



Volkswagen VDA4913

Message Implementation Guideline

Version:	1.0
Variant:	KommLag
Basic:	VDA 4913_VW
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1 Preface

This Guideline is based on VDA 4913 and is adapted to the process of preparation of the daily cumulated delivery note (TSL) at VOLKSWAGEN.

In the consignment stock process, the daily cumulated delivery note serves as the basis for the financial settlement with the supplier.

The following Figure 1 describes the significance of the TSL in the consignment stock process:

1. When dispatching the goods to a consignment stock, the supplier sends VOLKSWAGEN a delivery note by remote data transfer in the form given in VDA 4913 or DESADV (see Figure 1.).
2. VOLKSWAGEN sends a VDA 4913 TSL_Komm. to the supplier each day. This message contains incoming goods, stock levels and outgoing goods for the consignment stock. A distinction is made between the different operations by the operation code (operation type) 30, 35, 36.

When considering the inventory management of a material, the supplier first receives the information about the incoming goods, and then the stock level (2.a).

When the goods leave the consignment stock, ownership is transferred (2.b).

This process is triggered by an internal stock retrieval. The following TSL_Komm. contains the stock issue for the material. The credits are prepared by VOLKSWAGEN on this basis.

All operation types are transmitted in a single file.

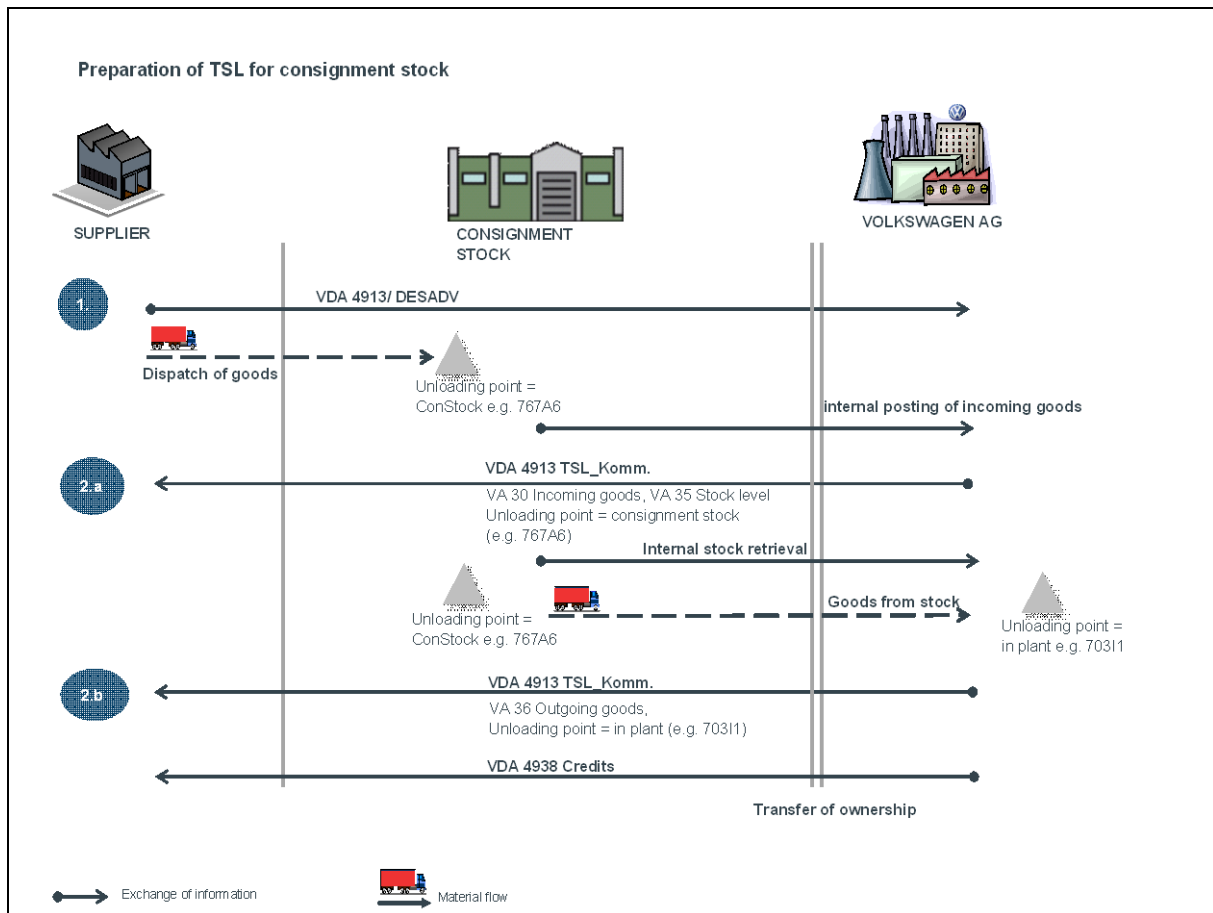


Figure 1: Preparation of TSL for consignment stock

The OFTP parameters and the virtual file names are given at http://www.vwgroupsupply.com/b2bpublish/zusammenarbeit/edi/oftp_parameter.html

Notes on column headings and designations of data fields.

Status:

M = Muss (Mandatory)

K = Kann (Conditional)

N = Nicht genutzt (Not used)

Format:

A = Alphanumeric (fields to be completed from left)

N = Numeric (fields to be completed right-justified with zeros before as necessary)

Record types and record type sequence of delivery note and transport data.

Supplier – VW Delivery note

Rec Type	Version	M/C	Rep	Data	Content
711	02-04	M	1		The header record of the delivery note and transport data set contains transmission related data (once per transmission)
712	03	M	1		One-off data elements of shipment (once per shipment) must follow 711 may follow 714, 715
713	03	M	1		One-off data elements of delivery note (header data) must follow 712 may follow 714, 715
714	02/03	M	R		Item data of delivery note (once per delivery note item) must follow 713 may follow 714, 715
716	02	C	1		Text data on item may follow 714 Audi expects here the "Engineering Change Status" information (not used at present by VW)
715	02/03	M	1		Packaging material data (must follow each delivery note item once) may follow 714, 716 or 715
717	01	C	1		Individual packaging data (not used in the suppliers' transmissions)
718	01	C	R		Production number data (Lamborghini only)
719	02	M	1		Trailer label record containing delivery note and transport data (once per transmission) must follow 715 or 714

Instructions for the column headers and codes of the data fields.

Key M = Must (Mandatory)

K = May (Conditional)

A = Alpha numeric (Text in tables must be left-aligned)

N = Numeric (Text in tables must be right-aligned)

R = Required if different than status "K"

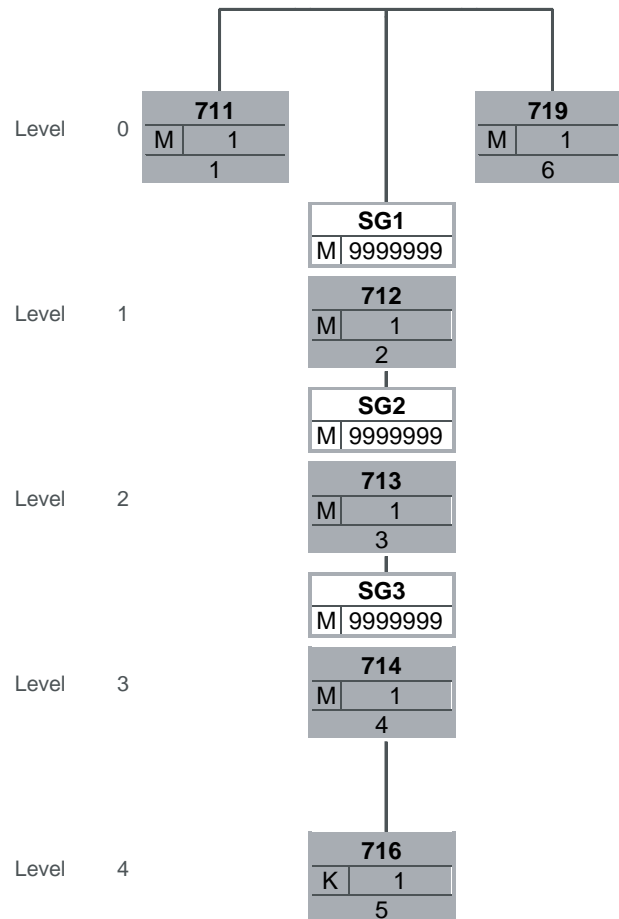
The use of the data elements at VW is defined in the "Verbal descriptions", if use is differing from the VDA-recommendation.

2 Message Type

Tag	No	St	MaxOcc	Name
711	1	M	1	Record type 711, Initial Record containing transmission data header of delivery note and transport data
SG1		M	99999999	
712	2	M	1	Record type 712, One-off transport data, once per shipment.
SG2		M	99999999	
713	3	M	1	Record type 713, One-off data element of the delivery note, once per delivery note
SG3		M	99999999	
714	4	M	1	Record type 714, delivery note position data, once per delivery note position.
716	5	K	1	Record Type 716, Version 02, Text data.
719	6	M	1	Record Type 719, Version 02, trailer label delivery note and transport data, once per transmission process

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.

3 Branching Diagram



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.

4 Segment Details

No	Tag	St	MaxOcc	Level	Name
1	711	M	1	0	Record type 711, Initial Record containing transmission data header of delivery note and transport data

Standard					Implementation	
Tag	Name	from to	St	Format	St	Usage / Remark
711_01	Record	1-3	M	N3	M	constant "711"
711_02	Version no.	4-5	M	N2	M	03 Version 03
711_03	Data Receiver ID / Customer ID	6-14	M	A9	M	Local supplier number. For AUDI: Every supplier plant is given its own TSL. For Volkswagen and Skoda: If Index =0, the data recipient is the central recipient for all branches who are not given their own TSL.
711_04	Data sender ID / Supplier ID	15-23	M	A9	M	Customer number at supplier's which has been agreed between the supplier and VOLKSWAGEN
711_05	Old transmission no.	24-28	M	N5	M	Transmission ID of previous file.
711_06	New transmission no.	29-33	M	N5	M	Transmission ID of current file.
711_07	Transmission date	34-39	M	N6	M	
711_08	Sub-supplier no.	40-48	K	A9	N	Not used
711_09	Carrier ID	49-57	K	A9	N	Not used
711_10	Key to stocklist	58	K	A1	K	always "1"
711_11	Delivery code	59	K	A1	K	
711_12	Empty	60-128	M	A69	M	Filled in with blanks.

Remark:

Example:

711030155442001000030 0190101902111004 1

No	Tag	St	MaxOcc	Level	Name
	SG1	M	9999999	1	712-SG2
2	712	M	1	1	Record type 712, One-off transport data, once per shipment.

Standard				Implementation	
Tag	Name	from to	St	Format	St Usage / Remark
712_01	Record	1-3	M	N3	M constant "712"
712_02	Version no.	4-5	M	N2	M 02 Version 02
712_03	Shipment Load Reference Number	6-13	M	A8	M depending on operation code (SA 713/09): VA = 30 or 35: filled with zeros VA = 36: sequential number, 1-2 digit plant number customer
712_04	Plant supplier	14-16	K	A3	K Supplier plant, same as supplier index (an1 or n2)
712_05	Carrier	17-30	M	A14	M always "NA"
712_06	Carrier transfer date	31-36	M	N6	M always filled with zeros
712_07	Carrier transfer time	37-40	M	N4	M always filled with zeros
712_08	Gross shipment weight	41-47	M	N7	M always filled with zeros
712_09	Net shipment weight	48-54	K	N7	K always filled with zeros
712_10	Pre-payment of charges key	55-56	K	N2	K always filled with zeros
712_11	Carrier transmission key	57	K	A1	N Not used
712_12	Number of packages	58-61	K	N4	K always filled with zeros
712_13	Transport partner ID	62-75	K	A14	N Not used
712_14	Key to means of Transport	76-77	M	N2	M always filled with zeros
712_15	Means of transport number	78-102	M	A25	N Not used
712_16	Code for item 712, Pos. 17	103	K	A1	N Not used
712_17	Content in accordance with item in 712, Pos. 16	104-111	K	A8	N Not used
712_18	Target Arrival date	112-117	K	N6	K always filled with zeros
712_19	Target Arrival time	118-121	K	N4	K always filled with zeros
712_20	Load metre	122-124	K	N2,1	K always filled with zeros
712_21	Lorry type code	125	K	N1	K always filled with zeros
712_22	Empty	126-128	M	A3	M Filled in with blanks.

Remark:

Example:

712021700077301 NA 000000000000000000000000 0000 00 00000000

St = Status

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No	Tag	St	MaxOcc	Level	Name
	SG1	M	9999999	1	712-SG2
	SG2	M	9999999	2	713-SG3
3	713	M	1	2	Record type 713, One-off data element of the delivery note, once per delivery note

Standard				Implementation	
Tag	Name	from to	St	Format	St Usage / Remark
713_01	Record	1-3	M	N3	M constant "713"
713_02	Version no.	4-5	M	N2	M 03 Version 03
713_03	Delivery note number	6-13	M	N8	M depending on operation code (SA 713_09): VA = 30: Supplier's delivery note number from remote data transmission VA = 35: always filled with zeros VA = 36: The delivery note number is 6 digits with zeros before it. The delivery note number range is agreed between VOLKSWAGEN and the supplier
713_04	Despatch date	14-19	M	N6	M depending on operation code (SA 713_09): VA = 30: Dispatch date VA = 35: Date of stock-take VA = 36: Date of transfer of ownership
713_05	Unloading point	20-24	M	A5	M depending on operation code (SA 713_09): VA = 30 or 35: Unloading point at consignment stock VA = 36: Unloading point at transfer of ownership
713_06	Dispatch type	25-26	M	N2	M always filled with zeros
713_07	Customer reference number (LAB)	27-30	K	A4	N Not used
713_08	Contract/Order no.	31-42	K	A12	K depending on operation code (SA 713_09): VA = 30 and 36: Order number (Mandatory) VA = 35: Not used
713_09	Process code	43-44	K	N2	M 30 Goods arriving in consignment stock 35 Stock level notification for consignment stock 36 Goods leaving consignment stock
713_10	Empty	45-48	M	A4	M Filled in with blanks.
713_11	Customer plant	49-51	M	A3	M Plant code
713_12	Consignment	52-59	K	N8	K always filled with zeros
713_13	Goods receiver ID	60-68	K	A9	N Not used
713_14	Empty 2	69	M	A1	M Filled in with blanks.
713_15	Ship to/ Customer	70-76	K	A7	N Not used

St = Status

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		Standard			Implementation	
Tag	Name	from to	St	Format	St	Usage / Remark
storage location						
713_16	Supplier ID	77-85	M	A9	N	Not used
713_17	Point of assembling	86-99	K	A14	N	Not used
713_18	Release no.	100-103	K	A4	N	Not used
713_19	Customer reference	104-109	K	A6	N	Not used
713_20	Customer reference number	110-123	K	A14	N	Not used
713_21	Empty	124-128	M	A5	M	Filled in with blanks.

Remark:

Example:

7130300117661110929J01J100 000001 36 11 00000000 XXXXX

No	Tag	St	MaxOcc	Level	Name
	SG1	M	9999999	1	712-SG2
	SG2	M	9999999	2	713-SG3
	SG3	M	9999999	3	714-716
4	714	M	1	3	Record type 714, delivery note position data, once per delivery note position.

Standard					Implementation	
Tag	Name	from to	St	Format	St	Usage / Remark
714_01	Record	1-3	M	N3	M	constant "714"
714_02	Version number	4-5	M	N2	M	03 Version 03
714_03	Customer reference number	6-27	M	A22	M	The VOLKSWAGEN article code always starts with a blank.
714_04	Supplier reference number	28-49	M	A22	N	Not used
714_05	Country of origin	50-52	M	N3	M	always filled with zeros
714_06	Delivery quantity 1	53-65	M	N10,3	M	depending on operation code (SA 713_09): VA = 30 or 36: Quantity of delivery note item, right-justified with zeros before it, 3 decimal places. VA = 35: Stock quantity (zero levels are not shown, no record type 714) If use code (SA 714_15) <blank>: then stock freely available 1: blocked stock
714_07	Unit of quantity 1	66-67	M	A2	M	KG Kilogramm L Liter M Meter M2 Quadratmeter M3 Kubikmeter SA Satz ST Stück T Tonne
714_08	Delivery quantity 2	68-80	K	N10,3	K	depending on operation code (SA 713_09): VA = 30 or 36: Quantity of delivery note item, right-justified with zeros before it, 3 decimal places. VA = 35: Stock quantity (zero levels are not shown) If use code (SA 714_15) <blank>: then stock freely available. 1: blocked stock
714_09	Unit of quantity 2	81-82	K	A2	K	KG Kilogramm L Liter M Meter M2 Quadratmeter

St = Status

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			Standard		Implementation	
Tag	Name	from to	St	Format	St	Usage / Remark
					M3 Kubikmeter SA Satz ST Stück T Tonne	
714_10	VAT rate	83-85	K	N2,1	K	always filled with zeros
714_11	Empty 1	86	M	A1	M	Filled in with blanks.
714_12	Delivery note item number	87-89	M	N3	M	
714_13	Release key	90	K	A1	K	Always "P"
714_14	Batch number	91-105	K	A15	K	depending on operation code (SA 713_09): VA = 30: Digit 1-8 of supplier's batch number VA = 35 or 36: Digit 1-10 of supplier's batch number
714_15	Code usage	106	M	A1	M	depending on operation code (SA 713_09): VA = 35: 1 = Block character Goods temporarily blocked by quality assurance. Stock quantity (SA 714_06) = blocked stock quantity. <blank> = Stock quantity (SA 714_06) = freely available stock quantity VA = 30 or 36: not used, blank
714_16	Dangerous goods code	107-114	K	A8	N	Not used
714_17	Preference status	115	M	A1	N	Not used
714_18	Dutiable goods	116	M	A1	N	Not used
714_19	Empty 2	117	M	A1	M	Filled in with blanks.
714_20	Inventory status	118	M	A1	N	Not used
714_21	Modified version code	119-120	M	A2	N	Not used
714_22	Original delivery note number	121-128	K	A8	K	depending on operation code (SA 713_09) VA = 30 or 35: Not used, blank VA = 36: Supplier's original delivery note

Remark:

Example:

714033C0 854 950 9B9
07118592

000000000300000ST000000000000 000 001P

No	Tag	St	MaxOcc	Level	Name
	SG1	M	9999999	1	712-SG2
	SG2	M	9999999	2	713-SG3
	SG3	M	9999999	3	714-716
5	716	K	1	4	Record Type 716, Version 02, Text data.

Standard				Implementation	
Tag	Name	from to	St	Format	St Usage / Remark
716_01	Record	1-3	M	N3	M constant "716"
716_02	Version number	4-5	M	N2	M 02 Version 02
716_03	Text 1	6-45	M	A40	M depending on operation code (SA 713_09): VA 30: not available VA 35: MIN._STOCK LEVEL, if agreed VA 36: Supplier's original delivery note number
716_04	Text 2	46-85	K	A40	K depending on operation code (SA 713_09): VA = 35: MAX._STOCK LEVEL, if agreed, otherwise blank VA = 30 or 36: Not used, blank
716_05	Text 3	86-125	K	A40	K
716_06	Empty	126-128	M	A3	M Mit BLANKS gefüllt. Filled in with BLANKS.

Remark:

Example:

7160207118592

