VOLKSWAGEN

AKTIENGESELLSCHAFT

VOLKSWAGEN GROUP

VDA 4994 – GTL 2.0 VW 1.3

User manual

Sieck, Thomas (K-FIML/5)

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VW introduction

This user manual describes the Volkswagen requirements for the Global Transport Label (VDA 4994, ODETTE LL08).

If special requirements apply to Volkswagen, these are described in the corresponding chapters. All other regulations of VDA 4994 in conjunction with VDA 4987 apply for Volkswagen unchanged. The specifications of the Volkswagen Guide to VDA 4987 – Global DESADV apply for formats (numeric, alphanumeric and lengths) and the status (mandatory or optional) for payloads from the GTL.
In general, the VDA standards have been applied with regard to layout, e.g., the font sizes, font and spacing. Goods recipients and goods dispatchers can agree deviations bilaterally if this makes sense or is technically necessary with regards to the process.
The 2D code named in the VDA recommendation is technically the data matrix symbol code as per ISO/IEC specification 16022:2006. For reasons of simplicity, this code will only be referred to as the data matrix or data matrix code in the Volkswagen Guideline.
The Excel spreadsheet in the appendix refers to various VDA EDI message recommendations. Among them is VDA 4987. This was upgraded to the EDIFACT Directory 20B with version 2.5. As a result, segment group numbers have also changed. For example, segment group 10 in directory 07A corresponds to segment group 11 in directory 20B. At Volkswagen, the switch to VDA version 2.5 is planned. Therefore, the information in the table also refers to the VDA versions until further notice, starting with the number 2.5, even if the migration has not yet taken place.

1. Introduction

2. The information on the labels must correspond to the content of the data of VDA 4987. In addition, they must be consistent with the shipment documents according to VDA 4939. Unless expressly stated otherwise, the regulations of the Volkswagen or Porsche Guidline for VDA 4987 apply in case of doubt with regard to the status and format of data.Label functions

The regulations of the VDA recommendation apply.

3. Relationship of shipment and transport

A shipment as defined in the VDA is the scope of goods sent by a goods dispatcher to a recipient plant and delivery point (goods recipient).

4. Size, layout and attachment of the label

4.1 Dimensions

In normal cases, A5 format labels and small load containers are used worldwide.
Exceptions: for deliveries to the Chattanooga plant in the USA, A6 or B10 (AIAG format) labels are to be used.
The use of the new label format for tray and special containers with a low overall height and for which the standard sizes cannot be used is permissible, but must be agreed beforehand with the respective goods recipient.

The MAT label as per VDA 4992 is not in use as a replacement for the GTL at Volkswagen. Therefore the MAT label is not permissible as a replacement for a GTL.

4.2 Data blocks on the labels

The regulations of the VDA recommendation apply.

4.3 Technical requirements

The regulations of the VDA recommendation apply.

4.4 Labels on the handling units

The regulations of the VDA recommendation apply. The attachment of labels to containers is not part of this guideline.

4.5 Labels on small load containers

The regulations of the VDA recommendation apply.

5. Explanation of data blocks

In principle, customer references such as the supplier number must be applied and printed unchanged from the delivery call-off.
Exceptions to this are the specifications of names and addresses. It is not always possible to print these in full due to the limited space on the label. In some cases it makes sense to abbreviate the company name and/or address entries on the printout. Font types and font sizes can differ from the VDA recommendation if necessary. This must be clarified with the recipient.

A1 – Goods dispatchers
The regulations of the VDA recommendation apply.

A2 – Goods recipients
Lines Z1, Z2 and Z4 as well as the post code and town/city of the goods recipient are to be printed. They should be specified in the manner conventional at the location of the recipient. Example for Germany: name, street, country, post code, town/city Example for the USA: name, street, country, town/city, state code, zip code

A3 – Label type and data matrix
The regulations of the VDA recommendation apply.

B1 – Customer reference
The supplier number is to be applied unchanged from the delivery call-off and printed.

B2 – Customer specific routing
The regulations of the VDA recommendation apply. At the time of publication of version 1.2 of the Volkswagen Guideline, this procedure is not used at Volkswagen.

B3 – Logistics reference
Gross weight: unlike as stated in the VDA recommendation, decimal places can be printed according to the value in VDA 4987. Weights of < 1 kg are rounded to the nearest kilogram. The net weight can be omitted. The units of quantity to be used are the codes of the “Form EN” column in *Table 2 – Conversion of the EDIFACT measurement units into ANSI measurement units and abbreviations on the labels* in the VDA recommendation.
Dates are to be given in the following format according to the example in the VDA recommendation: YYYY-MM-DD. Insofar as the specification of times is required, they are to be separated from the date by a slash "/" and printed in a 24-hour format HH:MM (see example in the VDA Guideline).

In addition to this, the regulations of the VDA recommendation apply.

C – Customer’s article number
The article number is to be copied unchanged from the delivery call-offs, including spaces (VW) or dots (Porsche).

D1 – Package ID
The regulations of the VDA recommendation apply.

D2 – Customer reference 2
Parts generation/hardware/software version
In principle, the values from the ASN are to be printed. The values are to be separated by a slash (/).

E1 – Data at the discretion of the supplier (supplier field)

The regulations of the VDA recommendation apply. Deviations from this, such as the continued use of code 93, can be agreed with the goods recipients, but then only apply to this specific individual case.

E2 – Customer reference 3
Currently no customer-specific references are applied as PCI+16 or PCI+3 in the call-offs at Volkswagen. The VDA specification also applies here. If customer-specific references are transferred, they should be printed in field E2.

Table 1 – Field content for the tray label.
In principle, the specifications of the VDA recommendation apply.

Table 2 – Conversion of the EDIFACT measurement units into ANSI measurement units and abbreviations on the labels

Only the measurement units of the “Form EN” column may be used. The “C62” quantity unit for item for the EDI message may not be used in the printout.

6. Identification of the package and handling units

In principle the rules for the creation of the License Plate according to ISO 15934 apply with following restrictions.

As IAC (Issuing Agency Code) UN is to be used exclusively. As CIN (Company Identification Code) only the DUNS number is allowed.
The value from NAD+SF is to be taken as the source for the DUNS number. Volkswagen currently does not distinguish between buyer NAD+SE and ship-from NAD+SF in the call-offs. Both values should therefore be identical in the EDI message VDA 4987 in order not to create a contradiction.The serial number is the value of the first DE 7402 of the GIN segment (package number).

7. Explanations for the barcode, data matrix and optional RFID tag

The regulations of the VDA recommendation apply.

7.1 1D barcode

The new regulations of the VDA recommendation as of version 2.0 apply in terms of module widths and quiet zones .

7.2 Data matrix

7.2.1 Symbol size

The regulations of the VDA recommendation apply.

7.2.2 Character sets

The regulations of the VDA recommendation apply.

7.2.3 Message structure as per ISO 15434

The regulations of the VDA recommendation apply.

7.2.4 Payload for coding in the data matrix code

In principle all payload data listed in Table 5 of the VDA recommendation must be included in the data matrix if they were transmitted in the respective ASN such as VDA 4987.
Expected date of arrival: if DTM+2 (date according to the delivery call-off) and DTM+132 (supplier's estimated date of arrival) has been transmitted in VDA 4987, only the value from DTM+2 is to be coded in the DMC. If only DTM+132 is transmitted, this value is to be copied to the data matrix. For Porsche, DTM+2 must be transmitted and thus coded.

The specifications of VDA 4987 apply for status (required, optional and depending) and formats (numeric, alphanumeric and lengths)..

7.3 Notes on the RFID tag when using smart labels

Currently no smart labels are in use at Volkswagen in the standard delivery process. Regardless of this, the regulations of the VDA recommendation apply for the future use of RFID tags.

7.3.1 Function of passive RFID transponders

The regulations of the VDA recommendation apply.

7.3.2 Radio interface and frequency range

The regulations of the VDA recommendation apply.

7.3.3 Structure and size of the memory areas

The regulations of the VDA recommendation apply.

7.3.4 Coding example as per ISO 17367

The regulations of the VDA recommendation apply.

8. Delivery scenarios and requirements of the label content

Case 3 applies as standard for Volkswagen. This means that the label must be filled completely for the inner packages of a pallet. Cases1 and 2 described in VDA 4994 are, however, permitted if this is agreed with the recipient plant. Batch numbers and expiry dates are to be printed in all cases where they are available.

Special case Volkswagen: omission of documents on the inner packaging

In certain circumstances, the label can be completely omitted on inner packaging of handling units. This situation occurs if the parts are removed automatically in a plant or if the inner packaging consists of trays that are not handled separately in the process. Then only a master document is to be attached to the overall handling unit.

These cases are determined by the recipient plant and agreed bilaterally with the supplier.

9. Label for empty packages

Currently, Volkswagen does not use GTLs for the empty packages process.

10. Appendices

10.1 Appendix 1 – Complete Overview of Data Fields (Excel table)

Goods dispatchers and recipients can bilaterally agree to deviations with regard to the font size if this makes sense for the delivery process and/or is technically necessary. Some content of Appendix 1 – Complete Overview of the Data Fields have been defined more specifically for Volkswagen. For example, some data fields have been marked as “Required” that only had the “Optional” status in the VDA recommendation. This VW specification is also part of the Volkswagen Guideline on VDA 4994 as Appendix 1.

10.2 Appendix 2 – Barcode/DMC Templates

The regulations of the VDA recommendation apply.

10.3 Appendix 3 – Reference Table of German and English Terms

The regulations of the VDA recommendation apply.

11. References

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www.vwgroupsupply.com/

VDA
https://www.vda.de/

ODETTE
Resources | Odette

12. Changelog

Table of contents	Description	Date
	Version: VDA 1.0 - VW 1.1	
6.	**Old** The regulations of the VDA recommendation apply. The packaging item number may be used only once within a calendar year per recipient plant. **New** In principle the rules for the creation of the License Plate according to ISO 15934 apply with following restrictions. As IAC (Issuing Agency Code) UN is to be used exclusively. As CIN (Company Identification Code) only the DUNS number is allowed. If the DUNS no. does not correspond to the DUNS of the seller from NAD+SE, it must be agreed with the receipient plant. The serial number is the value of the first DE 7402 (package number). The serial number may not be repeated until the number range from 000000001 to 999999999 is used.	2017-07-07
	Version: VDA 1.1 - VW 1.2	
5.	Field A2 Old Lines Z1, Z2 and Z3 New Lines Z1, Z2 and **Z4**	
	Version: VDA 2.0 - VW 1.3	
	VW version 1.3 now refers to VDA version 2.0 and contains	

	extensive changes that go beyond the scope of this type of changelog. In order to be able to track the change history, a version in revision mode, from which all changes are transparent, is therefore attached to this file. The most important changes are • The VDA regulations that have been changed from VDA version 1.3 onwards with regard to the module widths also apply. • E1- Only the provisions of the VDA recommendation apply. Code 93 is also no longer permitted. In addition, this guideline now also applies to deliveries to Porsche AG.	
Attachment	Various clarifications and bug fixes in the matrix. Segment group numbers changed in relation to the EDIFACT Directory 20B of VDA 4987.	