**Adient**

**Global EDI Clearing Center and Center of Excellence**

**EDI Guideline**

**VDA4905**

**Delivery Schedule**

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**1 – Purpose and Principles**

The Adient Message Guide VDA4905 (English version) is valid for all Adient plants served by the Global EDI Clearing Center (GECC) and CoE EDI.

The VDA4905 delivery schedule must match the requirements and specifications described in this document.

The aims of the EDI Delivery Schedule (VDA4905) specified in this document are:

* Quick data transmission
* Enhancement of data quality by avoidance of data entry errors
* Minimise manual work during the ordering procedure

**2 – Message Definitions**

Adient follows the VDA recommendation 4905 for delivery schedule.

Codes, packaging and other logic have to be used according to the VDA publications.

The original VDA4905 message guides (German version) can be found on the official VDA web page <http://www.vda.de> .

1. **– Message structure**

Allowed segment sequence in VDA4905 messages

512

M

1

511

M

1

519

1

M

513

M

1

515

C

1

514

C

R

517

C

R

518

C

5

**Segment**

XXX

X

X

**1 = once**

**R = repeatable**

**M = Mandatory**

**C = Conditional**

|  |  |
| --- | --- |
| 511 | Must be the first record of a logical transmission |
| 512 | Must follow after 511 and can follow 513, 514, 515, 517 or 518 |
| 513 | Must follow after 512 |
| 514 | Can follow after 513 or 514 ( call – off dates must be in ascending order)\* |
| 515 | Can follow after 513 or 514 |
| 517 | Can follow after 513, 514, 515 or 517 |
| 518 | Can follow after 513, 514, 515, 517 or 518 |
| 519 | Can follow after 513, 514, 515, 517 or 518 and **needs** to be the last record of a logical transmission |

\*Exceptions are formed for the keys 000000, 222222, 333333, 444444, 555555.

**Segment overview**

|  |  |  |  |
| --- | --- | --- | --- |
| Record Type | Content | State | Occurence |
| 511 | Interchange Header | M |  |
| 512 | Onetime Data of Delivery Schedule | M |  |
| 513 | Call – off Data | M |  |
| 514 | Further Call – Off Data | C |  |
| 515 | Additional Call – Off Data | C |  |
| 517 | Packaging Data | C |  |
| 518 | Delivery Schedule Text | C |  |
| 519 | Interchange Trailer | M |  |

State: M = Mandatory

C = Conditional

* 1. **Description of data records**

**Record Type 511 – Interchange Header**

**Usage: Mandatory Record / once per transmission**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Element | A/N | Byte | M/C | Position | Description |
| 01 | Record Type | N | 3 | M | 1-3 | `511` |
| 02 | Version Number | N | 2 | M | 4-5 | `02` |
| 03 | Customer Number | A | 9 | M | 6-14 | Assigned by Adient |
| 04 | Supplier Number | A | 9 | M | 15-23 | Assigned by Adient |
| 05 | Transmission Number Old | N | 5 | M | 24-28 | Right-justified with leading Zeros |
| 06 | Transmission Number New | N | 5 | M | 29-33 | Right-justified with leading Zeros |
| 07 | Transfer Date | N | 6 | M | 34-39 | YYMMDD |
| 08 | Date – receipt number reset | N | 6 | C | 40 -45 |  |
| 09 | Blank | A | 83 | M | 46-128 |  |

C = Conditional, M=Mandatory, A=Alphanumeric, N=Numeric

Example:

**Record Type 512 – Onetime Data of Delivery Schedule**

**Usage: Mandatory Record / once per transport**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Element | A/N | Byte | M/C | Position | Description |
| 01 | Record Type | N | 3 | M | 1-3 | `512` |
| 02 | Version Number | N | 2 | M | 4-5 | `01` |
| 03 | Plant-customer | A | 3 | M | 6-8 |  |
| 04 | Delivery Schedule Number New | N | 9 | M | 9-17 |  |
| 05 | Delivery Schedule Date New | N | 6 | M | 18-23 |  |
| 06 | Delivery Schedule Number Old | N | 9 | C | 24-32 |  |
| 07 | Delivery Schedule Date Old | N | 6 | C | 33-38 |  |
| 08 | Article Number Customer | A | 22 | M | 39-60 |  |
| 09 | Article Number Supplier | A | 22 | C | 61-82 |  |
| 10 | Purchase Order Number | A | 12 | C | 83-94 |  |
| 11 | Unloading Point | A | 5 | C | 95-99 |  |
| 12 | Sign of the Customer | A | 4 | C | 100-103 |  |
| 13 | Quantity Unit of Measure (UoM) | A | 2 | M | 104-105 |  |
| 14 | Delivery – Interval | A | 1 | C | 106 |  |
| 15 | Production go-ahead | N | 1 | C | 107 |  |
| 16 | Material go-ahead | N | 1 | C | 108 |  |
| 17 | Requirement code | A | 1 | C | 109 |  |
| 18 | Allocation Key | A | 7 | C | 110-116 |  |
| 19 | Inventory | A | 7 | C | 117-123 |  |
| 20 | Blank | A | 5 | M | 124-128 |  |

C = Conditional, M=Mandatory, A=Alphanumeric, N=Numeric

**Record Type 513 – Call – off Data**

**Usage: Mandatory Record / once per article and plant**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Element | A/N | Byte | M/C | Position | Description |
| 01 | Record Type | N | 3 | M | 1-3 | `513` |
| 02 | Version Number | N | 2 | M | 4-5 | `01` |
| 03 | Entry Date last receipt | N | 6 | C | 6-11 |  |
| 04 | Delivery Note Number last receipt | N | 8 | C | 12-19 |  |
| 05 | Delivery Note Date last receipt | N | 6 | M | 20-25 | YYMMDD, if position 4 is used |
| 06 | Quantity last receipt | N | 12 | M | 26-37 | if position 4 used, right-justified with  leading zeros, three digits after  decimal point, negative value allowed |
| 07 | Cumulated receipts | N | 10 | M | 28-47 | if position 4 used, right-justified with  leading zeros, three digits after  decimal point, negative value allowed |
| 08 | Call – off date 1 | N | 6 | M | 48-53 | See \*1 & \*2 |
| 09 | Call – off quantity 1 | N | 9 | M | 54-62 | right-justified with leading zeros, no  digit after decimal point, negative  value not allowed |
| 10 | Call – off date 2 | N | 6 | C | 63-68 |  |
| 11 | Call – off quantity 2 | N | 9 | C | 69-77 |  |
| 12 | Call – off date 3 | N | 6 | C | 78-83 |  |
| 13 | Call – off quantity 3 | N | 9 | C | 84-92 |  |
| 14 | Call – off date 4 | N | 6 | C | 93-98 |  |
| 15 | Call – off quantity 4 | N | 9 | C | 99-107 |  |
| 16 | Call – off date 5 | N | 6 | C | 108-113 |  |
| 17 | Call – off quantity 5 | N | 9 | C | 114-122 |  |
| 18 | Blank | A | 6 | M | 123-128 |  |

C = Conditional, M=Mandatory, A=Alphanumeric, N=Numeric

**\*1 = Date syntax**

Date entry:

Day YYMMDD 100913 = 13.09.2010

Weeks as limits YYWWWW 103538 = Calendar week 35-38 in 2010

Week as deadline YY00WW 100035 = CW 35 in 2010

Month as deadline YYMM00 100900 = September 2010

\*2 = Date Code List

|  |  |
| --- | --- |
| **Code** | **Explanation** |
| '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. |
| '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. |
| '333333' | Indicates the related quantity as back order. |
| '444444' | Indicates the related quantity as immediate requirements. |
| '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 '. |
| '999999' | Indicates the quantity field, which can contain the preview quantities of several months in the delivery call under the date " remainder ". |

**Record Type 514 – Further Call – Off Data**

**Usage: Optional Record / n -times per delivery note (record type 513)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Element | A/N | Byte | M/C | Position | Description |
| 01 | Record Type | N | 3 | M | 1-3 | `514` |
| 02 | Version Number | N | 2 | M | 4-5 | `01` |
| 03 | Call – off date 6 | N | 6 | C | 6-11 |  |
| 04 | Call – off quantity 6 | N | 9 | C | 12-20 |  |
| 05 | Call – off date 7 | N | 6 | C | 21-26 |  |
| 06 | Call – off quantity 7 | N | 9 | C | 27-35 |  |
| 07 | Call – off date 8 | N | 6 | C | 36-41 |  |
| 08 | Call – off quantity 8 | N | 9 | C | 42-50 |  |
| 09 | Call – off date 9 | N | 6 | C | 51-56 |  |
| 10 | Call – off quantity 9 | N | 9 | C | 57-65 |  |
| 11 | Call – off date 10 | N | 6 | C | 66-71 |  |
| 12 | Call – off quantity 10 | N | 9 | C | 72-80 |  |
| 13 | Call – off date 11 | N | 6 | C | 81-86 |  |
| 14 | Call – off quantity 11 | N | 9 | C | 87-95 |  |
| 15 | Call – off date 12 | N | 6 | C | 96-101 |  |
| 16 | Call – off quantity 12 | N | 9 | C | 102-110 |  |
| 17 | Call – off date 13 | N | 6 | C | 111-116 |  |
| 18 | Call – off quantity 13 | N | 9 | C | 117-125 |  |
| 19 | Blanks | A | 3 | M | 126-128 |  |

C = Conditional, M=Mandatory, A=Alphanumeric, N=Numeric

**Record Type 515 – Additional Call - Off Data**

**Usage: Optional Record / once per article and plant**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Element | A/N | Byte | M/C | Position | Description |
| 01 | Record Type | N | 3 | M | 1-3 | `515` |
| 02 | Version Number | N | 2 | M | 4-5 | `02` |
| 03 | Production go-ahead, start date | N | 6 | C | 6-11 | YYMMDD |
| 04 | Production go-ahead, end date | N | 6 | C | 12-17 | YYMMDD |
| 05 | Production go-ahead, cum. Quantity | N | 10 | C | 18-27 | right-justified with leading zeros, no  digit after decimal point, negative  value not allowed |
| 06 | Material go-ahead, start date | N | 6 | C | 28-33 | YYMMDD |
| 07 | Material go-ahead, end date | N | 6 | C | 34-39 | YYMMDD |
| 08 | Material go-ahead, cum. Quantity | N | 10 | C | 40-49 | right-justified with leading zeros, no  digit after decimal point, negative  value not allowed |
| 09 | FPSD – Number | A | 22 | C | 50-71 |  |
| 10 | Sub – supplier | A | 9 | C | 72-80 |  |
| 11 | Date Planning horizon | N | 6 | C | 81-86 |  |
| 12 | Place of consumption | A | 14 | C | 87-100 |  |
| 13 | Cumulated receipts reached at last reset | N | 10 | C | 101-110 |  |
| 14 | Blanks | A | 18 | M | 111-128 |  |

C = Conditional, M=Mandatory, A=Alphanumeric, N=Numeric

**Record Type 517 – Packaging Data**

**Usage: Optional Record / n- times per article and plant**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Element | A/N | Byte | M/C | Position | Description |
| 01 | Record Type | N | 3 | M | 1-3 | `517` |
| 02 | Version Number | N | 2 | M | 4-5 | `01` |
| 03 | Identity number customer for package | A | 22 | M | 6-27 |  |
| 04 | Identity number supplier for package | A | 22 | C | 28-49 |  |
| 05 | Capacity | N | 7 | M | 50-56 |  |
| 06 | Blanks | A | 72 | M | 57-128 |  |

C = Conditional, M=Mandatory, A=Alphanumeric, N=Numeric

**Record Type 518 – Delivery Schedule Text**

**Usage: Optional Record / five - times per article and plant**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Element | A/N | Byte | M/C | Position | Description |
| 01 | Record Type | N | 3 | M | 1-3 | `518` |
| 02 | Version Number | N | 2 | M | 4-5 | `01` |
| 03 | Delivery Schedule Text 1 | A | 40 | M | 6-45 |  |
| 04 | Delivery Schedule Text 2 | A | 40 | C | 46-85 |  |
| 05 | Delivery Schedule Text 3 | A | 40 | C | 86-125 |  |
| 06 | Blanks | A | 3 | M | 126-128 |  |

**Record Type 519 – Interchange Trailer**

**Usage: Mandatory Record / once per transmission**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No | Element | A/N | Byte | M/C | Position | Description |
| 01 | Record Type | N | 3 | M | 1-3 | `519` |
| 02 | Version Number | N | 2 | M | 4-5 | `02` |
| 03 | Counter record Type 511 | N | 7 | M | 6-12 |  |
| 04 | Counter record Type 512 | N | 7 | M | 13-19 |  |
| 05 | Counter record Type 513 | N | 7 | M | 20-26 |  |
| 06 | Counter record Type 514 | N | 7 | M | 27-33 |  |
| 07 | Counter record Type 517 | N | 7 | M | 34-40 |  |
| 08 | Counter record Type 518 | N | 7 | M | 41-47 |  |
| 09 | Counter record Type 519 | N | 7 | M | 48-54 |  |
| 10 | Counter record Type 515 | N | 7 | M | 55-61 |  |
| 11 | Blank | N | 67 | M | 62-128 |  |

C = Conditional, M=Mandatory, A=Alphanumeric, N=Numeric

1. **– VDA4905 segment overview**

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**6 – Document History**

|  |  |  |  |
| --- | --- | --- | --- |
| Version | Date | Comment | Author |
| 1.0 | 15.09.2010 | Document creation | T. Diedershagen |
| 1.1 | 22.09.2010 | Review | H.-U. Berger |
| 1.2 | 10.05.2016 | Modified JCI or Johnson Controls references to be Adient. Removed JCI logo and added Adient logo. | Hemant Bhardwaj |
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