

VW EDI Implementation Guidelines



Delivery instruction VDA 4905/1, version April 1996 from VW/Audi to supplier

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Delivery instruction VDA 4905/1

Volkswagen and Audi transfer the delivery instruction as well in the message type VDA 4905/1, in the ODETTE message type DELINS according to VDA 4905/2 as in EDIFACT DELFOR.

The description of the VW/Audi specific use of the delivery instruction in the format VDA 4905/2 is available in the Internet for download, too.

General definitions

The VDA 4905/1 is transmitted for delivery instructions of the factories of the marque Volkswagen by the IVZ Wolfsburg (station ID R11) and for delivery instructions of the marque Audi by the IVZ in Ingolstadt (station ID R21). The delivery instructions of VW de Mexico and of the marque SEAT are routed outgoing from the IVZ Puebla (R66) or IVZ Barcelona (station ID R41) through the IVZ in Wolfsburg to the partners within the area of the VDA. The file names are:

DBE.R11 <i>sid</i> .B3200B	(IVZ Wolfsburg VDA 4905/1, for the german VW-plants including VW-Brussels, VW-Saxonia, VW-Bratislava and VW-Palmela/ autoeuropa),
DUC.R21 <i>sid</i> .B5024 <u>A</u>	(delivery instructions Audi, VDA 4905/1)
DBE.R41 <i>sid</i> .B3300B	(delivery instructions SEAT, VDA 4905/1),
DBE.R66 <i>sid</i> .B3200B	(delivery instructions VW de Mexico, VDA 4905/1),
DBE.R66 <i>sid</i> .B3200S	(delivery instructions VW Mex./SECORISA, VDA 4905/1),
DUC.R26 <i>sid</i> .VDA4905	(delivery instructions Audi Hungaria Gyoeer, 4905/1),

whereby *sid* 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.

The file names for the delivery instructions can be differentiated by modification of the last character in the file names (e.g. DUC.R21*sid*.B5024A / DUC.R21*sid*.B5024B) with Volkswagen and Audi, if they are sent for different supplier numbers to the same computer - defined by the station ID/ODETTE ID.

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 receiver of data has to guarantee that all annual details with two digits are correctly converted with the change from the year 1999 to the year 2000.



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Record types and record type sequence with delivery instructions message type VDA 4905/1
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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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Record type 511, version 02, Header record delivery instruction

Pos.	Data element	C/ M	LG. BYT	A/ N	from- to	Verbal description																					
01	Record type	M	3	N	1-3	Constant "511"																					
02	Version number	M	2	N	4-5	Constant "02"																					
03	Customer code	M	9	A	6-14	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.																					
04	Supplier code	M	9	A	15-23	The code is assigned and transmitted by Volkswagen/Audi with 5 digits without index or when using the plant index with 6 digits without any seperative element. To carriers applies a supplier code with six digits without plant index.																					
05	Transmission number old	M	5	N	24-28	During the first transfer is transmission number old = 00000.																					
06	Transmission number new	M	5	N	29-33	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. <u>Examples of entries in the two transmission numbers:</u> <table style="margin-left: 20px;"> <thead> <tr> <th>Process</th> <th>Number old</th> <th>Number new</th> </tr> </thead> <tbody> <tr> <td>Start:</td> <td>00000</td> <td>00001</td> </tr> <tr> <td>or</td> <td>00000</td> <td>00017</td> </tr> <tr> <td>Routine:</td> <td>00019</td> <td>00020</td> </tr> <tr> <td>or</td> <td>88051</td> <td>88061</td> </tr> <tr> <td>Overflow:</td> <td>99999</td> <td>00001</td> </tr> <tr> <td>or</td> <td>89361</td> <td>00011</td> </tr> </tbody> </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																									
07	Transmission date	M	6	N	34-39	In form: JJMMTT = YYMMDD																					
08	Starting date Cumulative figure receipt	C	6	N	40-45	In form: JJMMTT = YYMMDD. Volkswagen/Audi transfer the "date of zero position cumulative quantity receipt figure " accordingly to the expressed desire of suppliers. All data for the zero position cumulative quantity receipt figure are transmitted after the zero position.																					
09	Blanks	M	83	A	46-128	filled with blanks																					

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Record type 512, version 01, unique data

Pos.	Data element	C/ M	LG. BYT	A/ N	from- to	Verbal description
01	Record type	M	3	N	1-3	Constant "512"
02	Version number	M	2	N	4-5	Constant "01"
03	Customer Plant code	M	3	A	6-8	The VW/Audi plant (at present disposition plant) is transferred with two digits to place 6 and 7; see also EDI Implementation Guidelines, appendix 1, plant code. The transfer of the supplied plant is planned.
04	Delivery call-off number new	M	9	N	9-17	The delivery call-off number new is assigned per article code numerically and continuously ascending with leading zeros.
05	Delivery call-off date new	M	6	N	18-23	In form JJMMTT = YYMMDD; related to position 04
06	Delivery call-off number old	M	9	N	24-32	see delivery call-off number new, numerically and continuously ascending
07	Delivery call-off date old	M	6	N	33-38	In form: JJMMTT = YYMMDD; related to position 06
08	Article code customer	M	22	A	39-60	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!
09	Article code supplier	C	22	A	61-82	The part number of the supplier is not transferred by VW/Audi.
10	Order number	C	12	N	83-94	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.
11	Dock / Gate	M	5	A	95-99	Left justified entry with 6 digits in printing form. Dock / gate marks the receiving location 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).
12	Customer clerk identifier	M	4	A	100-103	As customer clerk identifier the disposition plant with two digits and a two digit operator flag of the disposition clerk is transferred.
13	Quantity unit of measure	M	2	A	104-105	Encoded form; see appendix.
14	Delivery frequency	M	1	A	106	Encoded form; VW/Audi use only the flag L = " in accordance with call-off date ".
15	Manufacturing release	C	1	N	107	Number of months excluding deadline month, is not transferred by VW/Audi.
16	Material release	C	1	N	108	Number of months excluding deadline month, is not transferred by VW/Audi.
17	Requirement code	M	1	A	109	Encoded form; see VDA 4905/1; see appendix; VW / Audi use the codes S = series E = spare parts
18	Account key	C	7	A	110-116	Complementary data of the customer, from field (15) of the DIN form 4991-94, are not transmitted by VW/Audi.

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19	Stock location	C	7	A	117-123	The 7-digit stock location marks the hall, where is to be delivered, and covers several receiving locations. At present it is only application-dependently used with Audi, it has to be back-transmitted (if transferred) from the supplier over the dispatch informations (VDA 4902, VDA 4912, VDA 4913). The stock location is completing information to the article code and no key term.
20	Blanks	M	5	A	124-128	filled with blanks

Record type 513, version 01, reconciliation and call-off dates

Pos.	Data element	C/ M	LG. BYT	A/ N	from- to	Verbal description
01	Record type	M	3	N	1-3	Constant "513"
02	Version number	M	2	N	4-5	Constant "01"
03	Date of last recorded receipt	M	6	N	6-11	In form JJMMTT. VW/Audi booked and considered in their planning recorded receipts of this article up to this date.
04	Last recorded Delivery note number	M	8	N	12-19	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.
05	Date of last recorded receipt	M	6	N	20-25	Delivery note date (shipping date) of the last receipt booked at VW/Audi, in form JJMMTT.
06	Quantity last recorded receipt	M	12	N	26-37	Quantity last recorded material receipt at VW/Audi, right-justified entry, with leading zeros. 3 decimal places, minus sign if necessary.
07	Commulative figure receipt	M	10	N	38-47	Commulative 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.
08	Call-off date 1	M	6	N	48-53	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).
09	Call-off quantity 1	M	9	N	54-62	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.
10	Call-off date 2	C	6	N	63-68	see call-off date 1
11	Call-off quantity 2	C	9	N	69-77	see call-off quantity 1
12	Call-off date 3	C	6	N	78-83	see call-off date 1
13	Call-off quantity 3	C	9	N	84-92	see call-off quantity 1
14	Call-off date 4	C	6	N	93-98	see call-off date 1
15	Call-off quantity 4	C	9	N	99-107	see call-off quantity 1
16	Call-off date 5	C	6	N	108-113	see call-off date 1
17	Call-off quantity 5	C	9	N	114-122	see call-off quantity 1
18	Blanks	M	6	A	123-128	filled with blanks

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Record type 514, version 01, further call-off dates

Pos.	Data element	C/ M	LG. BYT	A/ N	from- to	Verbal description
01	Record type	M	3	N	1-3	Constant"514"
02	Version number	M	2	N	4-5	Constant "01"
03	Call-off date 6	M	6	N	6-11	see call-off date 1, SA 513.
04	Call-off quantity 6	M	9	N	12-20	see call-off quantity 1, SA 513.
05	Call-off date 7	C	6	N	21-26	see call-off date 1
06	Call-off quantity 7	C	9	N	27-35	see call-off quantity 1
07	Call-off date 8	C	6	N	36-41	see call-off date 1
08	All-off quantity 8	C	9	N	42-50	see call-off quantity 1
09	Call-off date 9	C	6	N	51-56	see call-off date 1
10	All-off quantity 9	C	9	N	57-65	see call-off quantity 1
11	Call-off date 10	C	6	N	66-71	see call-off date 1
12	Call-off quantity 10	C	9	N	72-80	see call-off quantity 1
13	Call-off date 11	C	6	N	81-86	see call-off date 1
14	All-off quantity 11	C	9	N	87-95	see call-off quantity 1
15	Call-of date 12	C	6	N	96- 101	see call-off date 1
16	Call-off quantity 12	C	9	N	102- 110	see call-off quantity 1
17	Call-off date 13	C	6	N	111- 116	see call-off date 1
18	Call-off quantity 13	C	9	N	117- 125	see call-off quantity 1
19	Blanks	M	3	A	126- 128	filled with blanks

Note to record type " 514 ": This record type covers the call fields 6-13, on repetition of the record type the fields 14-21, 22-29, 30-37, etc..

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Record type 515, version 02, additional delivery information. The record type 515 is transferred by VW/Audi only if for the call relevant data fields are filled.

Pos.	Data element	C/ M	LG. BYT	A/ N	from- to	Verbal description
01	Record type	M	3	N	1-3	Constant"515"
02	Version number	M	2	N	4-5	Constant "02"
03	Manufacturing release, starting date	C	6	N	6-11	form JJMMTT not used by VW/Audi.
04	Manufacturing release, final date	C	6	N	12-17	form JJMMTT not used by VW/Audi.
05	Manufacturing release, cumulated requirements	C	10	N	18-27	Progress number of the manufacturing release, which is achieved at the final date (position 04). Not used by VW/Audi.
06	Material release, starting date	C	6	N	28-33	form JJMMTT not used by VW/Audi.
07	Material release, final date	C	6	N	34-39	form JJMMTT not used by VW/Audi.
08	Material release, cumulated requirements	C	10	N	40-49	Progress number of the material release, which is achieved at the final date (position 07). Not used by VW/Audi.
09	Completing article code	C	22	A	50-71	Completing article code not used by VW/Audi.
10	Intermediate supplier	C	9	A	72-80	ID number, which the customer assigns to an intermediate supplier. Not used by VW/Audi.
11	Date planning horizon	C	6	N	81-86	Final date of the planning horizon not used by VW/Audi.
12	Point of Consumption	C	14	A	87-100	The consumption point marks a specific, a part firmly assigned stock location; it is completing information to the part number with unloading point and no key term. The consumption point will transfer at present only application-dependently for Audi/Neckarsulm and Audi/Gyoer. This additional field must be transferred by the supplier in the dispatch information.
13	cumulative figure, achieved at zero position	C	10	N	101-110	Last quantity receipt cumulative figure achieved before " date for zero position " (record type 511). All data for the zero position of the receipt cumulative figure will be transferred only a limited period after date of zero position.
14	Blank	M	18	A	111-128	filled with blanks

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Record type 517, version 01, packaging data

The record type 517 is transferred by VW/Audi only if a coded package type is available for the article code in the VW/Audi database.

Pos.	Data element	C/ M	LG. BYT	A/ N	from- to	Verbal description
01	Record type	M	3	N	1-3	Constant"517"
02	Version number	M	2	N	4-5	Constant "01"
03	Packaging code customer	M	22	A	6-27	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.
04	Packaging code supplier	C	22	A	28-49	ID number, which the supplier assigns to a packaging type, left justified entry with leading zeros for type of packaging type.
05	Capacity per packaging type	M	7	N	50-56	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.
06	Blanks	M	72	A	57-128	filled with blanks

Record type 518, version 01, text data

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).

Pos.	Data element	C/ M	LG. BYT	A/ N	from- to	Verbal description
01	Record type	M	3	N	1-3	Constant"518"
02	Version number	M	2	N	4-5	Constant "01"
03	Delivery instruction text 1	M	40	A	6-45	left-justified entry
04	Delivery instruction text 2	C	40	A	46-85	left-justified entry
05	Delivery instruction text 3	K	40	A	86-125	left-justified entry
06	Blanks	M	3	A	126-128	filled with blanks

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Record type 519, version 02, trailer record delivery instruction dates

Pos.	Data element	C/ M	LG. BYT	A/ N	from- to	Verbal description
01	Record type	M	3	N	1-3	Constant"519"
02	Version	M	2	N	4-5	Constant "02"
03	Counter number	M	7	N	6-12	Number of transferred record type 511
04	Counter record type 511	M	7	N	13-19	Number of transferred record type 512
05	Counter record type 512	M	7	N	20-26	Number of transferred record type 513
06	Counter record type 513	M	7	N	27-33	Number of transferred record type 514
07	Counter record type 514	M	7	N	34-40	Number of transferred record type 517
08	Counter record type 517	M	7	N	41-47	Number of transferred record type 518
09	Counter record type 518	M	7	N	48-54	Number of transferred record type 519
10	Counter record type 519	M	7	N	55-61	Number of transferred record type 515
11	Blanks	M	67	A	62- 128	filled with blanks

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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 style="margin-left: 40px;"> <tr><td>ST</td><td>=</td><td>piece of</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	M	=	meters of	M2	=	square meters of	M3	=	cubic meters of	L	=	litre of	T	=	ton of	KG	=	kilograms	512						
ST	=	piece of																											
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 style="margin-left: 40px;"> <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: JJWWWW Requirement for the period of week WW until week WW</p> <table style="margin-left: 40px;"> <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> <p>All as JJ, MM and TT (= YY, MM, DD) used values of the number correspond to the Gregorian calendar.</p> <p>The receiver of data has to guarantee that all annual details with two digits are correctly converted with the change <u>from the year 1999 to the year 2000.</u></p>	JJMM00	Requirement for month MM	JJ00WW	Requirement for week WW	513, 514																							
JJMM00	Requirement for month MM																												
JJ00WW	Requirement for week WW																												