Change Management EDI 2023!

VDA 4933 T1 Transport Order VDA 4987 Despatch Advice

Center for Digital Collaboration

PUBLIC

Motivation for the changes!

Why do we do this?

Why are changes in the messages necessary??

Standardization

- The definition and introduction of international standards by UN-CEFACT, Odette and VDA has created a common basis for digital communication.

- The target of these standards is providing the partner with the data in the defined message formats that it needs to perform its contractually agreed service **without having to intervene manually** and thus to enable and accelerate digitization.

Digitization

- EDI supports standardized communication between process partners along the logistics supply chain and thus enables the **automation** of process steps.

- EDI decouples the provision of data between source and target system according to automotive standard and thus **accelerates** digitization.

- Manual process steps are eliminated step by step.

Paperless transport

- By consistently using the new global message formats in high quality, we create the prerequisite for paperless transport.

- By linking shipment data and transport data via the references used in the messages, the basis is set for paperless processes.

Basic knowledge to start with!

Important for correct implementation!

Important definitions of terms according to VDA and deviations at Volkswagen!

(Visualisation on the next page)

Shipment

- Shipment refers to the totality of material which are to be transported / shipped at a certain point in time from the ship from party of the goods (e.g. supplier's plant) to a certain (VDA) point of discharge of the ship to party of goods (e.g. customer's plant) on **one means of transport** (s.a. truck, coach...).Normally, each shipment is identified by a unique reference number, the shipment number (formerly shipment load reference number).
- *Conclusion: The supplier should create one VDA 4987 Despatch advice and one VDA 4939 shipment document per shipment.*

Important

Point of discharge

- The point of discharge according to the VDA definition represents the physical location at the ship to premises where the means of transport (truck, wagon, etc.) is unloaded and thus the transport process is terminated. For historical reasons, Volkswagen has so far deviated from this industry solution and used the term "delivery point" in its communication. In the VDA 4933 and VDA 4987 formats, this is header information that applies to the entire shipment.
- *Conclusion: The VW delivery point corresponds to the VDA "point of discharge"! One shipment is bundled to one point of discharge!*

Important

Internal place of destination

- The internal place of destination according to the VDA definition represents the internal location at the ship to where the goods are stored. For historical reasons, Volkswagen has so far deviated from this industry solution and used the term place of discharge in communication. In the VDA 4933 and VDA 4987 formats, this is item information zhat is assigned to the material. A shipment can therefore contain several internal places of destination.
- *Conclusion: The "VW place of discharge" corresponds to the VDA "place of internal destination" in the VDA standard! One shipment can contain one or more places of internal destination as it is related to the article!!*
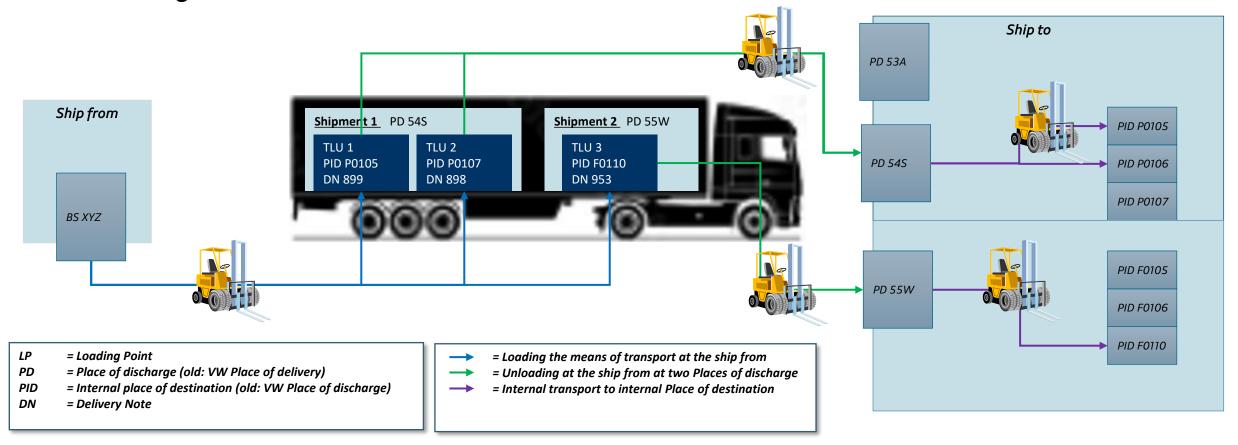
Important

Delivery Note

- The delivery note is the classic goods accompanying document. There is no form requirement for the delivery note. Depending on the contractual agreement or the structure of the supplier's ERP system, a delivery note can be created per Material, package or per entire shipment and must be transmitted on item level.
- *Conclusion: A shipment can contain one or more delivery notes*

Important

The use case according to automotive standard
Place of Discharge and internal Place of Destination

Legend:

LP	= Loading Point
PD	= Place of discharge (old: VW Place of delivery)
PID	= Internal place of destination (old: VW Place of discharge)
DN	= Delivery Note

→ = Loading the means of transport at the ship from
→ = Unloading at the ship from at two Places of discharge
→ = Internal transport to internal Place of destination

Volkswagen name and value		Meaning inside the process		VDA name and value
VW Place of destination: 54S	=	Physical place of unloading of means of transport	=	VDA Place of discharge 54S
VW Place of discharge: P0105	=	Internal place of destination e. g. storage location	=	VDA Internal place of destination P0105

Why is this important!
Impact on the transport process

Ship from A is loading a shipment to Ship to plant Wolfsburg
Shipment 1
PD 54S = *1 Place of Discharge*

TLU 1 PID P0105 DN 899	TLU 4 PID P0108 DN 899	TLU 7 PID P0111 DN 900	TLU 10 PID P0114 DN 899
TLU 2 PID P0106 DN 897	TLU 5 PID P0109 DN 899	TLU 8 PID P0112 DN 899	TLU 11 PID P0115 DN 898
TLU 3 PID P0107 DN 899	TLU 6 PID P0110 DN 899	TLU 9 PID P0113 DN 900	TLU 12 PID P0116 DN 899

= 12 internal places of destination

	Consolidation of shipment based on point of discharge	Consolidation of shipment based on internal place of destination
Amount of VDA4987 Despatch Advices	1 Despatch Advice	12x Despatch Advices
Amount of VDA4939 Shipping Documents	1 Shipping document	12x Shipping document
Process steps validation of document with one x-dock: 1. Despatch at ship from 2. Pick up by forwarder at ship from 3. Delivery at x-dock by forwarder 4. Goods Receipt at x-dock 5. Goods issue at x-dock 6. Pick up by forwarder at x-dock 7. Delivery at ship to by forwarder 8. Goods receipt at ship to	**8 Process Steps** **1** x Despatch confirmed **1** x Pick up confirmed **1** x Delivery at x-dock confirmed **1** x Goods Receipt at x-dock **1** x Goods issue at x-dock **1** x Pick up by forwarder at x-dock **1** x Delivery at ship to by forwarder **1** x Goods receipt at ship to	**96 Process Steps** **12** x Despatch confirmed **12** x Pick up confirmed **12** x Delivery at x-dock confirmed **12** x Goods Receipt at x-dock **12** x Goods issue at x-dock **12** x Pick up by forwarder **12** x Delivery at ship to by forwarder **12** x Goods receipt at ship to

TLU	*= Transport Loading Unit*
PD	*= Place of discharge (old: VW Place of destination)*
PID	*= Internal place of destination (old: VW Place of discharge)*
DN	*= Delivery Note*

What changes or needs to be considered...!

Explained by means of examples

VDA 4933 T1 Transport order material – Change of transmission file head and message header

Transmission file head – changes based on ISO 9735

▪ *The ISO essentially regulates which character sets may be used. ISO 9735 version 11 ("Application rules for the structuring of data in the exchange of electronic messages in an open system") only permits EDIFACT Syntax 4 as a valid standard in the future. Therefore, the user data header segment changes*

Message header – change of directory

▪ *In order to be able to use new content of the UN/CEFACT Directory, the current version of the message was created on the basis of Directory 20B. Therefore, the message header segment changes*

The following example shows the change

VDA 4933 T1 Transport Order Version (Guideline Version VDA 2.6 VW 1.9) **old**
Transmission file head information (envelope transmission file)
UNB+UNOC:**3**+O001234567OXYZ01+O0013000001VW   KOI+220301:1340+16393'
Message header (envelope message) up to Version
UNH+9+DESADV:**D:07A:UN:GAVI26 (up to this version)**

VDA 4933 T1 Transport Order Version (Guideline Version VDA 3.0 VW 3.0) **new**
Transmission file head information (envelope transmission file)
UNB+UNOC:**X**+O001234567OXYZ01+O0013000001VW   KOI+**20**220301:1340+16393'
Message header (envelope message) up to Version
UNH+9+DESADV:**D:20B:UN:GAVI30 (starting with this Version)**

VDA 4933 T1 Transport order material – harmonization with industry standard

Place of discharge – place of internal destination

In the **old version** of the guideline, the VW place of delivery and the VW place of discharge was transmitted at the header level of the message, which resulted that **two messages** were generated for **one shipment** with different VW places of discharge

In the **new version** of the guideline, the message structure is transferred to the VDA industry standard:

1. The VW **place of delivery** corresponds to the VDA **place of discharge** and is transmitted at header level in segment LOC+11.
2. The VW place of discharge corresponds to the VDA **Internal place of destination** and is transmitted at item level in the LOC+7 segment of the message.

This has the consequence that in this example the transport order of **one shipment** with material for several places of internal destination is to be transmitted in **one message** and thus corresponds to the <u>same structure as the VDA 4987 Despatch Advice.</u>

VDA 4933 T1 Transport Order Version (Guideline Version VDA 2.6 VW 1.9) **old**

Transmission file head information (envelope transmission file)				
UNB+UNOC:**3**+O001234567OXYZ01+O0013000001VW KOI+220301:1340+16393'				
Message header (envelope message) up to Version				
UNH+9+DESADV:**D:07A:UN:GAVI26 (up to this version)**				
Message content				

Segment-Group	Level	VDA Segment…	e. g. value	Description
SG2	Header	LOC+7	54S	VW place of delivery
SG2	Header	LOC+11	P0105	VW Place of discharge

VDA 4933 T1 Transport Order Version (Guideline Version VDA 2.6 VW 1.9) **old**

Transmission file head information (envelope transmission file)				
UNB+UNOC:**3**+O001234567OXYZ01+O0013000001VW KOI+220301:1340+16393'				
Message header (envelope message) up to Version				
UNH+9+DESADV:**D:07A:UN:GAVI26 (up to this version)**				
Message content				

Segment-Group	Level	VDA Segment…	e. g. value	Description
SG2	Header	LOC+7	54S	VW place of delivery
SG2	Header	LOC+11	P0106	VW Place of discharge

VDA 4933 T1 Transport Order Version (Guideline Version VDA 3.0 VW 3.0) **new**

Transmission file head information (envelope transmission file)				
UNB+UNOC:**X**+O001234567OXYZ01+O0013000001VW KOI+**20**220301:1340+16393'				
Message header (envelope message) up to Version				
UNH+9+DESADV:**D:20B:UN:GAVI30 (starting with this Version)**				
Message content				

Segment-Group	Level	VDA Segment…	e. g. value	Description
SG2	Head	LOC+11	54S	VDA place of discharge
SG22	Item	LOC+7	P0105	VDA int. Place of destination
SG22	Item	LOC+7	P0106	VDA int. Place of destination

VDA 4933 T1 Transport order material – new information about movement type

According to the old version of the Guideline, the data of the forwarder already had to be transmitted in the segment NAD+FW for European transports for shipments with the Incoterms "EXW" (ex works) and "FCA" (free carrier).

In the new version of the Guideline, **a new segment TMD+** has been included in segment group 6 to transmit the movement type. This information must now also be transmitted in order to make the consignment data available digitally to the logistics service providers involved in the transport.

Please use:

1. For ordering the area freight forwarder:
   - X05 Distribution by area contract freight forwarder

2. For contracting direct load forwarders:
   - X01 Full Truck Load - with separate tender

Attention! In this context, we would also like to point out once again that the message must be transmitted with the correct process indicator (segment BGM data element 1000), as errors have often occurred here in the past!

For the ordering of:
1. Area freight forwarder
   - LTL BGM+343:::**LTL**+12345678:1+9

2. Direct freight forwarders
   - FTL BGM+343:::**FTL**+12345678:1+9

VDA 4933 T1 Transport Order Version (Guideline Version VDA 3.0 VW 3.0) **new**

Transmission file head information (envelope transmission file)				
UNB+UNOC:**X**+O001234567OXYZ01+O0013000001VW KOI+**20**220301:1340+16393'				

Message header (envelope message) up to Version				
UNH+9+DESADV:**D:20B:UN:GAVI30 (starting with this Version)**				

Message content				
Segment-Group	Level	VDA Segment...	e. g. value	Description
SG2	Head	LOC+11	54S	VDA place of discharge
SG6	**Head**	**TMD+**	X01	**Movement Type**
SG22	Item	LOC+7	P0105	VDA int. Place of destination
SG22	Item	LOC+7	P0106	VDA int. Place of destination

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VDA 4987 Despatch Advice – Change of transmission file head and message header

Transmission file head – changes based on ISO 9735

- *The ISO essentially regulates which character sets may be used. ISO 9735 version 11 ("Application rules for the structuring of data in the exchange of electronic messages in an open system") only permits EDIFACT Syntax 4 as a valid standard in the future. Therefore, the transmission file head segment changes*

Message header – change of directory

- *In order to be able to use new content of the UN/CEFACT Directory, the current version of the message was created on the basis of Directory 20B. Therefore, the message header segment changes*

The following example shows the change

VDA 4987 Despatch Advice (Guideline Version VW 3.3) old
Transmission file head information (envelope transmission file)
UNB+UNOC:**3**+O001234567OXYZ01+O0013000001VW   KOI+220301:1340+16393'
Message header (envelope message) up to Version
UNH+9+DESADV:**D:07A:UN:GAVF24**

VDA 4987 Despatch Advice (Guideline Version VW 4.0) new
Transmission file head information (envelope transmission file)
UNB+UNOC:**X**+O001234567OXYZ01+O0013000001VW   KOI+**20**220301:1340+16393'
Message header (envelope message) starting with Version
UNH+1234+DESADV: **D:20B:UN:GAVF30**

VDA 4987 Despatch Advice - harmonization with industry standard

Place of discharge – place of internal destination

In the **old version** of the guideline:

1. The **VW place of delivery in segment LOC+7** was transmitted at **header level** of the message and corresponds to the **VDA place of discharge.**
2.
3. The **VW place of discharge in segment LOC+11** was transmitted at **item level** of the message and corresponds to the **VDA place of internal destination**.

In the **new version** of the guideline, the message structure is transferred to the **VDA industry standard**:

1. As **VW place of delivery** corresponds to the **VDA place of discharge** **and** is transmitted in segment **LOC+11 at header level**

2. As the **VW place of discharge** corresponds to the **VDA place of internal destination** and is transmitted in segment **LOC+7 at item level**

VDA 4987 Despatch Advice (Guideline Version VW 3.3) **old**

Transmission file head information (envelope transmission file)

UNB+UNOC:**3**+O001234567OXYZ01+O0013000001VW   KOI+220301:1340+16393'

Message header (envelope message) up to Version

UNH+9+DESADV:**D:07A:UN:GAVF24**

Message content

Segment-Group	Content level	Segment...	e. g. value	Description VW
SG2	Head	LOC+7	54S	Place of Delivery
SG20	Item	LOC+11	P0105	Place of Discharge
SG20	Item	LOC+11	P0106	Place of Discharge

VDA 4987 Despatch Advice (Guideline Version VW 4.0) **new**

Transmission file head information (envelope transmission file)

UNB+UNOC:**X**+O001234567OXYZ01+O0013000001VW   KOI+**20**220301:1340+16393'

Message header (envelope message) starting with Version

UNH+1234+DESADV: **D:20B:UN:GAVF30**

Message content

Segment-Group	Content level	Segment...	e. g. value	Description VDA
SG2	Head	LOC+11	54S	Place of discharge
SG22	Item	LOC+7	P0105	int. Place of destination
SG22	Item	LOC+7	P0106	int. Place of destination

VDA 4987 Despatch advice – new information about movement type

According to the old version of the Guideline, the data of the forwarder already had to transmitted in the segment NAD+FW for European transports for shipments with the Incoterms "EXW" (ex works) and "FCA" (free carrier).

In the new version of the Guideline, **a new segment TMD+** has been included in segment group 6 to transmit the movement type. This information must now also be transmitted in order to make the consignment data available digitally to the logistics service providers involved in the transport.
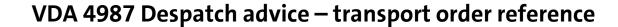
Please use:

1. For ordering the area freight forwarder:
- X05 Distribution by area contract freight forwarder

2. For contracting direct load forwarders:
- X01 Full Truck Load - with separate tender

VDA 4987 Despatch Advice (Guideline Version VW 4.0) new				
Transmission file head information (envelope transmission file)				
UNB+UNOC:X+O001234567OXYZ01+O0013000001VW KOI+20220301:1340+16393'				
Message header (envelope message) starting with Version				
UNH+1234+DESADV: **D:20B:UN:GAVF30**				
Message content				
Segment-Group	Content level	Segment…	e. g. value	Description VDA
SG2	Head	LOC+11	54S	Place of discharge
SG6	**Head**	**TMD+**	**X01**	**Movement Type**
SG22	Item	LOC+7	P0105	int. Place of destination
SG22	Item	LOC+7	P0106	int. Place of destination

VDA 4987 Despatch advice – transport order reference

Already requested with the previous version of the guideline but often "forgotten", transmission of the transport order reference in the segment RFF+TIN

1. If **VDA 4933 T1** transport order message was created by the partner the transport order reference is to be taken from segment **BGM** data element **1004** document identifier from the **original transport order message**.

2. If the partner uses the **web portal solution** of VW or forwarder for transport notification the transport order number is created by the portal and **must be taken over** in this message.

This information is important to connect notification of planned shipment and despatched shipment and to support shipment tracking !

VDA 4987 Despatch Advice (Guideline Version VW 4.0) **new**				
Transmission file head information (envelope transmission file)				
UNB+UNOC:**X**+O001234567OXYZ01+O0013000001VW KOI+**20**220301:1340+16393'				
Message header (envelope message) starting with Version				
UNH+1234+DESADV: **D:20B:UN:GAVF30**				
Message Content				
Segment-Group	Level	VDA Segment…	e. g. value	Description
SG1	Head	RFF+TIN	12345678	Transport order reference

Tools for the changeover...

1. The complete version of the current guidelines can be found on the ONE Group Business Platform:
   Electronic Data Interchange

2. You can find a self-service for the validation of your guidelines at Self Service Validation

3. Virtuell File Name and transmission parameters do not change!

4. In addition, you have the option of sending the message with a test indicator for a productive test.

FAQ Call Off

Will there be a new version of the VDA 4984 call off?

➔ **No, no plans to change so far!**

VDA 4984 Delivery Call Off (Guideline Version VDA 2.1 VW 1.8)				
Transmission file head information (envelope transmission file)				
UNB+UNOC:**3**+O001234567OXYZ01+O0013000001VW KOI+220301:1340+16393'				
Message header (envelope message) up to Version				
UNH+9+DELFOR:**D:04A:UN:GAVB11**				
Message content				
Segment-Group	Content level	Segment...	e. g. value	Description VW
SG6	Head	LOC+7	54S	Place of Delivery
SG6	Head	LOC+11	P0105	Place of Discharge

FAQ: Are there changes in the related documents?

VDA 4939 Shipment document ➜ No changes in the document!

- If you create the shipment document with Volkswagen TSB Generator Software from VDA 4987 Despatch advice ➜ **Use the current version of TSB Generator** to automatically create the correct document!
- If you create the shipment document in the Volkswagen portal solutions WEBSCM or Discovery, nothing changes.

From **old version** of the message…

From **new version** of the message…

VDA 4939 Shipment Document

If source VDA4987 old		➜Document does not change	
Segment-Group	Segment	Beispielwert	Fachliche Bezeichnung
SG2 Master	LOC+7	54S	Place of discharge
SG20 Item	LOC+11	101K4	int. Place of destination
SG20 Item	LOC+11	101P3	int. Place of destination

VDA 4939 Shipment Document

If source VDA4987 new		➜Document does not change	
Segment-Group	Segment	e. g. value	Description VDA
SG2 Master	LOC+11	54S	Place of discharge
SG22 Item	LOC+7	1ABCD	int. Place of destination
SG22 Item	LOC+7	2XYZA	int. Place of destination

FAQ: Are there changes in the related documents?

VDA 4994 Global Transport Label (GTL) ➔ No changes in the document!

- If you create the GTL with Volkswagen TSB Generator from VDA 4987 Despatch advice ➔ **Use the current version of TSB Generator** to automatically create the correct document!
- If you create the GTL in the Volkswagen portal solutions WEBSCM or Discovery, nothing changes!

From **old version** of the message…

From **new version** of the message…

VDA 4994 Global Transport Label

If souce Quelle 4987 old		➔Document does not change	
Segment-Group	Segment	e. g. value	Description
SG2	LOC+7	54S	Place of discharge
SG20	LOC+11	101K4	int. Place of destination

VDA 4994 GTL

If source VDA 4987 new		➔Document does not change	
Segment-Group	Segment	e. g. value	Description
Master	**LOC+11**	54S	Place of discharge
Item	**LOC+7**	1ABCD	int. Place of destination

Danke für Ihre Aufmerksamkeit!