

# Mercedes-Benz

## Electronic Data Interchange Manual (EDI)

---

### 16. Transport status messages in accordance with VDA 4945

ALD00001833

#### Contact

Mercedes-Benz AG | Stuttgart, Germany | [www.mercedes-benz.com](http://www.mercedes-benz.com)  
Department SC/WT

 [ibl-support@mercedes-benz.com](mailto:ibl-support@mercedes-benz.com)

 +49 (0)30 / 887 215 588

 Table of contents

- 1. Transport control of trucks in accordance with VDA 4996..... 3
  - 1.1. Communication model for controlling inbound trucks in the vicinity ..... 3
  - 1.2. Brief description of VDA 4996 ..... 3
  - 1.3. Connection via INFORM ..... 5
  - 1.4. Time aspect..... 5
  - 1.5. Notes on record types and data elements..... 5

## Transport control of trucks in accordance with VDA 4996

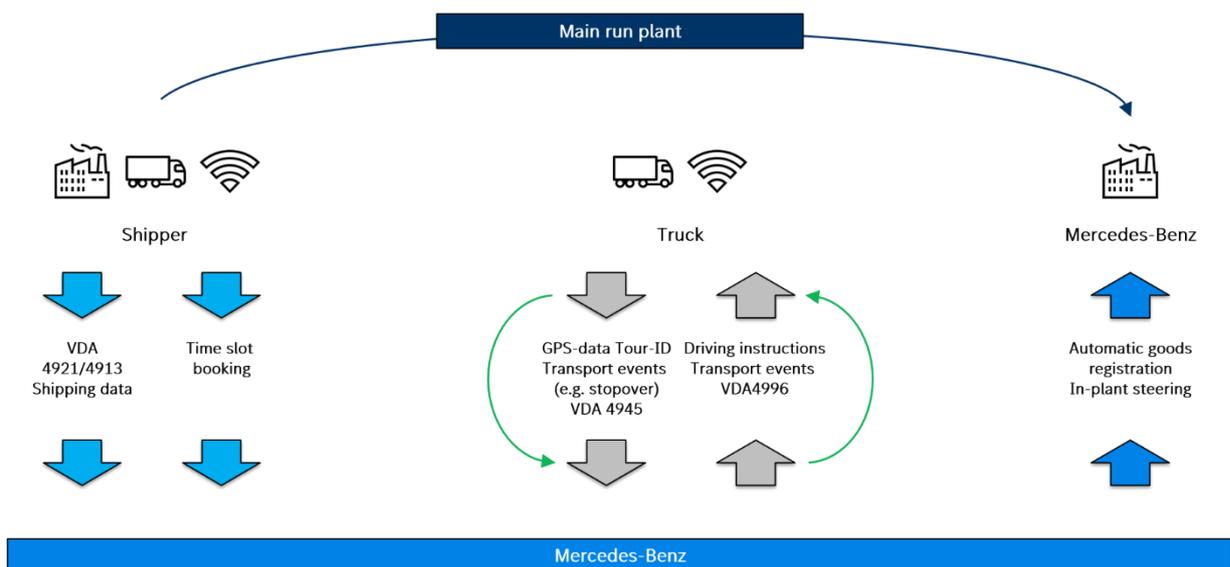
### Communication model for controlling inbound trucks in the vicinity

Freight is an important link in the chain of external material flow. To ensure continuous representation of information, it is essential to involve the freight contractors in the remote data transmission.

With the help of the VDA norm, delivery trucks en route to a Mercedes-Benz AG plant should be able to receive information on the unloading areas to use, as well as the most direct route, without having to make additional contact with the truck coordination control centre.

You can find the format in the VDA 4996 recommendation at <http://www.VDA.de>.

### Brief description of VDA 4996



**Process flow:**

1. The transport service provider (TSP) books a time slot for binding confirmation of the delivery.
2. Before departure, the TSP or supplier transmits the data on the freight order including the bordero number and a reference to the load to be delivered. This can be done via VDA 4921 or 4913 incl. the bordero number.
3. During the journey to the plant, the TSP constantly transmits GPS data with the current ETA and the transport status of the truck (in accordance with VDA Norm 4945, process identification GEO tracking)
4. When the first VDA 4945 notification has been received (transport status departure), a VDA 4996 message is sent to the TSP with the geofence of the first proximity to the plant.
5. The TSP reports that the vicinity of the plant has been reached with a VDA 4945 notification and transport status "Geofence passed".
6. Then a check is carried out in the Mercedes-Benz plant system to ascertain if all data (load +transport data) regarding this load is complete.
  - If data is **incomplete**: a driving instruction is sent via VDA 4996 with the message that the driver must contact the truck control centre.
  - If all data is complete:
    - The truck is given an instruction to drive directly to the unloading area.
    - A second vicinity area is transmitted. The arrival is reported again by the TSP via VDA 4945.
    - When the arrival at the second vicinity area is announced, the truck is included in the control and allotted to its unloading location depending on its time slot. The goods receipt (initial identification) is conducted automatically in the background. Manual processing at the central truck control centre is not necessary.

**Prerequisite:**

- The TSP transmits transport notifications in accordance with VDA 4945 "GEO Tracking" while the truck is approaching
- Transport notification with the bordero number (in accordance with VDA 4921, RDT handbook chapter 12) and/or delivery note with the bordero number (in accordance with VDA 4913, RDT handbook chapter 4 Paragraph 1.10)

## Connection via INFORM

A web service must be provided by the TSP for receipt of the notifications. The notifications are transmitted as XML files. Communication is only via HTTPS. For connection and exchange of the URL / credentials please contact INFORM Support [sysu-central-support@inform-software.com](mailto:sysu-central-support@inform-software.com).

## Time aspect

Notifications are transmitted ad hoc.

## Notes on record types and data elements

More detailed information can be requested from INFORM.