

VOLKSWAGEN AG EDI Implementation Guidelines

Delivery Instruction VDA 4905/4, Ausg. Juli 1996

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I Delivery instruction VDA 4905/1

General definitions

The VDA 4905/1 is transmitted for delivery instructions of the factories of the Volkswagen group by the IVZ Wolfsburg (station ID KEY).

The file names are:

DUC.KEY <i>sid</i> .VDA4905.VW	Delivery instructions for European VW plants (except VW Navarra)
DUC.KEY <i>sid</i> .VDA4905.AU	Delivery instructions Audi
DUC.KEY <i>sid</i> .VDA4905.GY	Delivery instructions AHM Győr
DUC.KEY <i>sid</i> .VDA4905.LA	Delivery instructions Lamborghini
DUC.KEY <i>sid</i> .VDA4905.BY	Delivery instructions Bentley

in which *sid* represents the variable for the station ID of the supplier, which is indicated to the partners with implementation of the message by the partner for delivery instructions with VW/Audi.

Modifications to delivery instructions are indicated under a new transfer number. There are no cancellations of a delivery instruction already transferred. By transfer of a call-off with the requirement identifier " no requirement " the requirement numbers of the preceding call-off are set out of strength.

The latest version of this document can also be found in the Internet under:

http://www.vwgroupsupply.com/b2b/vwb2b_folder/supply2public/en/zusammenarbeit/edi_elektronischer/downloads.html

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Record types and record type sequence with delivery instructions message type VDA 4905/1

VW >>> supplier

Re- cord type	Ver- sion	M/C	Re- pe- ti- tion	Data contents
511	02	M	1	Header record delivery instruction (1 time per logical data-communication) must be first set of logical data-communication
512	01	M	1	Unique data to the article codes (1 time per key: article code, plant customer, part number, unloading point) follows after 511 can follow after 513, 514, 517, 518
513	01	M	1	Reconciliation and call-off data (1 time per article code, plant customer) follows after 512
514	01	C	R	Additional call-off data (x times per article code, plant customer) can follow after 513, 514
515	02	C	1	Complementary data delivery call (1 time per article code / plant customer) follows after 514
517	01	C	R	Packaging data (x times per article code, plant customer) can follow after 513, 514, 515, 517 (transfer only if there is a packing regulation for the article code)
518	01	C	R	Text data (x times per article code, plant customer) can follow after 513, 514, 515, 517, 518 (transfer only if necessary)
519	02	M	1	Trailer record delivery instruction (1 time per logical data-communication) can follow after 513, 514, 515, 517, 518

Notes to the column headings and indications of the data fields.

Mean:

M = Must (Mandatory)

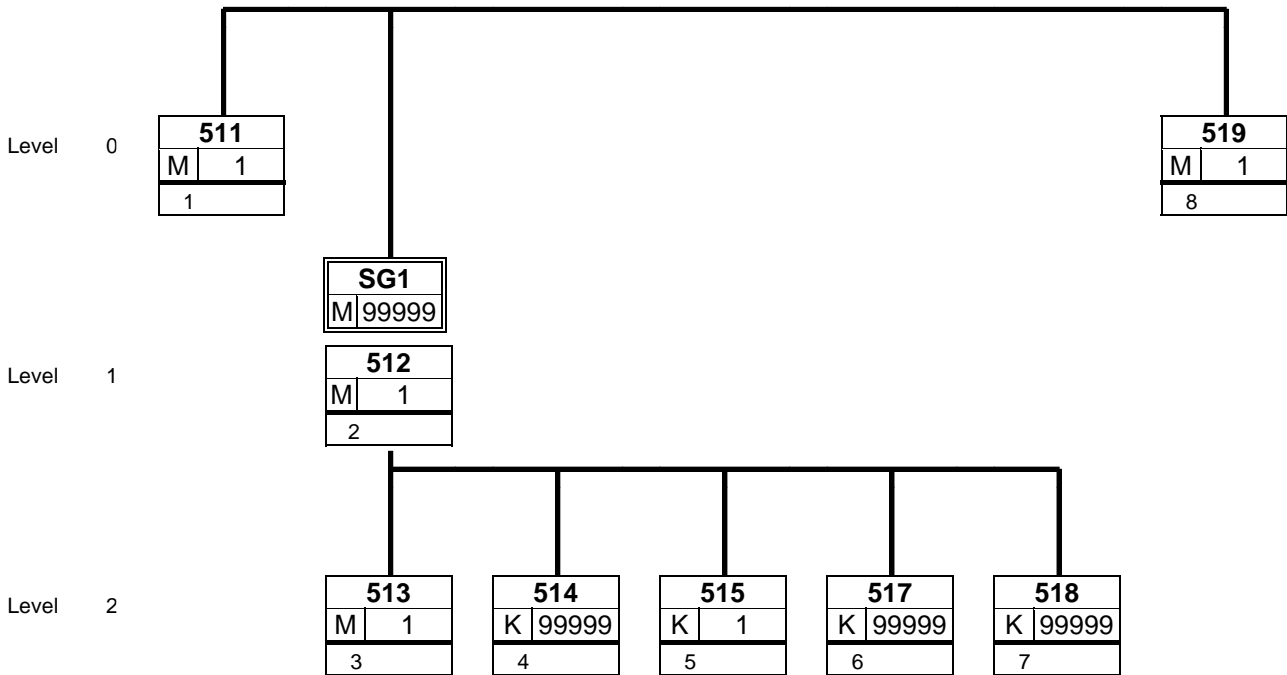
C = Can (Conditional)

A = Alphanumerical (fields are left justified to fill)

N = Numerical (fields are right-justified with leading zeros to fill)

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All documented Segments/Segmentgroups are in this message structure described. A documented Segment/Segmentgroup shouldn't have to be assigned always.

In contrast to the EDIFACT- Message layout chart the different Segment-version will be displayed explicitly.

Volkswagen VDA 4905

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	Seg. Nr.	St. VW	Max Wdh	Segmentname	
	511	1	M	1	header record delivery instruction
SG1		M	9999999		
	512	2	M	1	unique delivery instruction data
	513	3	M	1	reconciliation and call off data
	514	4	K	9999999	additional call off data
	515	5	K	1	Ford US call off data (for LABs from USA, Canada, Mexico only)
	517	6	K	9999999	packaging data
	518	7	K	9999999	call off text
	519	8	M	1	trailer record delivery instruction

this message structure described. A documented Segment/Segmentgroup shouldn't have to be assigned always.
In contrast to the EDIFACT- Message layout chart the different Segment-version will be displayed explicitly.

Volkswagen VDA 4905

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Volkswagen VDA 4905

Zähler	Nr	Bez	St	MaxWdh	Ebene	Name
0010	1	511	M	1	0	header record delivery instruction

Standard				Implementation																																
Id	name	from to	status	format	status	application / comment																														
511_01	header record delivery instruction		M	N3	M	Constant "511"																														
511_02	version number		M	N2	M	Constant "02"																														
511_03	customer number		M	A9	M	Code, which the supplier assigns to a customer. The customer code can be determined by the supplier and be transferred at the request of the supplier in the delivery instruction and in the daily call off. A different customer code for Volkswagen and Audi (not for each VW/Audi plant) is possible. VW Saxonia and the Saxonian automotive manufacture GmbH have own customer numbers, in the delivery instruction however also for these factories the Volkswagen customer number will be transmitted.																														
511_04	supplier number		M	A9	M	(an9/an7) Enlarged supplier number including identifier for supplier plant (an6/an5) valid for suppliers with supplier number in format used up to now The code is assigned and transmitted by Volkswagen/Audi with 7 or 5 digits without index or when using the plant index with 9 or 6 digits without any seperative element. To carriers applies a supplier code with nine ore six digits.																														
511_05	old (previous) transmission number		M	N5	M	During the first transfer is transmission number old = 00000.																														
511_06	new transmission number		M	N5	M	VW and Audi assign in each case within their application for each data-communication job a transfer number (new). The recipient keeps this number up to the next transfer of a delivery instruction. The recipient must control the completeness of the communication data for each application. Examples of entries in the two transmission numbers: <table border="0"> <tr> <td>Process</td> <td>Number old</td> <td>Number new</td> </tr> <tr> <td>Start:</td> <td>00000</td> <td>00001</td> </tr> <tr> <td></td> <td>or</td> <td>00000</td> </tr> <tr> <td></td> <td></td> <td>00017</td> </tr> <tr> <td>Routine:</td> <td>00019</td> <td>00020</td> </tr> <tr> <td></td> <td>or</td> <td>88051</td> </tr> <tr> <td></td> <td></td> <td>88061</td> </tr> <tr> <td>Overflow:</td> <td>99999</td> <td>00001</td> </tr> <tr> <td></td> <td>or</td> <td>89361</td> </tr> <tr> <td></td> <td></td> <td>00011</td> </tr> </table>	Process	Number old	Number new	Start:	00000	00001		or	00000			00017	Routine:	00019	00020		or	88051			88061	Overflow:	99999	00001		or	89361			00011
Process	Number old	Number new																																		
Start:	00000	00001																																		
	or	00000																																		
		00017																																		
Routine:	00019	00020																																		
	or	88051																																		
		88061																																		
Overflow:	99999	00001																																		
	or	89361																																		
		00011																																		
511_07	transmission date		M	N6	M																															
511_08	zero position date		K	N6	M	date of zero position cumulative quantity receipt figure																														
511_09	blank		K	A83	M	filled with blanks																														

Bemerkung:

Beispiel:

51101 526330 0002600027070612061028

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Zähler	Nr	Bez	St	MaxWdh	Ebene	Name
0020		SG1	M	9999999	1	segment group 1
0030	2	512	M	1	1	unique delivery instruction data

Standard				Implementation	
ld	name	from to	status	format	status application / comment
512_01	unique delivery instruction data		M	N3	M Konstant "512" Constant "512"
512_02	version number		M	N2	M Constant "01"
512_03	customer plant		M	A3	M Delivery destination plant is transmitted with two digits to place 6 and 7; see also EDI Implementation Guidelines, appendix 1, plant code. Example: 11(=Wolfsburg). Exception: AHM, Győr: partly 3 digits are transmitted. Example: 26D
512_04	call off number new		M	N9	M The delivery call-off number new is assigned per article code numerically and continuously ascending with leading zeros.
512_05	call off date new		M	N6	M related to 512_04
512_06	call off number old		M	N9	M see delivery call-off number new, numerically and continuously ascending
512_07	call off date old		M	N6	M In Verbindung mit 512_06 Related to 512_06
512_08	customer article code		M	A22	M The Volkswagen/Audi part number is transferred left justified in the printing form (inclusive blank as constituent of the part number). Into the delivery data the part number is to be taken over identically!
512_09	supplier article code		K	A22	K The part number of the supplier is not transferred by VW/Audi.
512_10	order / closing number		K	A12	K The customer order number is assigned originally with the (yearly) inquiry by the procurement. It is re-coded for the delivery instruction as a function of the application. In the delivery note the part number indicated in the delivery instruction is absolutely to be used. Left justified entry with 12 digits in printing form.
512_11	unloading point		M	A5	M Unloading point (Dock / gate) marks the detailed unloading area in the Volkswagen-Audi-plant in encoded form, in which the material is to be unloaded. In messages and documents to VW / Audi the dock / gate is to be transmitted identically to the format in the EDI delivery instruction. From the delivery instruction transmitted on paper the receiving location has to be taken over without separators: e.g.: 101-01 => 10101 101/74 => 10174 St 1: delivery plant, St.2-3: financial key, St 4-5: group of stocks. Delivery instructions with an receiving location which cannot be identified, e.g. orders not transmitted by a delivery instruction, are to be co-ordinated with the responsible person for MAT (Material on Transport) data from VW/Audi (see EDI Implementation Guidelines, appendix 1, partners).
512_12	customer reference		M	A4	M As customer clerk identifier the disposition plant with two digits and a two digit operator flag of the disposition clerk is transferred.
512_13	quantity unit		M	A2	M Encoded form; see appendix.
512_14	delivery interval		M	A1	M in accordance with call-off date
512_15	production release		K	N1	K Number of months excluding deadline month, is not transferred by VW/Audi.
512_16	material release		K	N1	K Number of months excluding deadline month, is not transferred

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Standard				Implementation	
Id	name	from to	status format	status	application / comment
512_17	usage key		M A1	M	by VW/Audi. E - spare parts , S - series
512_18	accounting key		K A7	K	Complementary data of the customer, from field (512_15) of the DIN form 4991-94, are not transmitted by VW/Audi.
512_19	stock		K A7	K	Place of delivery, left justified code entry with 3 digits. The place of delivery marks the location (hall / external service provider), where is to be delivered, and covers several receiving locations. The places of delivery have to be printed by the supplier as shipment addresses on the shipment papers (VDA 4912, VDA 4939). The referred shipment addresses are available for downloading in the closed area of our supplier platform. The place of delivery is defined and assigned by the Factory Logistics of the respective marque, it is no key term. At Audi a 4-digit storage location may be added to the 3-digit place of delivery. If so, 3 + 4 digits have to be resent in the despatch advices. 7 print positions should be designed in the shipment papers. If no storage location is assigned, the last 4 digits may be printed as blancs
512_20	blank		K A5	M	filled with blanks

Bemerkung:**Beispiel:**

5120126 0000000030706110000000020706048P7 821 191 C
26C4STL00S GVZ

5030074876/1T SL

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Zähler	Nr	Bez	St	MaxWdh	Ebene	Name
0020		SG1	M	9999999	1	segment group 1
0040	3	513	M	1	2	reconciliation and call off data

Standard				Implementation	
ld	name	from to	status format	status	application / comment
513_01	reconciliation and call off data		M N3	M	Constant "513"
513_02	version number		M N2	M	Constant "01"
513_03	entry date last delivery		M N6	M	VW/Audi booked and considered in their planning recorded receipts of this article up to this date.
513_04	delivery note number last delivery		M N8	M	Delivery note number of the last material receipt at VW/Audi with this article code, right-justified entry with leading zeros. Dependent on the transportation distance the recorded receipt sequence can deviate of the the dispatched sequence at the supplier.
513_05	delivery note date last delivery		M N6	M	Delivery note date (shipping date) of the last receipt booked at VW/Audi, in form JJMMTT.
513_06	quantity last delivery		M N12	M	Quantity last recorded material receipt at VW/Audi, right-justified entry, with leading zeros. 3 decimal places, minus sign if necessary.
513_07	cumulative figure		M N10	M	Cumulative figure, which contains all booked receipts with VW/Audi positively or negatively starting from " date zero position input progress number " transmitted in SA 511 up to the calculation of requirements for the current delivery call. With leading zeros, no decimal place, minus sign if necessary.
513_08	call off date 1		M N6	M	Goods arrival date in the receiving area of VW/Audi related to the " call-off quantity 1 " . Call-off dates can be indicated as daily/weekly or monthly dates. This field (and further) can contain different forms of date (see appendix, Pos.05).
513_09	call off quantity 1		M N9	M	Contains the call-off quantity 1. Call-off quantities can be indicated as daily/weekly or monthly quantities. All call-off quantities are entered right-justified with leading. No decimal place.
513_10	call off date 2		K N6	K	see call-off date 1
513_11	call off quantity 2		K N9	K	see call-off quantity 1
513_12	call off date 3		K N6	K	see call-off date 1
513_13	call off quantity 3		K N9	K	see call-off quantity 1
513_14	call off date 4		K N6	K	see call-off date 1
513_15	call off quantity 4		K N9	K	see call-off quantity 1
513_16	call off date 5		K N6	K	see call-off date 1
513_17	call off quantity 5		K N9	K	see call-off quantity 1
513_18	blank		K A6	M	filled with blanks

Bemerkung:

Beispiel:

51301070608802346090706080000002000000000004007061500000009000000

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Zähler	Nr	Bez	St	MaxWdh	Ebene	Name
0020		SG1	M	9999999	1	segment group 1
0060	6	517	K	9999999	2	packaging data

Standard				Implementation		
Id	name	from to	status	format	status	application / comment
517_01	packaging data		M	N3	M	Constant "517"
517_02	version number		M	N2	M	Constant "02"
517_03	customer packaging article code		M	A22	M	ID number, which the customer assigns to a packaging type, left justified entry with leading zeros for type of packaging. Packaging types are indicated in a first information and for modifications in the packing order as well as in the delivery instruction according to the following examples: VW0001 not SK-V-7143 VW0012 not 70-A-110671 007255 not 7-v-7255 010028 not 70-A-010028 0110302 not 7-V-11030/2 110656 not 70-A-110656 FA0011 not FA-11 We expect this representational form in all accompanying documents and - data, which are transmitted in the case of a supply at VW.
517_04	supplier packaging article code		K	A22	K	ID number, which the supplier assigns to a packaging type, left justified entry with leading zeros for type of packaging type.
517_05	capacity		M	N7	M	Packaging type for the article code assigned amount of filling in the measure unit of SA 512, position 13; right-justified entry with leading zeros, no decimal place.
517_06	blank		K	A72	M	filled with blanks

Bemerkung:

Beispiel:

51799XX9999999

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Zähler	Nr	Bez	St	MaxWdh	Ebene	Name
0020		SG1	M	9999999	1	segment group 1
0070	7	518	K	9999999	2	call off text

Standard				Implementation	
ld	name	from to	status format	status	application / comment
518_01	call off text		M N3	M	Constant "518"
518_02	version number		M N2	M	Constant "01"
518_03	call off text 1		M A40	M	left-justified entry
518_04	call off text 2		K A40	K	left-justified entry
518_05	call off text 3		K A40	K	left-justified entry
518_06	blank		K A3	M	filled with blanks

Bemerkung:

The record type 518 is transferred by VW/Audi only if textual informations to transfer.

The transferred information can be of importance for the controlling of the processing of the supplier, e.g. announcement of formal modifications in the calls or announcement of new codes (plant flags).

Beispiel:

51801NEUE EFZ IM LAB/FAB
G 28.10.06

AB 06.11.06/ABGRENZUNG

Z.INV.STICHTA

Volkswagen AG EDI Implementation Guidelines

Volkswagen VDA 4905

Appendix: Code - directory

Code table	Code contents	in the record type																											
Quantity unit	<p>From the multiplicity of user-specific quantity and units only a direct selection comes into consideration, in order to be able to dimension the demand figures (quantities) for the production material in connection with the delivery calls between VW/Audi and supplier:</p> <p>Encoded form:</p> <table> <tr><td>ST</td><td>=</td><td>piece of</td></tr> <tr><td>SA</td><td>=</td><td>Set</td></tr> <tr><td>M</td><td>=</td><td>meters of</td></tr> <tr><td>M2</td><td>=</td><td>square meters of</td></tr> <tr><td>M3</td><td>=</td><td>cubic meters of</td></tr> <tr><td>L</td><td>=</td><td>litre of</td></tr> <tr><td>T</td><td>=</td><td>ton of</td></tr> <tr><td>KG</td><td>=</td><td>kilograms</td></tr> </table>	ST	=	piece of	SA	=	Set	M	=	meters of	M2	=	square meters of	M3	=	cubic meters of	L	=	litre of	T	=	ton of	KG	=	kilograms	512			
ST	=	piece of																											
SA	=	Set																											
M	=	meters of																											
M2	=	square meters of																											
M3	=	cubic meters of																											
L	=	litre of																											
T	=	ton of																											
KG	=	kilograms																											
Use keys	<p>Encoded form:</p> <table> <tr><td>S</td><td>=</td><td>series of</td></tr> <tr><td>E</td><td>=</td><td>spare parts generally</td></tr> <tr><td>U</td><td>=</td><td>series and back-up</td></tr> <tr><td>V</td><td>=</td><td>attempt</td></tr> <tr><td>P</td><td>=</td><td>pilot</td></tr> <tr><td>Z</td><td>=</td><td>additional requirements</td></tr> <tr><td>M</td><td>=</td><td>first sample</td></tr> <tr><td>Y</td><td>=</td><td>sample</td></tr> <tr><td>X</td><td>=</td><td>other one</td></tr> </table>	S	=	series of	E	=	spare parts generally	U	=	series and back-up	V	=	attempt	P	=	pilot	Z	=	additional requirements	M	=	first sample	Y	=	sample	X	=	other one	
S	=	series of																											
E	=	spare parts generally																											
U	=	series and back-up																											
V	=	attempt																											
P	=	pilot																											
Z	=	additional requirements																											
M	=	first sample																											
Y	=	sample																											
X	=	other one																											
Call-off date	<p>For the call-off date there are different representational forms:</p> <p>1. form JJMMTT: means current date as date of arrival.</p> <p>2. Encoded forms:</p> <p>'000000' Indicates last call-off-field of an article code in this delivery call. The related quantity field as well as all further call fields of the data record are BLANK.</p> <p>'222222' Indicates that no requirement is present for the article code. The related quantity field as well as all further call fields of this data record are BLANK.</p> <p>'333333' Indicates the related quantity as BACKLOG.</p> <p>'444444' Indicates the related quantity as IMMEDIATE Requirements.</p> <p>'555555' It indicates that the following call fields contain required quantities, which refer to the period indicated in the call-off date. The related quantity field is BLANK. If all quantities of an article code refer to periods, the first call field begins with ' 555555 '. The call-off date can look as follows:</p> <table> <tr><td>JJWWWW</td><td>Requirement for the period of week WW until week WW</td></tr> <tr><td>JJMM00</td><td>Requirement for month MM</td></tr> <tr><td>JJ00WW</td><td>Requirement for week WW</td></tr> </table> <p>'999999' Indicates the quantity field, which can contain the preview quantities of several months in the delivery call under the date " remainder ".</p>	JJWWWW	Requirement for the period of week WW until week WW	JJMM00	Requirement for month MM	JJ00WW	Requirement for week WW	513, 514																					
JJWWWW	Requirement for the period of week WW until week WW																												
JJMM00	Requirement for month MM																												
JJ00WW	Requirement for week WW																												