VOLKSWAGEN

AKTIENGESELLSCHAFT

Volkswagen VDA4913

Message Implementation Guideline

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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 JIS (Just in Sequence) process at VOLKSWAGEN, the daily cumulated delivery note serves as the basis for the financial settlement with the supplier.

The FIS (vehicle information system) sends production-synchronized call offs using the EDI message DELJIT- SYNCRO (see Figure 1.). On the basis of this information, daily cumulated delivery notes (TSL) are prepared and sent to the supplier each day via the EDI converter as an EDI message in the format VDA 4913 TSL_JIS or RECADV. This TSL contains all the deliveries for the JIS call offs of the previous day from 00:00 -23:59 hours from Series and Pre-Series cumulatively. In this process, no remote data transfer delivery note is expected from the customer. The daily cumulated delivery notes form the basis for the financial settlement of the JIS delivery. As a rule, a credit is sent to the supplier here. If this procedure is not allowed in specific countries for legal reasons, the supplier draws up an invoice.
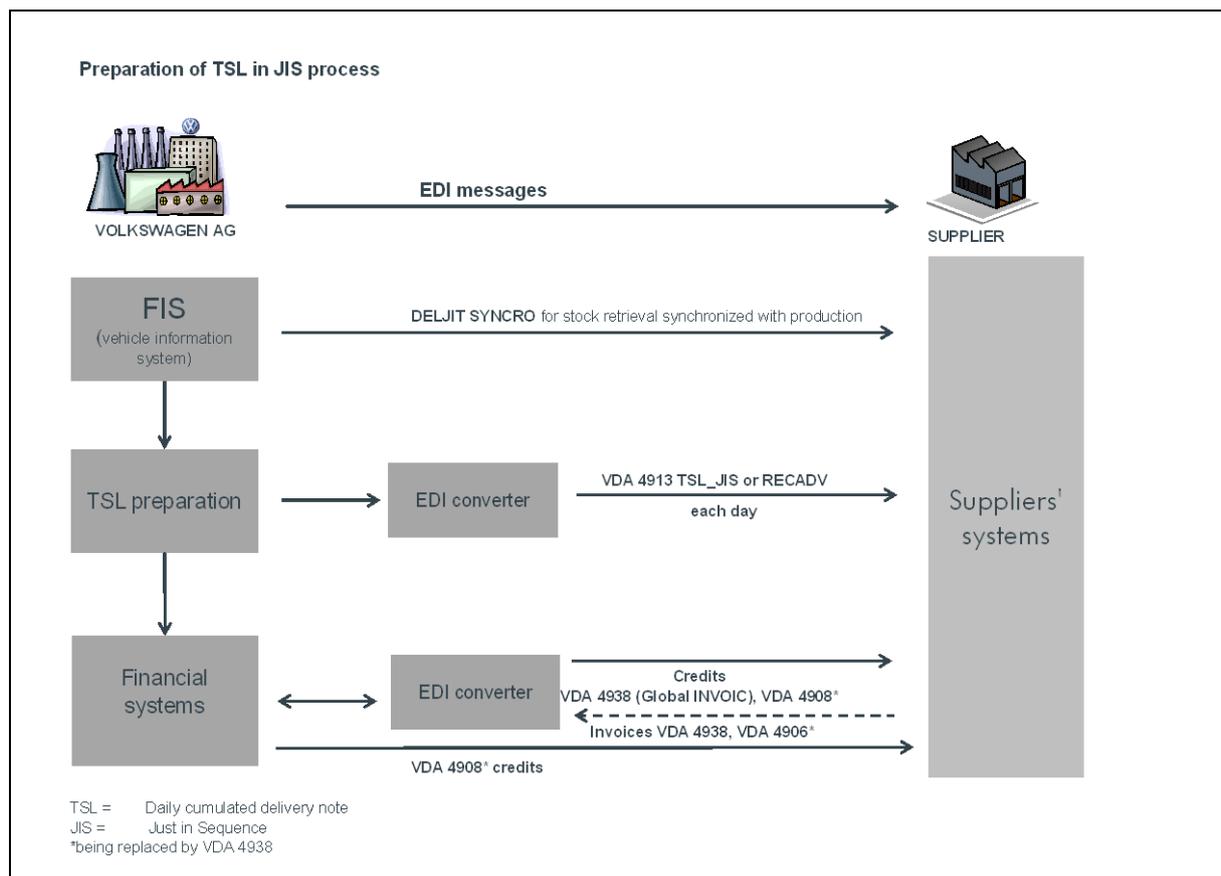

Figure 1: Preparation of TSL in JIS process

The OFTP parameters and the virtual file names are given at
http://www.vwgroupsupply.com/b2bpub/zusammenarbeit/edi/oftp_parameter.html

In addition, the following applies:

At AUDI, a separate file is created for each customer plant (SA 713_11). For VW and Skoda, one file is created for all the customer plants.

The delivery note numbers have 6 digits.

Delivery note numbers can be set as required at the brands' EDI coordinator (default value 000001-999999). For AUDI, separate number ranges can be assigned by supplier plant (Index).

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)

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	9999999	
712	2	M	1	Record type 712, One-off transport data, once per shipment.
SG2		M	9999999	
713	3	M	1	Record type 713, One-off data element of the delivery note, once per delivery note
SG3		M	9999999	
714	4	M	1	Record type 714, delivery note position data, once per delivery note position.
718	5	K	9999999	Record Type 718, Production numbers
716	6	K	1	Record Type 716, Text data
719	7	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
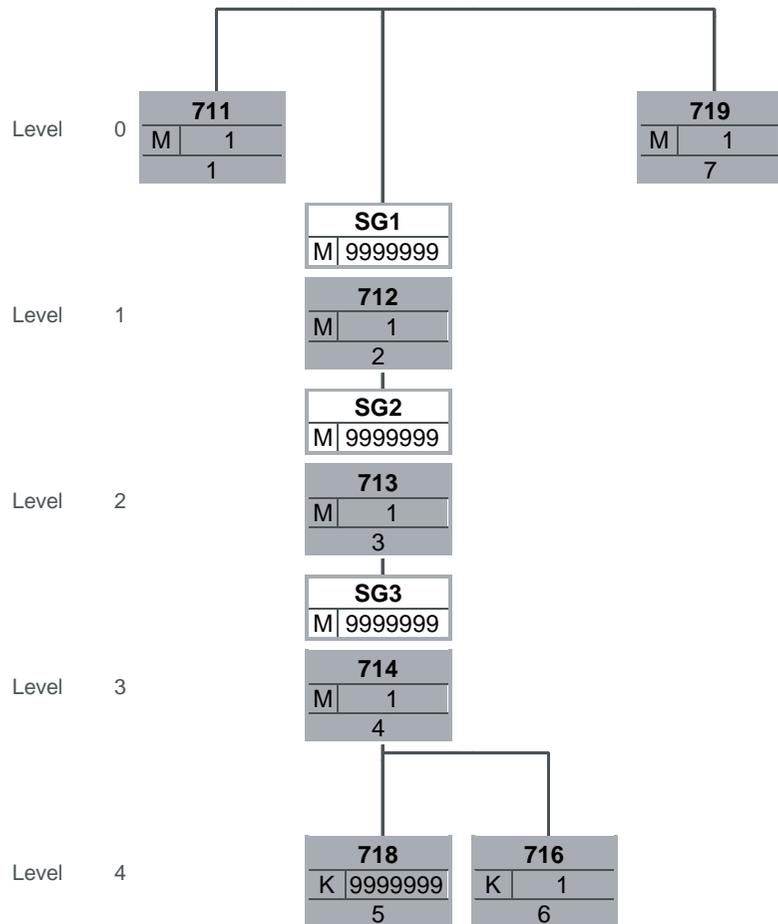
Level	0	711 M | 1 1			719 M | 1 7

SG1
M | 9999999

Level	1	712 M | 1 2

SG2
M | 9999999

Level	2	713 M | 1 3

SG3
M | 9999999

Level	3	714 M | 1 4

Level	4	718 K | 9999999 5	716 K | 1 6

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 ID 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	N	Not used
711_12	Empty	60-128	M	A69	M	Filled in with blanks.

Remark:

Example:

71103015544200VW　　 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	**03 Version 03**
712_03	Shipment Load Reference Number	6-13		M	A8	M	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	"00" oder "01" (CKD)
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:

71203110014980 NA   000000000000000000000000 0000   00   000000000
00000

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	The delivery note ID 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	Date of M100 call off.
713_05	Unloading point	20-24	M	A5	M	
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	
713_09	Process code	43-44	K	N2	K	**36 TSL in JIS process**
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	Consigment	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 storage location	70-76	K	A7	N	Not used
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:

713030011766111 0929J01J100   000001   36   11 00000000   X   XXXX
X

No	Tag	St	MaxOcc	Level	Name
	SG1	M	9999999	1	**712-SG2**
	SG2	M	9999999	2	**713-SG3**
	SG3	M	9999999	3	**714-718-716**
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	Quantity of delivery note item, right-justified with zeros before it, 3 decimal places.
714_07	Unit of quantity 1	66-67	M	A2	M	
714_08	Delivery quantity 2	68-80	K	N10,3	N	Not used
714_09	Unit of quantity 2	81-82	K	A2	N	Not used
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	**P Produktionssynchroner Abruf** **P Production-synchronized call off**
714_14	Batch number	91-105	K	A15	N	Not used
714_15	Code usage	106	M	A1	N	Not used
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	N	Not used

Remark:

Example:

714033C0 854 950   9B9   0000000000300000ST   000 001P   X

No	Tag	St	MaxOcc	Level	Name
	SG1	M	9999999	1	**712-SG2**
	SG2	M	9999999	2	**713-SG3**
	SG3	M	9999999	3	**714-718-716**
5	**718**	K	9999999	4	**Record Type 718, Production numbers**

		Standard			**Implementation**	
Tag	Name	from to	St	Format	St	Usage / Remark
718_01	Satzart	1-3	M	N3	M	constant "718"
718_02	Versions-Nummer	4-5	M	N2	M	**02 Version 02**
718_03	Lieferschein-Nummer	8-13	M	N8	M	
718_04	Produktions-Nummer 1	14-23	M	A10	M	10-digit code number from DELJIT SYNCRO GIR+4, Qualifier AN JIS: PJKWT1234P = order data / ID number PJ = Target production year KW = Calendar week (ZP-8 planning date) T = Week day (ZP-8 planning date) 1234 = seq.no. clearly per week day P = check figure (Modulo 10, calculated using KWT1234) KANBAN: Character 1 always "4", character 2-3 customer plan, char. 4-10=call off number
718_05	Produktions-Nummer 2	24-33	K	A10	K	See record type 718_04.
718_06	Produktions-Nummer 3	34-43	K	A10	K	See record type 718_04.
718_07	Produktions-Nummer 4	44-53	K	A10	K	See record type 718_04.
718_08	Produktions-Nummer 5	54-63	K	A10	K	See record type 718_04.
718_09	Produktions-Nummer 6	64-73	K	A10	K	See record type 718_04.
718_10	Produktions-Nummer 7	74-83	K	A10	K	See record type 718_04.
718_11	Produktions-Nummer 8	84-93	K	A10	K	See record type 718_04.
718_12	Produktions-Nummer 9	94-103	K	A10	K	See record type 718_04.
718_13	Produktions-Nummer 10	104-113	K	A10	K	See record type 718_04.
718_14	Produktions-Nummer 11	114-123	K	A10	K	See record type 718_04.
718_15	Leer	124-128	M	A5	M	Mit BLANKS gefüllt. Filled in with blanks.

Remark:

Example:

St = Status

71802000012131328303183

St = Status

No	Tag	St	MaxOcc	Level	Name
	SG1	M	9999999	1	**712-SG2**
	SG2	M	9999999	2	**713-SG3**
	SG3	M	9999999	3	**714-718-716**
6	**716**	K	1	4	**Record Type 716, 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	JIT BILLING SERIES JIT BILLING FOLLOW-ON DELIVERY KANBAN BILLING
716_04	Text 2	46-85	K	A40	N	Not used
716_05	Text 3	86-125	K	A40	N	Not used
716_06	Empty	126-128	M	A3	M	Filled in with blanks.

Remark:

Example:

71602JIT ABRECHNUNG SERIE

No	Tag	St	MaxOcc	Level	Name
7	**719**	M		1	0	**Record Type 719, Version 02, trailer label delivery note and transport data, once per transmission process**

		Standard			**Implementation**	
Tag	Name	from to	St	Format	St	Usage / Remark
719_01	Record	1-3	M	N3	M	constant "719"
719_02	Version number	4-5	M	N2	M	**02 Version 02**
719_03	Record type counter 711	6-12	M	N7	M	Number of records of type 711. Right-aligned entry with preceding zeros.
719_04	Record type counter 712	13-19	M	N7	M	Number of records of type 712. Right-aligned entry with preceding zeros.
719_05	Record type counter 713	20-26	M	N7	M	Number of records of type 713. Right-aligned entry with preceding zeros.
719_06	Record type counter 714	27-33	M	N7	M	Number of records of type 714. Right-aligned entry with preceding zeros.
719_07	Record type counter 715	34-40	M	N7	M	Number of records of type 715. Right-aligned entry with preceding zeros.
719_08	Record type counter 716	41-47	M	N7	M	Number of records of type 716. Right-aligned entry with preceding zeros.
719_09	Record type counter 718	48-54	M	N7	M	Number of records of type 718. Right-aligned entry with preceding zeros.
719_10	Record type counter 719	55-61	M	N7	M	Number of records of type 719. Right-aligned entry with preceding zeros.
719_11	Record type counter 717	62-68	M	N7	M	Number of records of type 717. Right-aligned entry with preceding zeros.
719_12	Empty	69-128	M	A60	M	Filled with blanks.

Remark:

Example:

71902000000100000010000001000000100000010000000000000000000010000000