

VOLKSWAGEN GROUP

# VDA 4939 Shipment Document V.3.6 - VW 1.4

---

## User Manual

Volkswagen AG, KL-MD

11.06.2024



# VOLKSWAGEN GROUP

<b>1. BRIEF DESCRIPTION OF DOCUMENT</b> .....	<b>3</b>
1.1 Aims .....	3
1.2 Fundamental principles and definitions .....	3
<b>2. DOCUMENT AND INFORMATION FLOW IN THE DELIVERY PROCESS</b> .....	<b>3</b>
2.1.2 Creation of the document and document format .....	4
2.1.3 Creation of the document and document format .....	4
<b>2.2 Interaction of EDI and documents</b> .....	<b>4</b>
2.2.1 Shipment Document.....	4
<b>2.3 Document/information flow</b> .....	<b>4</b>
<b>2.4 Creating and scanning the 2D-code</b> .....	<b>4</b>
<b>3. DOCUMENT DESIGN AND STRUCTURE</b> .....	<b>4</b>
<b>3.1 Document concept and layout</b> .....	<b>4</b>
3.1.1 General requirements for the form .....	4
3.1.2 Use of data blocks .....	5
<b>3.2 Shipmentmaster</b> .....	<b>5</b>
3.2.1 Shipment of materials (delivery schedule and JIT processes).....	5
3.2.2 Shipments of materials (JIS processes).....	6
3.2.3 Empty packaging process.....	6
<b>3.3 Shipment items</b> .....	<b>6</b>
<b>3.4 Shipment document line item sheet – JIS-deliveries</b> .....	<b>8</b>
<b>3.5 2D-code sheet</b> .....	<b>8</b>
<b>3.6 List of loading units</b> .....	<b>8</b>
<b>3.7 Content and structure of the data fields</b> .....	<b>9</b>
3.7.1 Supplementary sheet Lamborghini / <i>Scheda supplementare Lamborghini</i> .....	18
<b>4. 2D CODE CREATION</b> .....	<b>21</b>
<b>4.1 Structure of the 2D code</b> .....	<b>21</b>
4.1.1 Symbol counter.....	21
<b>4.2 Segmentation of data information in the 2D code</b> .....	<b>21</b>
4.2.1 Procedure for segmenting the Data Matrix code content into higher and lower levels .....	21
4.2.2 Data identifier 'F' for the hierarchical structure .....	21
<b>4.3 Message structure according to ISO 15434</b> .....	<b>21</b>
4.3.1 Payload for coding in the data matrix .....	22
4.3.2 Generating a data string as per ISO/ICE 15434 for coding in the data matrix .....	22
4.3.3 DMC Shipment Master .....	22
<b>5. REFERENCES</b> .....	<b>22</b>

# VOLKSWAGEN GROUP

---

<b>6. APPENDICES.....</b>	<b>23</b>
<b>7. CHANGELOG.....</b>	<b>23</b>

# VOLKSWAGEN GROUP

---

## Introduction

This user manual supplements VDA recommendation VDA 4939 from Version 3.6 in describing the special requirements and regulations of the Volkswagen Group. The chapters of the manual correspond to the chapters of the VDA recommendation. In general, the VDA standards have been applied with regard to layout, e.g., the font sizes, font type and spacing in the sheet format. Goods recipients and goods dispatchers can agree deviations bilaterally if this makes sense or is technically necessary with regards to the process. Regulations that deviate from the VDA recommendation and this Volkswagen guideline must always be approved by the goods recipient. In general, the size (data field length) and formats (numeric or alphanumeric) of the data must be copied unchanged from the delivery call-off to the label and the data matrix code. Important: The specification regarding the presentation of the packaging items on the Shipment bill in chapter 3.3 must be observed!

## 1. Brief description of document

The VDA recommendation applies.

### 1.1 Aims

The VDA recommendation applies.

### 1.2 Fundamental principles and definitions

As specified in the VDA recommendation, the legal requirements of German and European law have been taken into consideration. Any nationally applicable regulations have priority over the regulations for the shipment documents. In this case, the documents required on a national level and the shipment documents must be handed to the carrying agency driver so that a simple and standardised goods receipt check can be conducted. The shipment documents can be omitted in this case if the goods recipient agrees to this.

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

## 2. Document and information flow in the delivery process

Assignment of Document The VDA recommendation applies.

### 2.1.1.1 Document typesMaterial Process

The VDA recommendation applies.

### 2.1.1.2 Empties Process

The VDA recommendation applies.

# VOLKSWAGEN GROUP

---

## **2.1.2 Creation of the document and document format**

Das Standard-Papierformat ist A4. Die Verwendung des Formats Letter kann jedoch vom Warenempfänger gefordert werden.

In addition the VDA recommendation applies

## **2.1.3 Creation of the document and document format**

The VDA recommendation applies.

## **2.2 Interaction of EDI and documents**

The information on the shipment documents must correspond to the content of the associated VDA 4987. In case of doubt, detailed regulations on the mandatory and optional information are specified in the VDA 4987 guideline and therefore also apply indirectly to the printout on the shipment documents.

### **2.2.1 Shipment Document**

The VDA recommendation applies.

## **2.3 Document/information flow**

In addition to the determinations of the VDA recommendation, the regulations of the “General Shipping Regulation” of the goods recipient must be observed where available. If there is no separate shipping regulation available for the goods recipient, the regulations of the VDA recommendation generally apply. Goods recipients and goods issuers can agree deviations to this bilaterally.

## **2.4 Creating and scanning the 2D-code**

The VDA recommendation applies.

## **3. Document design and structure**

### **3.1 Document concept and layout**

#### **3.1.1 General requirements for the form**

The stipulations of the VDA recommendation apply. Goods recipients and goods dispatchers can agree deviations to this bilaterally.

##### **3.1.1.1 Use of fonts**

The stipulations of the VDA recommendation apply. Goods recipients and goods dispatchers can agree deviations to this bilaterally.

# VOLKSWAGEN GROUP

---

## **3.1.1.2 Use of character sets**

The VDA recommendation applies.

## **3.1.1.3 Numerical formats**

In general, the rules of the VDA recommendation apply.

Quantity units for which decimal places make no sense such as “items” should be specified as integers. Decimal figures for the “item” or “set” unit of quantity are permissible, but should be avoided.

A full stop or a comma can be used as the decimal separator. The creator of the label can select which. Separators for thousands are not used in general.

## **3.1.2 Use of data blocks**

The VDA recommendation applies.

## **3.2 Shipmentmaster**

In general, all relevant address and weight data is to be printed. The addresses must be given in the usual local manner, e.g. in Germany in the order name, street, zip code, city, country. A detailed overview can be found in the data matrix in section 3.7

### **3.2.1 Shipment of materials (delivery schedule and JIT processes)**

Block A – header data

In a deviation from the VDA regulations, the complete address data of the supplier and the customer are permissible.

Block B – address and reference data of the partners involved

The VDA recommendation applies. The data of the ultimate customer must be entered for the delivery of the Genuine Parts Direct Delivery Process (VAB-DPP process ID).

Block C – additional information on the shipment

The VDA recommendation applies.

Block D – list of loading units in the shipment

The VDA recommendation applies. Gross, net and tare weights should be specified completely with decimal places to avoid inconsistencies.

Block E – comments

The VDA recommendation applies.

Block F – hazardous goods specifications

The VDA recommendation applies.

Block G

# VOLKSWAGEN GROUP

---

The VDA recommendation applies.

Block H – Acknowledgement information

In normal cases, the stipulations of the VDA recommendation apply, in cases of doubt the stipulations of the goods recipient's respective shipping regulation apply

Page layout

The VDA recommendation applies.

### **3.2.2 Shipments of materials (JIS processes)**

The VDA recommendation applies.

### **3.2.3 Empty packaging process**

The VDA recommendation applies.

## **3.3 Shipment items**

Block A – Header data

The VDA recommendation applies.

Block B – Line item data

The VDA recommendation applies.

Zeile A – Article data

The VDA recommendation applies.

Zeile B – Other references

The following specifications are mandatory if they are also present in the ASN. The name should always precede the reference with a colon.

# VOLKSWAGEN GROUP

Example

„Expiry date: 2016-08-16“

Reference	
Expiry Date	
Parts generation status	
Software Version	
Hardware Version	
Batch number	
LHM-number	Only applies to GIN+BU & BGM 1000 = VAB-DDP Genuine Parts special process (dropshipment call off) process indicator VAB DDP
Wholsaler order number	
Individual order number	
Depot order number	
Invoice number	
Manifest number	Only applis to call off process indicater VAB-CHA & GIN+BU

Line C – Packacking information

All similar loading units<sup>1</sup> must be aggregated and printed together as one packaging item as in the example below:Example

Three loading units of the same type, each with one VW0012 pallet, fifteen 006428 small load containers and one 001210 lid. Each small load container contains 10 parts. Target display on the shipment document:

	<i>450 PC</i>
3 x VW0012	
3 x 001210	
45 x 006428	<i>10 PC</i>

The following display **is not permitted**

	<i>450 PC</i>
<i>1 x VW0012</i>	
<i>1 x 001210</i>	
<i>15 x 006428</i>	<i>10 PC</i>
<i>1 x VW0012</i>	
<i>1 x 001210</i>	
<i>15 x 006428</i>	<i>10 PC</i>
<i>1 x VW0012</i>	
<i>1 x 001210</i>	
<i>15 x 006428</i>	<i>10 PC</i>

---

Similar within the meaning of VDA 4987

‘If packaging materials have the same properties (same type of packaging material, same auxiliary packaging material, same filling quantity, same part number, same batch/expiry date), then they should be summarised (see examples of packaging materials).’



# VOLKSWAGEN GROUP

The VDA specifications on grouping rules are generally applicable.

If the delivery quantity of a delivery note/delivery note item is distributed over several loading units, the total quantity should be stated once. Each partial quantity of this previous delivery note/delivery note item must be indicated with the note "Partial quantity" in the "Delivery quantity unit of quantity" column in the item number information. The partial quantity is not to be specified. (Line A)

## Notes on using the TSB Generator from Version 5.0

### VDA 4987 and packaging structure

If the TSB Generator is used to create the shipment document, the packaging structure of the VDA 4987 EDI message must fulfil the requirements named above so that the program can create the item sheet according to the requirements of this manual.

### Other data fields

In principle, the VDA 4987 must contain ALL of the data for the label. These data include the complete addresses and weights. Address specifications should correspond to the specifications in the VDA 4984 delivery call-off. If these are not correct in exceptional circumstances such as the incomplete or incorrect address of the goods dispatcher, you can use your own master data. For details, see: 3.7

## 3.4 Shipment document line item sheet – JIS-deliveries

For JIS deliveries, the use of shipment documents including the JIS item sheets can be agreed with a recipient plant. At the time of publication of Guideline version 1.3, this is only provided for deliveries to the Lamborghini plant in Sant'Agata.

Apart from a few deviations, the structure of the JIS consignment sheet is basically based on the specifications of the VDA recommendation from version 3.3.

## 3.5 2D-code sheet

It is mandatory to always create the 2D code sheet and to hand it over to the driver of the carrier.

## 3.6 List of loading units

The VDA recommendation applies.

The list of loading units can be printed at the request of the carrier picking up the shipment to conduct a manual check of the loading units. It serves solely as a replacement medium if the data of the data matrix cannot be read by the scanner. This list is not to be forwarded to the goods recipient and remains with the carrier..

# VOLKSWAGEN GROUP

## 3.7 Content and structure of the data fields

In principle, all data labelled as 'Required' must be printed if the respective case applies.

The data must correspond to the content of the associated VDA 4987 Despatch Advice. Please note that the information on the EDI source is based on the currently published version of the VDA 4987 Despatch Advice. If you are using older versions, these must be updated promptly.

With regard to the interaction between VDA4987 Despatch Advice and VDA 4939 - Shipment Documents, a distinction must be made between two cases

1. The shipment documents are generated by the goods supplier's system:
  - ➔ The mandatory and optional information of the VDA 4987 Despatch Advice is derived from the corresponding EDI guideline.
  
2. The shipment documents are generated from the VDA4987 Despatch Advice by using the Volkswagen TSB generator:
 

ALL fields marked as 'Required' in the following table must be transferred, even if they only have the status 'Optional' in the VDA 4987 guideline. The TSB generator takes all the data required for printing from VDA 4987, for example: Address data and weights. The message formats VDA 4913 and DESADV 98A are no longer accepted and therefore cannot be used to generate the currently valid shipment document with the TSB generator!

Content	EDI source	Status (R = required, O = optional, D = depending)	VW comment	VDA comment	Block/ line
<b>Shipment document – master sheet</b>					
<b>Block A</b>					
Customer name	SG2 NAD+BY DE 3036	R			Block A
Customer location	SG2 NAD+BY DE 3164	R			Block A

# VOLKSWAGEN GROUP

Supplier name	SG2 NAD+SE DE 3036	R			Block A
Supplier location	SG2 NAD+SE DE 3164	R			Block A
Supplier number	SG2 NAD+SE DE3039	R			Block A
Document date	DTM+11 DE 2380	R		CCYY-MM-DD or DD.MM.CCYY	Block A
Shipment number	SG1 RFF+CRN	R			Block A
<b>Block B</b>					
<b>Goods shipper – Ship-from(SF)</b>	SG2 NAD+SF DE 3036	R			Block B
SF name 2	SG2 NAD+SF DE 3036	O			Block B
SF street	SG2 NAD+SF DE 3042	R			Block B
SF country	SG2 NAD+SF DE 3207	R	ISO sufficient		Block B
SF post code	SG2 NAD+SF DE 3251	R			Block B
SF location	SG2 NAD+SF DE 3164	R			Block B
SF supplier number	SG2 NAD+SF DE 3039	R			Block B
SF DUNS number	SG2 NAD+SF/RFF+ANK DE 1154	R			Block B
Loading point ID	SG2 NAD+SF/LOC+9 DE 3225	O			Block B
SF VAT ID	SG2 NAD+SF/RFF+VA DE 1154	O	If this is legally required, this is a mandatory entry		Block B
<b>Goods receiver – Ship-to (ST) name</b>	SG2 NAD+ST DE 3036	R			Block B
ST name 2	SG2 NAD+ST DE 3036	O	The specifications for the goods recipient must be taken from SG2 NAD+UD End Customer for		Block B

# VOLKSWAGEN GROUP

			deliveries that fall under the scope of GP Direct Delivery Process (BGM = VAB-DDP).	
ST street	SG2 NAD+ST DE 3042	R		Block B
ST country	SG2 NAD+ST DE 3207	R	ISO sufficient	Block B
ST post code	SG2 NAD+ST DE 3251	R		Block B
ST location	SG2 NAD+ST DE 3164	R		Block B
ST ID (Plant number)	SG2 NAD+ST DE 3039	R	The value from the DELJIT CALDEL NAD+CN or should be applied for GP Direct Delivery Process shipments (BGM 1000 = VAB-DDP)	Block B
ST DUNS number	SG2 NAD+ST/RFF+ANK DE 1154	O	GP drop: DUNS number of the end customer must only be specified if it is available	Block B
Point of discharge (VW = Place of delivery)	SG2 NAD+ST/LOC+11 DE 3225	R		Block B
<b>Name of forwarder (FW)</b>	SG2 NAD+FW DE 3036	R		Block B
FW name 2	SG2 NAD+FW DE 3036	O		Block B
FW street	SG2 NAD+FW DE 3042	R		Block B
FW country	SG2 NAD+FW DE 3207	R	ISO sufficient	Block B
FW post code	SG2 NAD+FW DE 3251	R		Block B
FW location	SG2 NAD+FW DE 3164	R		Block B
FW ID	SG2 NAD+FW DE 3039	R		Block B

# VOLKSWAGEN GROUP

FW DUNS number	SG2 NAD+FW/RFF+ANK DE 1154	O			Block B
<b>Block C</b>					
Shipment date and time	DTM+11 DE 2380	R		CCYY-MM-DD, HH:MM Time is optional	Block C
Shipment type (name)	SG6/TDT DE 8067 + name	R		Not the code, but the name of the code is to be printed	Block C
Process indicators	BGM DE 1000	R			Block C
Milkrun/VAB number	SG1/RFF+AAN/AVU DE 1154	D	Mandatory specification for deliveries made under the scope of the new logistics concept (NLK) (process ID VAV-NLK).		Block C
Transport number	SG6 TDT DE 8028 or SG1 RFF+AAO DE 1154	D	Mandatory specification for deliveries made under the scope of the new logistics concept (NLK) (process ID VAV-NLK).		Block C
Delivery Date requested	DTM+2 DE 2380	R		Source DTM+2 or DTM+132	Block C
Alternatively	DTM+132 DE 2380 (LAB)	R	This value should be applied if DTM+132 is sent in the VDA 4987.	DTM+132 is calculated = shipping date + transport time (from the master data for the relation)	Block C
Transport means ID	SG6/TDT DE 8213	O			Block C
INCOTERM	SG5/TOD DE 4053 + LOC+1 DE 3225	R			Block C
<b>Block D</b>					
Customer packaging type	SG12/PAC DE 7065	R			Block D
LU Loading unit	SG11 CPS+++3 or CPS+++4	R		Loading units are to be indicated with an X.	Block D
Number (packages)	SG12/PAC DE 7224	R			Block D

# VOLKSWAGEN GROUP

Gross weight in kg (loading units)	SG17/MEA+AAZ+AAB DE 6314	R	See also <a href="#">Table 1</a>	Decimal separator optional	Block D
Gross weight in kg (simplified loading units)	SG12/MEA+AAY+G DE 6314	R	See also <a href="#">Table 1</a>	Decimal separator optional	Block D
Tare weight in kg (loading units)	SG17/MEA+AAZ+T DE 6314	R	See also <a href="#">Table 1</a>	Decimal separator optional	
Tare weight in kg (simplified loading units or inner packaging)	SG12/MEA+AAY+T DE 6314	R	See also <a href="#">Table 1</a>	Decimal separator optional	
Net weight in kg (simplified loading units or inner packaging incl. COPACK)	SG12/MEA+AAY+AAL DE 6314	R	See also <a href="#">Table 1</a>	Decimal separator optional	
Tare weight in kg Auxiliary packaging (PAC with code 37)	SG12/MEA+AAY+T DE 6314	R	See also <a href="#">Table 1</a>	Decimal separator optional	
Loading units stacking factor	SG12/QTY+171 DE 6060	R			Block D
Delivery note number	SG20/RFF+AAU DE 1154	R			Block D
Total number of loading units	MEA+AAE DE 6314	R			Block D
Total gross weight	MEA+AAX+AAD DE 6314	R		Decimal separator optional	Block D
Total tare weight	MEA+AAX+T DE 6314	R		Decimal separator optional	Block D
Total net weight	MEA+AAX+AAL DE 6314	R		Decimal separator optional	Block D
<b>Block F</b>					
Dangerous goods remarks	SG21/DGS DE 7124 + FTX+AAD	D	Mandatory entry, if applicable		Block F

# VOLKSWAGEN GROUP

Shipment item sheet					
Line A					
Delivery note number	SG20/RFF+AAU DE 1154	R			Line A
Delivery note item number	SG20/RFF+AAU DE 1156	R			Line A
Customer article number	SG19/LIN DE 7140	R			Line A
Designation	SG19/IMD DE 7008	R			Line A
Delivery quantity	SG19/QTY+12 DE 6060	R			Line A
Quantity unit	SG19/QTY+12 DE 6411	O	Only the measurement units of the "Form EN" column should be used. In general, all measurement units of Table 2 of the VDA recommendation are permissible. The "C62" quantity unit for item for the EDI message may not be used		Line A
Construction status VW = parts generation status	SG19 PIA DE 7140	O	The parts generation status, software version and hardware version must be printed if available		Line A
Use (name)	SG19/IMD DE 7009	R		11 = series, 12 = replacement part	Line A
Order number	SG19/RFF+ON DE 1154	R			Line A
Warehouse location (Unloading point) <sup>2</sup>	SG22/ LOC+7 DE 3225	R			Line A

# VOLKSWAGEN GROUP

Place of use	SG22/LOC+159 DE 3225	O	Mandatory entry, if available		Line A
<b>Other references</b>				To be printed with field labels in each case	
Line B					
Batch number	SG15/GIR+1	O	Mandatory entry, if available	Batch number: + value from GIR+1, batch no.: ...	Line B
Production date	SG15/DTM+94	O		Production date: + value from SG15(2) DTM+94, production date: ...	Line B
Expiry date	SG15/DTM+36	O	Mandatory entry, if available	Expiry date: +value from SG15(2) DTM+36, expiry date: ...	Line B
Wholesaler order number	SG20/RFF+UC	D		Must be printed with process ID in BGM 1000 = VAB-DDP.	Line B
Individual order number	SG20/RFF+COF	D		Must be printed with process ID in BGM 1000 = VAB-DDP.	Line B
Depot job number	SG20/RFF+AAA	D		Must be printed with process ID in BGM 1000 = VAB-DDP.	Line B
Invoice number	SG20/RFF+IV	O			Line B
Line C					
Number of packages (qty.)	SG12/PAC DE 7224	R			Line C

Display of the units of measure: The regulations of the VDA recommendation apply. In case of doubt, only the units of measure in the "Form EN" column should be used.

Transport master sheet

Necessary weight specifications for the transport master sheet

Packaging type and level	Gross	Net	Tare
--------------------------	-------	-----	------



# VOLKSWAGEN GROUP

Simplified handling unit	R	R	R
Loading unit	R	–	R
Intermediate level (CPS+++2)	–	–	R
Inner packaging	–	R	R
COPACK (special inner packaging)	–	R	–
Auxiliary packaging	–	–	R

**Table 1**

Packaging material with the same properties and the same packaging level should be shown together.

## JIS Item sheet / Scheda JIS

The JIS item sheet must be included with all JIS deliveries where it is requested by the ship-to party. At the time of publication of version 1.3 of this Guideline, this obligation only applies to deliveries to Lamborghini.

Essentially, the specifications of the VDA recommendation apply with the following additions and regulations.

*Il foglio degli articoli JIS deve essere incluso in tutte le consegne JIS in cui viene richiesto. Al momento della pubblicazione della versione 1.3 delle presenti Linee Guida, questo obbligo si applica solo alle consegne a Lamborghini.*

*Le specifiche della raccomandazione VDA si applicano con le seguenti integrazioni e regolamentazioni.*

Content	EDI Source	Status	Line	Comment VW
Data Identifier	SG14.PCI+17.DE7511	R	A	
License Plate	SG16.GIN+ML.DE7402#2 SG16.GIN+BU.DE7402#1	R	A	The data source (ML or BU) is determined by the respective plant. At the time of release of version 1.3 of this guideline, only the regular License Plate from GIN+ML is used.

# VOLKSWAGEN GROUP

				<i>La fonte dei dati (ML o BU) è determinata dal rispettivo impianto. Al momento del rilascio della versione 1.3 di questa linea guida, viene utilizzata solo la normale Targa di licenza di GIN+ML.</i>
Packaging type	SG12.PAC.DE7065		A	
<i>Tipo di contenitore</i>				
Production number	SG15.GIR+4 ...AN	R	B	Corresponds to "Kennnummer".
<i>Commessa</i>				<i>Corrisponde a "Kennnummer"</i>
Call-off group	SG15.GIR+4 ...XA	D	B	Teilartgruppe, TAG. If a TAG „XXXX“ is transmitted in the JIS call-off, the "Supplementary sheet Lamborghini" is to be included with the shipment.
TAG				<i>Call-off group, TAG. Se nella chiamata JIS viene trasmesso il TAG "XXXX", il "Foglio supplementare Lamborghini" deve essere incluso nella spedizione.</i>
Assembly line	SG15.GIR+4 ...XN	D	B	The assembly line must always be printed. For special processes, such as subsequent deliveries, the point of consumption must be printed instead.
<i>Linea di montaggio</i>				<i>La linea di montaggio deve essere sempre stampata. Per processi speciali, come le consegne successive, il punto di consumo deve essere stampato.</i>
Consumption point	SG22.LOC+159.DE3225	D	B	The point of consumption must only be specified for special processes, such as subsequent deliveries, if the assembly line is unknown.
<i>Punto di utilizzo</i>				<i>Il punto di consumo deve essere specificato solo per processi speciali, come le consegne successive, se la catena di montaggio non è nota.</i>
Compartment number	SG16.GIN+AO.DE7402	D	B	The compartment number must be indicated if the container is an indivisible container with compartments.
<i>Numero della scatola</i>				Il numero dello scomparto deve essere indicato se il contenitore è un contenitore indivisibile con scomparti.
Inner JIS label number	SG16.GIN+ML.DE7402#2	R	B	See License Plate
				<i>Vedi License Plate</i>

# VOLKSWAGEN GROUP

<i>numero interno dell'etichetta JIS</i>				
Delivery note number <i>Numero della bolla di consegna</i>	SG20.RFF+AAU.DE1154	R	B	Only one delivery note number is to be used per loading unit with all modules.  <i>Per ogni unità di carico deve essere utilizzato un solo numero di bolla di consegna per tutti i moduli.</i>
Sequence number <i>Numero di sequenza</i>	SG15.GIR+4 ...XO	R	B	If no sequence number is known, e.g. for subsequent deliveries, the value "0000" is to be printed as a placeholder.  <i>Se non è noto alcun numero <del>progressivo</del>-di sequenza, ad es. per le consegne successive, come segnato deve essere sempre stampato il valore "0000".</i>
JIS-Info	SG15.GIR+4.DE7402#1:XQ	D	B	If applicable, the content from 7402#1 must be printed. Example REORDER  <i>Se applicabile, il contenuto di 7402#1 deve essere stampato. Esempio REORDER</i>

### 3.7.1 Supplementary sheet Lamborghini / *Scheda supplementare Lamborghini*

Deviating from the standard item sheet, an additional item sheet can be agreed for deliveries to Lamborghini, which also includes the part numbers of the JIS modules.

Font size and type are to be selected according to the standard item sheet VDA 4939

Paper size: portrait

*In deroga al foglio di posizione standard, è possibile concordare un ulteriore foglio di posizione per le consegne a Lamborghini, che comprende anche i codici dei moduli JIS.*

*La dimensione e il tipo di carattere sono definiti in base al foglio degli articoli standard*

# VOLKSWAGEN GROUP

Formato carta: verticale, verticale

Inhalt	EDI Quelle	Status	Spalte	Kommentar VW
Produktionsnummer  <i>No. commessa</i>	SG15.GIR+4 ...AN	R	A	Corresponds to "Kennnummer".  <i>Corrisponde a "Kennnummer"</i>
Abrufgruppe TAG	SG15.GIR+4 ...XA	R	B	
Sachnummer <i>codici</i>	SG19.LIN.DE7140	R	C	
Anzahl Sachnummern je Modul  <i>Quantità di codici per modulo</i>	SG19.QTY+11.DE6060	R	D	For the process identifiers "JIS-IST" and "PRO-NR" (BGM DE 1000), the number of part numbers assembled in a specific module must be specified here.  <i>Per gli identificatori di processo "JIS-IST" e "PRO-NR" (BGM DE 1000) è necessario specificare qui il numero di codice installato in un modulo specifico.</i>
Sequenznummer  No. di sequenza	SG15.GIR+4 ...XO	R	E	If no sequence number is known, e.g. for subsequent deliveries, the value "0000" is to be printed as a placeholder.  <i>Se non è noto alcun numero progressivo, ad es. per le consegne successive, come segnaposto deve essere sempre stampato il valore "0000".</i>
Lieferscheinnummer  No. di bolla	SG20.RFF+AAU.DE1154	R	F	Only one delivery note number is to be used per loading unit with all modules.  Per ogni unità di carico deve essere utilizzato un solo numero di bolla di consegna.



# VOLKSWAGEN GROUP

Production number	Call-off group TAG	Part Number	Quantity p/Module	Sequence no.	Delivery note no.
11201820246118	ABCD	PN1	1	701	334456
		PN2	2		
		PN3	1		
		PN4	1		
		PN5	1		
		PN6	1		
11201820246130	DDDD	PN222	1	702	334456
11201820245144	ABCD	PN1	1	703	334456
		PN2	2		
11201820245143	DDDD	PN4	1	704	334456
11201820245145	ABCD	PN1	1	705	334457
11201820245145	ABCD	PN2	2	705	334457
11201820245147	DDDD	PN4	1	706	334457

## **4. 2D code creation**

The VDA recommendation applies.

### **4.1 Structure of the 2D code**

The VDA recommendation applies.

#### **4.1.1 Symbol counter**

The VDA recommendation applies.

### **4.2 Segmentation of data information in the 2D code**

The VDA recommendation applies.

#### **4.2.1 Procedure for segmenting the Data Matrix code content into higher and lower levels**

The VDA recommendation applies.

#### **4.2.2 Data identifier 'F' for the hierarchical structure**

The VDA recommendation applies.

### **4.3 Message structure according to ISO 15434**

The VDA recommendation applies.

# VOLKSWAGEN GROUP

## 4.3.1 Payload for coding in the data matrix

The specifications of Table 3 of the VDA recommendation apply with the following additions.

Reference data	Source in DESADV	DI	Status	Remark	Example data
Goods dispatcher DUNS (or Odette) number	NAD+SF/RFF+ANK DE 1154	13 V	R	The ID that was used to create the license plate is to be transmitted	(13 V)123456789
Milkrun/VAB number	SG1/RFF+AAN	5K	D	Mandatory for NLK processes (source NLK shipping call-off, process IDs VAB-NLK and VAB-CHA)	(5K)12345600
Transport reference number	RFF+AAO DE 1154	5K (only RFF+AAO)	D	Mandatory for NLK processes (source NLK shipping call-off, process IDs VAB-NLK and VAB-CHA)	(5K) 1234567890123
Shipment delivery schedule incl. time	DTM+2 DE 2380 or DTM+132 DE 2380	8D..002	R	YYYYMMDDHHMM Without conversion to UTC. The time can be omitted if it is not known.	(8D)201501200845002
Place of discharge	LOC+11		R	VW required according to VDA	

Key:

R = required, mandatory field, must always be present

D = depending, the value must be present depending on the process.

O = optional, optional field. The value must be printed if it is required by the goods recipient and is contained in the ASN, such as the batch number.

## 4.3.2 Generating a data string as per ISO/ICE 15434 for coding in the data matrix

The VDA recommendation applies.

### 4.3.2.1 Example for generating the data matrix symbols

The VDA recommendation applies.

## 4.3.3 DMC Shipment Master

The VDA recommendation applies.

## 5. References

Volkswagen

[Electronic data interchange \(EDI\) \(vwgroupsupply.com\)](http://vwgroupsupply.com)

# VOLKSWAGEN GROUP

VDA

[German Association of the Automotive Industry | VDA](#)

Odette

<http://www.odette.org/publications>

## 6. Appendices

See VDA recommendation

## 7. Changelog

Table of contents	Description	Date
<b>Version: VDA 3.1 - VW 1.0.1</b>		
3.3	Error in example corrected	2016-10-07
3.7	Block D, stacking factor: status O > R	2016-10-07
3.7	Block F, designation: status O > R	2016-10-07
3.7	Other references: Batch number: status R > D Expiry date: status O > D	2016-10-07
3.7	Block C, Means of transport ID: Status O >R	2016-10-07
3.7	Block F, Unit of measurement: Status O > R	2016-10-07
3.7	Construction status: Status O >R Comment new The part generation status, software status and hardware status are to be printed if in ASN transmitted	2016-10-07
4.2.1	Milkrun/VAB number Source in DESADV: AVU deleted Remark changed  Transport reference number Source in DESADV: TDT deleted  Shipment delivery schedule Source in DESADV: DTM+132 supplemented	2016-10-07
<b>Version: VDA 3.1 - VW 1.0.2</b>		
3.3	Error in example corrected	2016-12-19
<b>Version: VDA 3.1 - VW 1.0.3</b>		
3.3	Example for unpermissible Display of loading units on the line items sheet corrected  WAS 5 x VW0012 5 x 001210  NEW 1 x VW0012	2017-02-10



# VOLKSWAGEN GROUP

	1 x 001210	
<b>Version: VDA 3.1 - VW 1.1</b>		
Introduction	Introduction amended Important: <i>Important: The specification regarding the presentation of the packaging items on the Shipment bill in chapter 3.3 must be observed!</i>	2017-10-16
3.3	Line C Packaging information Text changes: The formulation regarding the presentation of similar loading units has been refinded.	
3.7	Ship-to ID Status: O ==> R	2017-10-16
3.7	Shipment maste bill Block B Ship-to party Old = ST ID New = ST ID (Plant number)  Old: Unloading point ID EDI source: SG2 NAD+ST/LOC+11 DE 3225 New: Unloading point ID (VW = Point of discharge) EDI source: SG2 LOC+7 DE 3295 <sup>1</sup> At VOLKSWAGEN the actual Unloading Point (VW = Point of Discharge) is transmitted deviant to the standard in segment LOC+7  Shipment item page Alt: Warehouse EDI source: SG2/NAD+ST LOC+7 DE 3225 Neu: Warehouse (unloading point) <sup>2</sup> EDI-Quelle: SG20/NAD+ST LOC+7 11 DE 3225 <sup>2</sup> At VOLKSWAGEN the field Unloading Point may have a different meaning deviant to the VDA standard. In a normal case it is an additional information belonging to the Point of Discharge in LOC+7	2017-10-16
3.7	Text changes <del>Showing the packaging structure in the same way as on the shipment item sheet is not necessary.</del> Packaging material with the same properties and the same packaging level should be shown together.	
	Loading point ID Ship-from Status R → O	2018-07-25
<b>Version: VDA 3.2 - VW 1.2</b>		
2.2	Reference to VDA 4913 and DESADV 98A deleted. Regulations in connection with VDA 4987 have been specified.	2019-07-19
3.7	Loading point ID: R → O Loading point text: Deleted Unloading point alternative: Deleted Unloading point text: Deleted Unloading point alternative: Deleted Warehouse loacation: Status R added Warehouse alternative: Gelöscht Batch number: R → O Shelf life: Deleted Expiry date: D → O	
<b>Version: VDA 3.3 – VW 1.3</b>		
3.7	Shipment document line item sheet –JIS deliveries added	2020-07-20
3.7.1	Lamborghini – Supplementary sheet added	2020-07-20
<b>Version: VDA 3.6 - VW 1.4</b>		
3.7	Contents and structure of the data fields. Update of the EDI source column on segment group designation according to the directory version D.20B.	2024-06-15

# VOLKSWAGEN GROUP

	Note the current version of the TSB Generators also supports VDA 4987 input files based on Directory Version D.07A so far	
4.3.1	New: Addition of the gross weight of the shipment to the Data Matrix on the 2D code sheet	2024-06-15
4.3.3	New: Data Matrix Code (DMC) auf dem Masterblatt	2024-06-15