EDI-Guideline

Version 1.1

date 2013/03

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2. Revision record

Version	Comments	Name	Date
1.0	Create english version	GETRAG EDI-Team	05.2012
	Update unloading points, Call-off date	Karin Franke, HP	08.2012
1.1	Correct description in 512/04 and 512/06: 'Left bound without leading zeros'	Ulrich Zöllkau, hp	21.03.2013

3. VDA4905 – Delivery schedule

The transmissions of the delivery schedule data per EDI follow the rules of the recommendation „VDA 4905", release July 1996.

4. Message structure

4.1. Delivery schedule

Rec. type	Remark	Used by GETRAG
511	Header record delivery instruction	Yes
512	Unique data to the article codes	Yes
513	Reconciliation and call-off data	Yes
514	Additional call-off data	Yes
515	Complementary data delivery call	Yes
517	Packaging data	Yes
518	Text data	Yes
519	Trailer record delivery instruction	Yes

4.2. Record types

4.2.1.   Rec. type 511 – Header record delivery instruction

Status: Mandatory
Version: 02
Occurences: One per logical data-communication
                     Must be first set of logical data-communication

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
01	Record type	M	3	N	1 – 3	Constant '511'
02	Version number	M	2	N	4 – 5	Constant '01'
03	Customer code	M	9	AN	6 – 14	Code which the supplier assigns to a customer – see Appendix 1
04	Supplier code	M	9	AN	15 – 23	Code which the customer assigns to the supplier – see Appendix 2
05	Transmission number old	M	5	N	24 – 28	
06	Transmission number new	M	5	N	29 – 33	
07	Transmission date	M	6	N	34 – 39	In form: JJMMTT = YYMMDD
08	Starting date Cumulative figure receipt	C	6	AN	40 – 45	In form: JJMMTT = YYMMDD
09	Blanks	M	83	A	46 – 128	Filled with blanks

4.2.2.   Rec. type 512 – Unique data to the article codes

Status: Mandatory
Version: 01
Occurences: One per key: article code, plant customer, part number, unloading point
                     Follows after 511
                     Can follow after 513, 514, 517, 518

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
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	AN	6 – 8	See separate PDF file 'Unloading_C_address_list.pdf'
04	Delivery call-off number new	M	9	AN	9 – 17	The delivery call-off number

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
						new is assigned per article code numerically and continuously ascending. Left bound without leading zeros
05	Delivery call-off date new	M	6	N	18 – 23	In form JJMMTT = YYMMDD; related to pos. 04
06	Delivery call-off number old	M	9	N	24 – 32	See delivery call-off number new
07	Delivery call-off date old	M	6	N	33 – 38	In form JJMMTT = YYMMDD; related to pos. 06
08	Article code customer	M	22	AN	39 – 60	The part number is transferred left justified
09	Article code supplier	C	22	AN	61 – 82	
10	Order number	C	12	N	83 – 94	The customer order number is assigned originally with the (yearly) inquiry by the procurement. In the delivery note the part number indicated in the delivery instruction is absolutely to be used.
11	Unloading point (Dock / Gate)	M	5	AN	95 – 99	Unloading point (Dock/Gate) marks the detailed unloading area in the plant in encoded form, in which the material is to be loaded. See separate PDF file: 'Unloading_C_address_list.pdf'
12	Customer clerk identifier	M	4	AN	100 – 103	
13	Quantity unit of measurement	M	2	AN	104 – 105	Encoded form
14	Delivery frequency	M	1	AN	106	Encoded form
15	Manufactoring release	C	1	N	107	Number of months excluding deadline month
16	Material release	C	1	N	108	Number of months excluding deadline month
17	Requirement code	M	1	AN	109	Encoded form
18	Account key	C	7	AN	110 – 116	Complementary data of the customer, from field (15) of the DIN form 4991-94
19	Place of delivery / Stock location	C	7	AN	117 – 123	Place of delivery, left justified code entry with 3 digits. A 4-digit storage location may be added
20	Blanks	M	5	AN	124 – 128	Filled with blanks

4.2.3.   Rec. type 513 – Reconciliation and call-off data

Status: Mandatory
Version: 01
Occurences: One per article code, plant customer
                     Follows after 512

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
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
04	Last recorded delivery note number	M	8	N	12 – 19	Delivery note number of the last material receipt with this article

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
						code, right-justified entry with leading zeros
05	Date of last recorded receipt	M	6	N	20 – 25	Delivery note date (shipping date) of the last receipt in form JJMMTT
06	Quantity last recorded	M	12	N	26 – 37	Quantity last recorded material receipt, right-justified entry with leading zeros
07	Commulative figure receipt	M	10	N	38 – 47	Commulative figure, which contains all booked receipts starting from „date zero position input progress number" transmitted in SA 511 up to the calculation of requirements for the current delivery call
08	Call-off date 1	M	6	N	48 – 53	Goods arrival date in the receiving area related to the „call-off quantity 1" – Description of specific VDA-date-qualifier: see Appendix 3
09	Call-off quantity 1	M	9	N	54 – 62	Contains the call-off quantity 1
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	AN	123 – 128	Filled with blanks

4.2.4. Rec. type 514 – Additional call-off data

Status: Conditional
Version: 01
Occurences: Multiple per article code, plant customer
                     Can follow after 513, 514

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
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	Call-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	Call-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	Call-off quantity 11	C	9	N	87 – 95	See call-off quantity 1
15	Call-off 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

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
18	Call-off quantity 13	C	9	N	117 – 125	See call-off quantity 1
19	Blanks	M	3	AN	126 – 128	Filled with blanks

4.2.5. Rec. type 515 – Complementary data delivery call

Status: Conditional
Version: 02
Occurences: One per article code / plant customer
                 Follows after 514

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
01	Record type	M	3	N	1 – 3	Constant '515'
02	Version number	M	2	N	4 – 5	Constant '01'
03	Manufacturing release, starting data	C	6	N	6 – 11	Form JJMMTT
04	Manufacturing release, final data	C	6	N	12 – 17	Form JJMMTT
05	Manufacturing release, cumulated requirements	C	10	N	18 – 27	Progress number of the manufacturing release, which is achieved at the final date (pos. 04)
06	Material release, starting date	C	6	N	28 – 33	Form JJMMTT
07	Material release, final date	C	6	N	34 – 39	Form JJMMTT
08	Material release, cumulated requirements	C	10	N	40 – 49	Progress number of the material release, which is achieved at the final date (pos. 07)
09	Completing article code	C	22	AN	50 – 71	
10	Intermediate supplier	C	9	AN	72 – 80	ID number which the customer assigns to an intermediate supplier
11	Date planning horizon	C	6	N	81 – 86	Final date of the planning horizon
12	Point of consumption	C	14	AN	87 – 100	The consumption point marks a specific, a part firmly assigned stock location
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)
14	Blanks	M	18	AN	111 – 128	Filled with blanks

4.2.6. Rec. type 517 – Packaging data

Status: Conditional
Version: 01
Occurences: Multiple per article code, plant customer
                 Can follow after 513, 514, 515, 517 (transfer only if there is a packing regulation for the

article code)

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
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	AN	6 – 27	ID number, which the customer assigns to a packaging type, left-justified
04	Packaging code supplier	C	22	AN	28 – 49	ID number, which the supplier assigns to a packaging type, left-justified

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
05	Capacity per packaging type	M	7	AN	50 – 56	Packaging type for the article code assigned amount of filling in the measure unit of SA 512, pos.13, right-justified entry with leading zeros
06	Blanks	M	72	AN	57 – 128	Filled with blanks

4.2.7. Rec. type 518 – Text data

Status: Conditional
Version: 01
Occurences: Multiple per article code, plant customer
                       Can follow after 513, 514, 515, 517, 518 (transfer only if necessary)

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
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	AN	6 – 45	Left-justified entry
04	Delivery instruction text 2	C	40	AN	46 – 85	Left-justified entry
05	Delivery instruction text 3	C	40	AN	86 – 125	Left-justified entry
08	Blanks	M	3	AN	126 – 128	Filled with blanks

4.2.8. Rec. type 519 – Trailer record delivery instruction

Status: Mandatory
Version: 02
Occurences: One per logical data-communication
                       Can follow after 513, 514, 515, 517, 518

Pos.	VDA – field description	M/C	Length	Attr	Column from - to	GETRAG – Definitions
01	Record type	M	3	N	1 – 3	Constant '519'
02	Version number	M	2	N	4 – 5	Constant '02'
03	Counter record type 511	M	7	N	6 – 12	Number of transferred record type 511
04	Counter record type 512	M	7	N	13 – 19	Number of transferred record type 512
05	Counter record type 513	M	7	N	20 – 26	Number of transferred record type 513
06	Counter record type 514	M	7	N	27 – 33	Number of transferred record type 514
07	Counter record type 517	M	7	N	34 – 40	Number of transferred record type 517
08	Counter record type 518	M	7	N	41 – 47	Number of transferred record type 518
09	Counter record type 519	M	7	N	48 – 54	Number of transferred record type 519
10	Counter record type 515	M	7	N	55 – 61	Number of transferred record type 515
11	Blanks	M	67	AN	62 – 128	Filled with blanks

5. Appendix

5.1. Appendix 1: Structure of customer number

GETRAG use the DUNS number as customer number.
This varies due to the GETRAG location:

GETRAG location	Address data purchasing organization	DUNS NUMBER
Germany	GETRAG Getriebe und Zahnradfabrik Hermann Hagenmeyer GmbH & Cie KG GETRAG InnovationsCenter Hermann-Hagenmeyer-Straße 74199 Untergruppenbach Deutschland	316134501
Italy	GETRAG S.p.A. Via dei Ciclamini, 4 70026 Modugno (Bari) Italy	629797713
Getrag Slowakia	GETRAG s.r.o. Perínska cesta 282 044 58 Kechnec Slovak Republic	888591703
GFTK Slowakia	GETRAG FORD Transmissions Slovakia s.r.o. Perínska cesta 282 044 58 Kechnec Slovak Republic	888919938
Getrag Americas (Mexico)	GETRAG Americas GmbH Schützengraben 20 8200 Schaffhausen Schweiz	481295454

These DUNS numbers are used as sender ID in the DELFOR messages and expected as receiver ID in the DESADV messages.

5.2. Appendix 2: Structure of supplier number

Depending on the GETRAG location the supplier number in the GETRAG system is enlarged by a one character suffix; structure LLLLLLLLS   (L = supplier number, S = suffix (or empty))
E,g.: 91012345G

GETRAG location	Address data purchasing organization	Suffix	Comment
Germany	GETRAG Getriebe und Zahnradfabrik Hermann Hagenmeyer GmbH & Cie KG GETRAG InnovationsCenter Hermann-Hagenmeyer-Straße 74199 Untergruppenbach Deutschland		No suffix
Italy	GETRAG S.p.A. Via dei Ciclamini, 4 70026 Modugno (Bari) Italy		No suffix
Getrag Slowakia	GETRAG s.r.o. Perínska cesta 282 044 58 Kechnec Slovak Republic	E	
GFT Slowakia	GETRAG FORD Transmissions Slovakia s.r.o. Perínska cesta 282	G	

	044 58 Kechnec Slovak Republic		
Getrag Americas	GETRAG Americas GmbH Schützengraben 20 8200 Schaffhausen Schweiz	M	Mexico

These supplier numbers including the suffix are used as receiver ID in the DELFOR messages and expected as sender ID in the DESADV messages.

5.3. Appendix 3: Description date qualifier

The Call-off date occurs in record type 513 and 514.

Form	Key content
JJMMTT	Means: Current date as arriving date
000000	Identifies the last call field in an item number in the present delivery schedule. The corresponding quantity field, as well as all other fetch fields of the record are BLANK.
222222	Indicates that no need exists for the item number. The corresponding quantity field, as well as all other fetch fields of this record type are BLANK.
333333	Identifies the corresponding amount as BACKLOG.
444444	Identifies the corresponding amount as IMMEDIATELY NEED
555555	Indicates that the next call fields contain call quantity which relate to the period specified in the retrieval date. The corresponding quantity field is set to "Zero". If all quantities of an item number relate to periods, the first call field begins with '555555'.
JJWWWW	Requirements for the period from week WW until week WW
JJMM00	Requirements for month MM
JJ00WW	Requirements for week WW
999999	Identifies the quantity field that can contain the preview quantities of several months in the delivery schedule under the date of "Rest".

All used values as JJ, MM and TT correspond to the Gregorian calendar.

6. Example

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5110110005503 25130610 0381103812120610
5120102000000001341206100000001331206097843808-01                6262883   24840702
STL10SF    523
5130112052580410792120525000000028000000000248612061800000002812061900000002412062000000
00028120621000000024120622000000024
514011206250000000241206260000000024120627000000002000000
51502                              ESK081
51201020000000231206100000000221206097843811-01                6410911   24840202
STL10SF    523
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