer		Mit BLANKS gefüllt.

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
Sachnummer-Kunde	0486106083N04	
Sachnummer-Lieferant	0 486 106 083/5KH/UJ	Ident-Nummer, die der Lieferant einem Art
Ursprungsland	064	Verschlüsselte Form, siehe Codeliste 04.
Liefermenge 1	0000000304000	Liefermenge in der Mengeneinheit des Lief
Mengeneinheit 1	ST	Verschlüsselte Form, siehe Codeliste 05.
Liefermenge 2	00000000000000	Liefermenge in der Mengeneinheit des Lief
Mengeneinheit 2		Verschlüsselte Form, siehe Codeliste 05.
Umsatzsteuersatz	000	Verwendung nach Vereinbarung bei Gutschri
Leer 1		Mit BLANK gefüllt.
Positions-Nummer Lieferschein	001	Position eines Lieferscheines, rechtsbünd
Abruf-Schlüssel		Verschlüsselte Form, siehe Codeliste 06.
Chargen-Nummer		Ident-Nummer, die der Lieferant einer Cha
Verwendungs-Schlüssel	S	Verschlüsselte Form, siehe Codeliste 07.
Gefährliche-Stoffe-Schlüssel		Angabe aus der Verordnung über die Beförd
Präferenz-Status	X	Verschlüsselte Form, siehe Codeliste 08.
Zollgut		Verschlüsselte Form, siehe Codeliste 15.
Leer 2		Mit BLANK gefüllt.
Bestands-Status		Nur bei EDL-Anwendung Vorgang 35. Verschl
Geänderte-Ausführung-Schlü...		verschlüsselte Form: 1. Stelle BLANK = 0
Ursprung-Lieferschein-Nummer		Nur bei EDL-Anwendung Vorgang 36. Bezuqsa

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

Feld	Wert	Beschreibung
Satzart 715	715	Konstant "715"
Versions-Nummer	03	Eintrag = 03 Kennzeichnung der Aktual
Packmittel-Nummer Kunde	EUROPALETTE	Ident-Nummer, die der Kunde einem Pac
Packmittel-Nummer Lieferant	6099100063	Ident-Nummer, die der Lieferant einem
Anzahl Packmittel	0000000000001	Anzahl Packmittel je Typ. Rechtsbündi
Positions-Nummer Lieferschein	001	Inhalt des Feldes soll die Positions-
Füllmenge	00000000000000	Tatsächliche Menge der Sachnummer in
Packstück-Nummer von	100566589	Nummer darf sich innerhalb eines Jahr
Packstück-Nummer bis	100566589	Wie vorstehend. Wied dieses Element ve
Verpackungsabmessung	00000000000000	Angabe in Millimeter Stelle 97 - 100
Stapelfaktor	0	Angabe der zulässigen Stapelfähigkeit
Lagerabruf		Nur bei EDL-Anwendung: Nummer des Lag
Label-Kennnung	M	Barcode-Kennnung des Warenanhängers (V
Verpackungs-Kennnung	M	Gültiger Eintrag: Blank oder M = Mehr
Eigentums-Kennnung	D	Angabe nur bei Einsatz von Mehrweg-Ve
Leer		Mit BLANK gefüllt.

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
006	RDC Augsburg
164	CDC Berlin AM Grünheide
165	CDC Berlin OE Grünheide
261	Kecskemet
262	Waberer Budapest
201	Lisieux: Bungi Production
202	Lisieux: Down Town IAM / OES/ SOE
203	Lisieux: Down Town Trailer
291	Liberec
221	Arcore Production
222	Arcore IAM Aftermarket
281	Bristol

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
Arcore	020	Main Goods Receipt Area
Arcore	082	GR Area Merchandised
Arcore	GEO	Goods Receipt LSPs
RDC Augsburg	RC	RDC IAM / Aftermarket

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