

Mercedes-Benz

Electronic Data Interchange Manual (EDI)


12.1. Transport data for shipments Guideline VDA 4921


ALD00001304

Contact

Mercedes-Benz AG | Stuttgart, Germany | www.mercedes-benz.com
Department SC/WT

 ibl-support@mercedes-benz.com

 +49 (0)30 / 887 215 588

 Table of contents

1. Transport data for shipments according to VDA 4921	3
1.1. Notes on record types and data elements.....	3
1.1.1. Record type 751	3
1.1.2. Record type 752	6
1.1.3. Record type 753	9
1.1.4. Record type 754	12
1.1.5. Record type 755	16
1.2. Transport management	21
1.2.1. Data transmission	21
1.2.2. Notes on record types and data elements.....	22
1.3. Crossdock delivery	25
1.3.1. Crossdock Vitoria	25
1.3.2. Crossdock Kecskemét.....	26
1.3.3. Crossdock Sebes	27
1.3.4. Crossdock Jawor.....	27
1.4. Exchange dropside body concept (Wechselbrückenkonzept)	28

Transport data for shipments according to VDA 4921

Notes on record types and data elements

Record type 751

Record type 751					
Delivery note and transport data header record					
Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 01	N	3	M	Record type	751

Description:

Constant "751". Must be present once for each EDI run, otherwise there is no processing.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 02	N	2	M	Version number	01

Description:

Indicates how up-to-date a record type is. Listed in an unbroken ascending order for each record type. The indicator is increased by 1 after each change to a record type completed by the "Print forms/data exchange" VDA worker. Permissible: 01-99.

Documented version: "01".

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 03	A	9	M	Data recipient number	123456789

Description:

ID number that the data recipient agrees with the data sender. All the data in a record structure that contains the data sender number field is covered by data protection. Left-justified.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 04	A	9	M	Data sender number	12345678

Description:

ID number that the data recipient agrees on with the data sender. All the data in a record structure that contains the data sender number field is covered by data protection. Left-justified. Enter your valid Mercedes-Benz supplier number here, with index, if applicable.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 05	N	5	M	Interchange number old	00001

Description:

Right-justified entry with leading zeroes. No decimal places. See Interchange number new. In the first interchange, the interchange number old = interchange number new.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 06	N	5	M	Interchange number new	00002

Description:

The data creator assigns an interchange number for each EDI run. The data creator and data recipient retain this number for each functional area until the next interchange in the same functional area. As the data creator also specifies the interchange number for the previous EDI run within the same functional area, the recipient can check whether the EDI datasets in each functional area are complete. As a result, it is not necessary for the numbers to ascend in an unbroken sequence. Right-justified entry with leading zeroes, no decimal places.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 07	N	6	M	Interchange date	091130

Description:

Format: YYMMDD

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 08	A	89	M	Blank	[Blank]

Description:

[Blank] = space

Record type 752

Record type 752					
One-off data for the transport					
Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 01	N	3	M	Record type	752

Description:

Constant "752"

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 02	N	2	M	Version number	01

Description:

Indicates how up-to-date a record type is. Permissible: 01-99. Documented: "01".

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 03	N	2	M	Means of transport code	01

Description:

For the codes used, see VDA recommendation.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 04	A	25	M	Means of transport number	BB-AA 1235

Description:

Specifies the more detailed designation or number for the means of transport named in the preceding field. Example: If the means of transport code is "01" motor vehicle, enter the tractor unit's and/or trailer's license plate number or the exchange dropside body number. Left-justified. Separate multiple license numbers with BLANKS. [Blank] = space

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 05	A	17	M	Manifest number	30141234

Description:

ID number that the forwarding agent assigns to a bordereau note. The bordereau is a combination of individual consignments from a forwarding agents for a single goods recipient. Left-justified, in print form.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 06	N	6	M	Bordereau date	091130

Description:

Format: YYMMDD

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 07	N	1	M	Bordereau correction code	[Blank]

Description:

Code used: [Blank] = no change, **1** = 1st change, **2** = 2nd change, **L** = delete

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 08	A	8	O	Extra tour no.	12345678

Description:

Order number assigned by the customer to identify an extra tour with freight calculation. Left-justified.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 09	N	6	O	Consignment volume	000654

Description:

Specifies the cubic meters, calculated from the largest length, width and height. Right-justified entry with leading zeroes. No decimal places.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 10	N	12	O	Consignment load meters	000000000340

Description:

Specification in m (load meters). Right-justified entry with leading zeroes. No decimal places.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 11	A	46	M	Blank	[Blank]

Description:

[Blank] = space

Record type 753

Record type 753					
One-off data for the delivery note					
Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 01	N	3	M	Record type	753

Description:

Constant "753"

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 02	N	2	M	Version number	02

Description:

Indicates how up-to-date a record type is. See record type 751.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 03	N	6	O	Means of transport location date	091130

Description:

Date on which the means of transport is at the specified location. Format: YYMMDD

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 04	N	4	O	Means of transport location time	1345

Description:

Time at which the means of transport is at the specified location. Format: HHMM

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 05	A	35	O	Means of transport location	Stuttgart

Description:

Location of the means of transport. Left-justified.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 06	N	6	O	Planned arrival date	091203

Description:

Date planned by the supplier for the arrival of the consignment at the customer's site.

Format: YYYYMMDD

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 07	N	4	O	Planned arrival time	1400

Description:

Time planned by the supplier for the arrival of the shipment at the customer's site.

Format: HHMM

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 08	N	1	M	Information correction code	

Description:

For the codes used, see VDA recommendation.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 09	A	67	O	Text	

Description:

Free continuous text. Left-justified.

Record type 754

Record type 754					
Delivery note position data					
Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 01	N	3	M	Record type	754

Description:

Constant "754"

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 02	N	2	M	Version number	03

Description:

Indicates how up-to-date a record type is, see record type 751.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 03	A	9	M	Supplier no.	12345678A

Description:

ID number that the customer assigns to a supplier (authorized agent). All data of a record form that contains the supplier number field are subject to data protection. Left-justified.

The supplier number must be taken from the copy of the EDI delivery note (e.g. according to VDA4913).

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 04	N	8	M	Consignment no.	00555554

Description:

Reference number assigned by the sender/supplier to the consignment/load. Right-justified entry with leading zeroes. This number must not be repeated within a period of one year. The sender enters this number in field 8 of the "forwarding instruction VDA 4922" or in field 13A of the railway consignment note.

The consignment load reference number must be taken from the copy of the EDI delivery note (e.g. according to VDA4913).

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 05	A	17	O	Forwarding instruction no.	

Description:

ID number that the freight forwarder assigns to an order. Left-justified.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 06	N	6	O	Forwarding entry date	091129

Description:

Assigned by freight forwarder. Format: YYMMDD

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 07	A	1	O	Consignment code	

Description:

For the codes used, see VDA recommendation.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 08	N	7	M	Gross consignment weight	0000490

Description:

Weight of goods, including packaging and/or loading equipment, but only the freight forwarder's containers. (Specification from waybill, similar to TDED 6292.) Quantity unit: kg, right-justified entry with leading zeroes, no decimal places.

The gross consignment weight is to be taken from the copy of the delivery note EDI (e.g. according to VDA4913).

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 09	N	7	O	Consignment net weight	0000460

Description:

Weight of goods, including the packaging without loading equipment and the freight forwarder's containers (similar to TDED 6160). Quantity unit: kg, right-justified entry with leading zeroes, no decimal places.

For certain processes, this field can be mandatory.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 10	N	7	O	No. of packages	5

Description:

Total of all packages included in the consignment that are visible to the freight forwarder/forwarding agent, regardless of packing material types.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 11	A	5	M	unloading point	499

Description:

Specifies the point in the customer's plant where the goods are to be unloaded. Customer's codes used. Left-justified.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 12	A	3	M	Supplier plant	AAA

Description:

Supplier's plant from which the delivery is sent, supplier's codes used. Left-justified.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 13	A	3	O	Customer plant	050

Description:

The customer's plant that is to be supplied. Customer's codes used. Left-justified.

In particular cases another entry can be demanded here by the Mercedes-Benz AG. Then the field becomes the mandatory field.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 14	A	53	M	Blank	

Description:

[Blank] = space

Record type 755

Record type 755					
Packing material data					
Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 01	N	3	M	Record type	755

Description:

Constant "755"

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 02	N	2	M	Version number	01

Description:

Indicates how up-to-date this record type is. Permissible: 01-99. Documented: "01".

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 03			M	Shipment delivery note table	

Description:

The delivery note number (s) is / are to be taken from the copy of the delivery note EDI (e.g. according to VDA4913)

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 04	A	8	O	Delivery note no.	00000001

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 05	A	8	O	Delivery note no.	00000002

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 06	A	8	O	Delivery note no.	00000003

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 07	A	8	O	Delivery note no.	00000004

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 08	A	8	O	Delivery note no.	00000005

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 09	A	8	O	Delivery note number	00000006

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 10	A	8	O	Delivery note no.	00000007

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 11	A	8	O	Delivery note no.	00000008

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 12	A	8	O	Delivery note no.	00000009

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 13	A	8	O	Delivery note no.	00000010

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 14	A	8	O	Delivery note number	00000011

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 15	A	8	O	Delivery note no.	00000012

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 16	A	8	O	Delivery note no.	00000013

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 17	A	8	O	Delivery note no.	00000014

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 18	A	8	O	Delivery note no.	00000015

Description:

ID number that the supplier assigns to a delivery note. Right-justified entry with leading zeroes. Ascending sequence.

Transport management

Generally, the VDA 4921 specification applies. Deviations from the specification, with regard to transport management, are described in this section.

Data transmission

The transport EDI is to be sent by no later than 2 hours before loading to the main run. This is essential to ensure that the loader can download the data for the packages to be collected (electronic target loading list) on their mobile phone.

Notes on record types and data elements

The sequence of record types must be exactly as per the VDA specification.

Record type 752					
Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 04	A	25	M	Means of transport number	BB-AA123456

Description:

Official number plate of transport vehicle (tractor unit). Fill in the field left-justified.

Value: e.g. **BB-AA123456**

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos. 05	A	17	M	Bordereau number	30141234

Description

Characters 1-4: Bordereau header record, specified to freight forwarder by Mercedes-Benz AG.

Characters 5-8: Issued by freight forwarder for each truck/transport unit (generally as a serial number). This is an alphanumeric field. Fill in the field left-justified. As the bordereau number consists of 8 characters, only

Characters 33-40 should be filled-in. The remaining characters should be left empty.

Value: e.g. **30141234**

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos. 07	N1	8	M	Bordereau correction code	1

Description

Code used: **Blank** = no change, **1** = 1st change, **2** = 2nd change, **L** = delete

Record type 753					
Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 06	N	6	M	Target arrival date	091130

Description

Date specified by Mercedes-Benz AG for arrival of the consignment. Format: YYMMDD

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos. 07	N	4	M	Target arrival time	1001

Description

Time slot agreed between the freight forwarder and Mercedes-Benz AG for arrival of the truck at the plant. Format: HHMM. The notified target arrival time must correspond to the time slot number and therefore the start of the time slot.

Example: time slot 10.01–11.01 a.m. = time slot number

Record type 754					
Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 03	A	9	M	Supplier no.	12345678

Description

The ID no. of the **supplier** is assigned by Mercedes-Benz AG. Complete in left-justified format.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 04	N	8	M	Consignment no. I	00296471

Description

This is the reference number assigned by the sender/supplier to the consignment/load. To be filled-in in right-justified format with leading zeroes.

Record type 755					
Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 03			M	Shipment delivery note list	

Description

This table can be used to list up to 15 delivery notes whose content is included in the relevant load. The first field must be completed. All unused fields must have BLANKs.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos. 04	A	8	O	Delivery note no. I	00000001

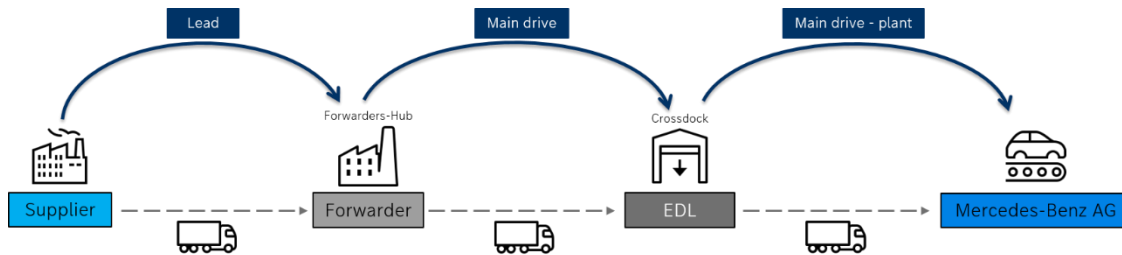
Description

In each of fields 1–15, an 8-character delivery note no. can be entered, right-justified with leading zeroes. Delivery note numbers should be provided in ascending order.

Crossdock delivery

When goods are delivery for a Crossdock plant, VDA 4921 is not transmitted to the goods receiving plant but to the Crossdock operator. Additional fields need to be filled out for this purpose.

Process overview:



Crossdock Vitoria

- Plant 157 Vitoria, Spain
- Crossdock Operator Dischinger
- Data recipient number 12800520H

Address:

Fachspedition Karl Dischinger GmbH
 Calgary Avenue a200
 D-77836 Rheinmünster

Record type	Position	Format	Data element	Input
751	03	9 characters	Data recipient number	The MB ID number of the Crossdock must be entered here "12800520H" → Change of the index!
754	13	1-character, left-justified	Customer plant	The code "X" must be entered left-justified.

Crossdock Kecskemét

- Plant 371 Kecskemét, Hungary
- Crossdock Operator LGI
- Data recipient number 18801787M

Address:

LGI Logistics Group International GmbH
Schickardstr. 27
71034 Böblingen

Record type	Position	Format	Data element	Input
751	03	9 characters	Data recipient number	The MB ID number of the Crossdock must be entered here "18801787M" → Change of the index!
754	13	1-character, left-justified	Customer plant	The code "X" must be entered left-justified.

Crossdock Sebes

- Plant 944 Sebeș, Romania
- Crossdock Operator Große Vehne
- Data recipient number 18802157A

Address:

Große-Vehne Spedition GmbH Stuttgart

Sigelstraße 57

D-70806 Kornwestheim

Record type	Position	Format	Data element	Input
751	03	9 digits	Data recipient number	The MB ID number of the Crossdock must be entered here "18802157A" → Change of the index!
754	13	1-character, left-justified	Customer plant	The code "X" must be entered left-justified.

Crossdock Jawor

- Plant 838 Jawor Poland
- Crossdock Operator LGI
- Data recipient number 18802389A

Address:

LGI Logistics Group International GmbH

Schickardstr. 27

71034 Böblingen

Record type	Position	Format	Data element	Input
751	03	9 digits	Data recipient number	The MB ID number of the Crossdock must be entered here "18802389A" → Change of the index!
754	13	1-character, left-justified	Customer plant	The code "X" must be entered left-justified.

Exchange dropside body concept (Wechselbrückenkonzept)

Record type 752					
Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos: 03	N	2	M	Means of transport code	02

Exchange dropside body concept

Applies only to exchange dropside bodies processed via a TRAILER YARD at the recipient's site:

Enter code **02** (= exchange dropside body) (deviation from VDA specification)

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos. 04	A	25	M	Means of transport number	S-AM 713

Exchange dropside body concept

Applies only to exchange dropside bodies processed via a TRAILER YARD at the recipient's site:

From char. 8: 1. Enter 1st exchange dropside body number

From char. 20: 2. Enter 2nd exchange dropside body number

Record type 754					
Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos. 04	N	8	M	Consignment no.	12345678

Exchange dropside body concept (record type 752, pos. 03 = 02)

Applies only to exchange dropside bodies processed via a TRAILER YARD at the recipient's site:

The same consignment no. (SLBN) may appear in two 754 record types.

Field	Field format	Field length	Optional/mandatory	Designation	Example of an entry
Pos. 07	A	3	M	Consignment code	1

Exchange dropside body concept (record type 752, pos. 03 = 02)

Applies only to exchange dropside bodies processed via a TRAILER YARD at the recipient's site:

Entry is **1** for 1st exchange dropside body

Entry is **2** for 2nd exchange dropside body