



Delivery Schedules

VDA 4905

Version 1.0



General definitions

This guideline based on the VDA4905 recommendation V4 (april 1996). The original VDA document can be downloaded on the following URL:

<http://www.vda.de/de/service/bestellung/downloads/4905.pdf>

Please pay attention to the following definitions in accordance with the VDA recommendation:

- Numerical fields have to be filled left-aligned with zeros
- Numerical fields have to be filled with zeroes if they are not used
- Alphanumeric fields have to be filled right-aligned with blanks
- Alphanumeric fields have to be filled with blanks if they are not used

Table Description

There is a table for each separate segment as the following sample:

P	Data Element	U	B	L	O	T	Description
01	Satzart	M	R	3	1	3	Record type Constant '511'
02	Versions-Nummer	M	R	2	4	5	Version Constant '02'

The table and it's shortens has to be read as described:

P	ongoing position-number within the segment
Data Element	element name
U	VDA usage M - Mandatory C - Conditional
B	Benteler usage R - Required O - Optional N - Not used by Benteler
L	length - in digits
O	offset - starting position within the segment-row
T	to - ending position within the segment-row
Description	description



Message Description

Rec	Ver	U	R	Description
511	02	M	1	Vorsatz Lieferabrufdaten <i>Header record delivery instruction</i>
512	01	M	1	Einmalige Datenelemente des Lieferabrufs <i>Unique data to the delivery instruction</i>
513	01	M	1	Abgrenzungs- und Abrufdaten <i>Reconciliation and call-off data</i>
514	01	C	x	Weitere Abrufdaten <i>Additional call-off data</i>
515	01	C	1	Zusatz-LAB-Informationen <i>Complementary data delivery call</i>
517	01	C	x	Packmitteldaten <i>Packaging data</i>
518	01	C	x	Textdaten <i>Text data</i>
519	02	M	1	Nachsatz Lieferabrufdaten <i>Trailer record delivery instruction</i>

The record types 515, 517 and 518 will not be used by Benteler. Record types which are marked with '1' in the field <R> (Repeat) has only be transmitted 1 time per delivery instruction. Record types which are marked with 'x' in this field can repeat several times per delivery instruction.


Satzart 511 - Vorsatz Lieferabrufdaten (Header record delivery instruction)

P	Data Element	U	B	L	O	T	Description
01	Satzart	M	R	3	1	3	Record type Constant '511'
02	Versions-Nummer	M	R	2	4	5	Version Constant '02'
03	Kunden-Nummer	M	R	9	6	14	Customer reference number
04	Lieferanten-Nummer	M	R	9	15	23	Supplier reference number
05	Uebertragungs-Nr-Alt	M	R	5	24	28	Last transmission number
06	Uebertragungs-Nr-Neu	M	R	5	29	33	Actual transmission number
07	Uebertragungs-Datum	M	R	6	34	39	Date of transmission (Format YYMMDD)
08	Datum-Nullstellung Eingangsfortschrittszahl	C	N	6	40	45	Starting date of cumulative receipt quantity <i>not used by Benteler</i>
09	Leerzeichen	M	R	83	46	128	filled with blanks


Satzart 512 - Einmalige Datenelemente des Lieferabrufs (Unique data to the article codes)

P	Data Element	U	B	L	O	T	Description
01	Satzart	M	R	3	1	3	Record type Constant '512'
02	Versions-Nummer	M	R	2	4	5	Version Constant '01'
03	Werk-Kunde	M	R	3	6	8	Customer plant number
04	Lieferabruf-Nummer neu	M	R	9	9	17	Actual delivery instruction number
05	Lieferabruf-Datum neu	M	R	6	18	23	Actual delivery instruction date (Format YYMMDD)
06	Lieferabruf-Nummer alt	M	O	9	24	32	Last delivery instruction number
07	Lieferabruf-Datum alt	M	O	6	33	38	Last delivery instruction date (Format YYMMDD)
08	Sachnummer-Kunde	M	R	22	39	60	Customer article number (Benteler material number)
09	Sachnummer-Lieferant	C	N	22	61	82	Supplier article number <i>not used by Benteler</i>
10	Abschluß-/Bestell-Nr	C	R	12	83	94	Contractual purchase order number (Benteler delivery plan number)
11	Abladestelle	M	R	5	95	99	Unloading point
12	Zeichen des Kunden	M	R	4	100	103	Customer internal code
13	Mengeneinheit	M	R	2	104	105	Quantity unit of measure 'ST' = piece
14	Anlieferungs-Intervall	M	R	1	106	106	Delivery frequency 'L' = in accordance with delivery date
15	Fertigungsfreigabe	C	O	1	107	107	Manufacturing release
16	Materialfreigabe	C	O	1	108	108	Material release
17	Verwendungsschlüssel	M	R	1	109	109	Requirement code 'S' = series
18	Kontierungsschlüssel	C	N	7	110	116	Account Key <i>not used by Benteler</i>
19	Lager	C	N	7	117	123	Stock <i>not used by Benteler</i>
20	Abschluß-/Bestell.Pos.	M	R	5	124	128	Contractual purchase order position number (Benteler delivery plan position number) ^{*1}

^{*1} Contractual purchase order position number [Element 512_20]

In standard VDA 4905 the field 512_20 has only 3 digits, followed by field 512_21 filled with 2 blanks. As the contractual purchase order position number can have more digits within the internal ERP system from Benteler those both fields will be used in combination to have the possibility to use 5 digits.


Satzart 513 - Abgrenzungs- und Abrufdaten (Reconciliation and call-off data)

P	Data Element	U	B	L	O	T	Description
01	Satzart	M	R	3	1	3	Record type Constant '513'
02	Versions-Nummer	M	R	2	4	5	Version Constant '01'
03	Erfassungs-Datum letzter Wareneingang	M	O	6	6	11	Entry date of the last goods receipt (Format YYMMDD)
04	Lieferschein-Nr. letzter Wareneingang	M	O	8	12	19	Delivery note number of the last stock receipt
05	Lieferschein-Datum letzter Wareneingang	M	O	6	20	25	Delivery date of the last goods receipt (Format YYMMDD)
06	Menge letzter Wareneingang	M	O	12	26	37	Quantity of the last goods receipt
07	Eingangs-Fortschrittszahl	M	R	10	38	47	Cumulated receipt quantity
08	Abrufdatum 1	M	R	6	48	53	Delivery date (Format YYMMDD)
09	Abrufmenge 1	M	R	9	54	62	Delivery quantity
10	Abrufdatum 2	C	O	6	63	68	Delivery date (Format YYMMDD)
11	Abrufmenge 2	C	O	9	69	77	Delivery quantity
12	Abrufdatum 3	C	O	6	78	83	Delivery date (Format YYMMDD)
13	Abrufmenge 3	C	O	9	84	92	Delivery quantity
14	Abrufdatum 4	C	O	6	93	98	Delivery date (Format YYMMDD)
15	Abrufmenge 4	C	O	9	99	107	Delivery quantity
16	Abrufdatum 5	C	O	6	108	113	Delivery date (Format YYMMDD)
17	Abrufmenge 5	C	O	9	114	122	Delivery quantity
18	Leerzeichen	M	R	6	123	128	filled with blanks


Satzart 514 - Weitere Abrufdaten (Additional call-off data)

P	Data Element	U	B	L	O	T	Description
01	Satzart	M	R	3	1	3	Record type Constant '514'
02	Versions-Nummer	M	R	2	4	5	Version Constant '01'
03	Abrufdatum 6	M	R	6	6	11	Delivery date (Format YYMMDD)
04	Abrufmenge 6	M	R	9	12	20	Delivery quantity
05	Abrufdatum 7	C	O	6	21	26	Delivery date (Format YYMMDD)
06	Abrufmenge 7	C	O	9	27	35	Delivery quantity
07	Abrufdatum 8	C	O	6	36	41	Delivery date (Format YYMMDD)
08	Abrufmenge 8	C	O	9	42	50	Delivery quantity
09	Abrufdatum 9	C	O	6	51	56	Delivery date (Format YYMMDD)
10	Abrufmenge 9	C	O	9	57	65	Delivery quantity
11	Abrufdatum 10	C	O	6	66	71	Delivery date (Format YYMMDD)
12	Abrufmenge 10	C	O	9	72	80	Delivery quantity
13	Abrufdatum 11	C	O	6	81	86	Delivery date (Format YYMMDD)
14	Abrufmenge 11	C	O	9	87	95	Delivery quantity
15	Abrufdatum 12	C	O	6	96	101	Delivery date (Format YYMMDD)
16	Abrufmenge 12	C	O	9	102	110	Delivery quantity
17	Abrufdatum 13	C	O	6	111	116	Delivery date (Format YYMMDD)
18	Abrufmenge 13	C	O	9	117	125	Delivery quantity
19	Leerzeichen	M	R	3	126	128	filled with blanks

If a record type 514 will be transmitted, at least the first delivery date and delivery quantity has to be filled. Otherwise the record type should not be transmitted!


Satzart 519 - Nachsatz Lieferabrufdaten (Trailer record delivery instruction)

P	Data Element	U	B	L	O	T	Description
01	Satzart	M	R	3	1	3	Record type Constant '519'
02	Versions-Nummer	M	R	2	4	5	Version Constant '02'
03	Zaehler Satzart 511	M	R	7	6	12	Record counter for 511 records
04	Zaehler Satzart 512	M	R	7	13	19	Record counter for 512 records
05	Zaehler Satzart 513	M	R	7	20	26	Record counter for 513 records
06	Zaehler Satzart 514	M	R	7	27	33	Record counter for 514 records
07	Zaehler Satzart 517	M	R	7	34	40	Record counter for 517 records
08	Zaehler Satzart 518	M	R	7	41	47	Record counter for 518 records
09	Zaehler Satzart 519	M	R	7	48	54	Record counter for 519 records
10	Zaehler Satzart 515	M	R	7	55	61	Record counter for 515 records
11	Leerzeichen	M	R	67	62	128	filled with blanks



Version History

Version	Date	Change
1.0	26.01.2004	Initial Version
1.1	25.03.2004	Update 512_20 / 512_21
1.2	24.01.2005	Addition 512_15 - manufacturing release Addition 512_16 - material release

