

EDI Implementation Guidelines

JiT-Call-Off DELJIT D97A, VW AG Vers. 2.0 from customer to supplier

EDIFACT/Odette-DELJIT/SYNCRO, EDIFACT Directory D97A

VW SYNCRO Version 2.1

EDI message for calling and directing JiT modules to be delivered for specific vehicles in sequence of production.

In standard cases the message DELJIT/SYNCRO is sent to the JiT supplier as a call order in sequence of production and as a reference data record after fixing of vehicle orders (SONATA).

If required this message may also be sent as a sequence forecast from agreed registration points (e.g. start of bodyshell manufacture).

In exceptional cases it is possible, while taking on substantial risks, to transmit vehicle data records before the vehicle orders are fixed (FAVAS).

This Implementation Guide applies to SYNCRO messages to be used at new Just-in-Time installations in a Volkswagen AG recipient plant – starting with AMDD. Consequently, this guide replaces the description of DELJIT/SYNCRO D95B in the annex to the procedural description "Processing of supplier parts in JiT deliveries of simple and multi-variant JiT assemblies" for the AMDD installation. Existing JiT installations will initially not be affected by this version change

Implementation must be agreed with the person responsible for JiT at the brand or Volkswagen AG plant.

You can also find the latest version of this document

http://www.vwgroupsupply.com/portal01/vw/pub?path=/content/vwkb/de/public/informationen/elektronischer_datenaustausch/edi_guidelines.portlet.html

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Changelog

SG Se No. DE	Date	Version	Description	
Supplier code SG2 NAD ⁰⁰⁷ 3039 BGM ⁰⁰³ 1001	Party id. identification	2014-08-22	4.1	Description deleted
	Document/message name, coded 30	2014-08-19	4.1	Codes "DIS" and "FAV" added
Delivery Instruction Line SG4 SEQ ⁰⁰⁸ 1050	Sequence number	2014-08-18	Version 3.1	Description changed in regard to the assembly line.

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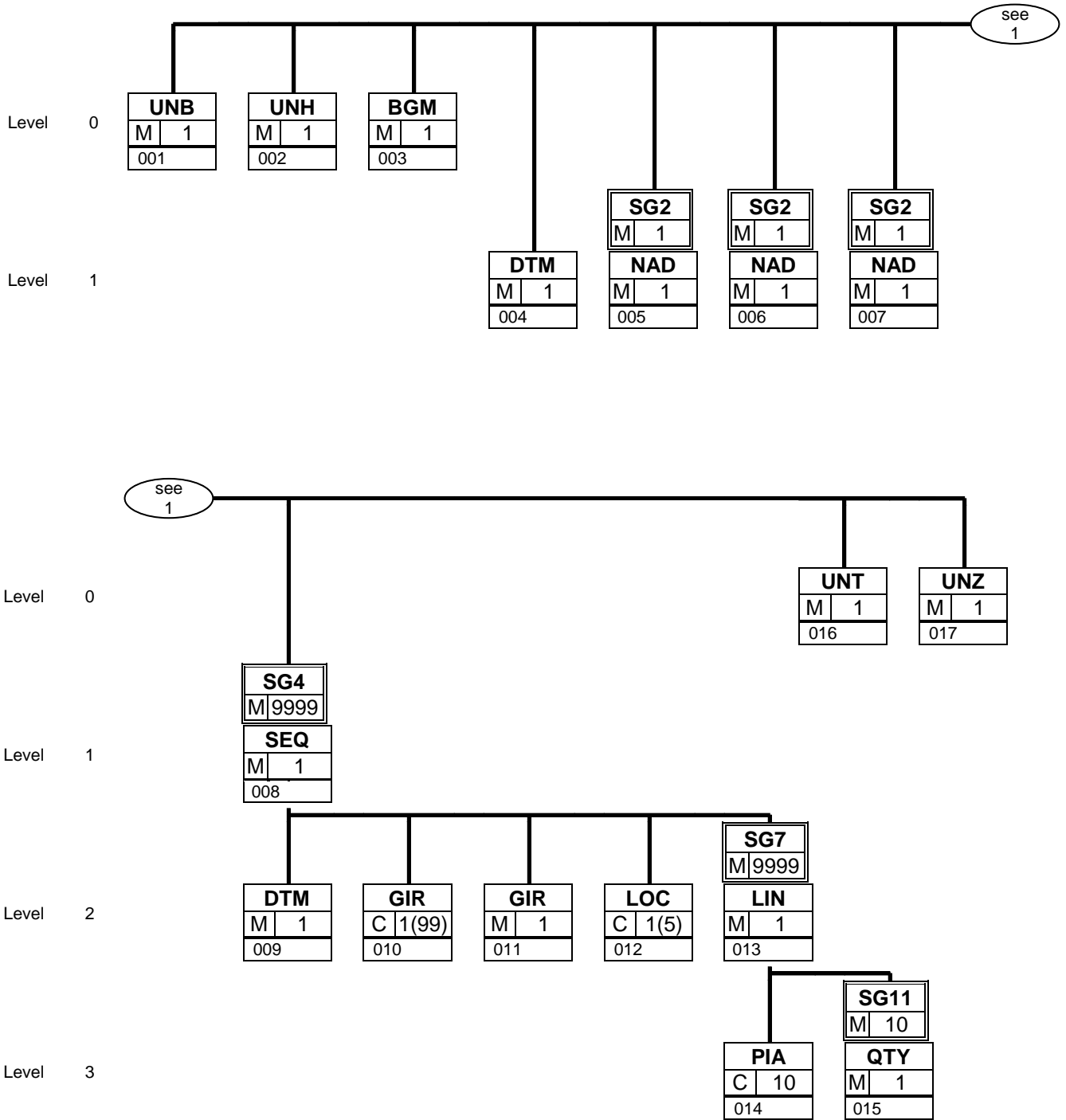
DELJIT Delivery just in time message / VW Version 2 overview of changes

	S	MaxNo	Segment	Rep	contents
	UNB	M 1	1		UNB+UNOA:2+O0013000001VW R11+ O09999000000000029R88-ID+991008:1459+12345'
	UNH	M 1	2		UNH+12345+DELJIT: D:97A :UN' When this type of message is sent (Version 2 with PGI in GIR), the EDIFACT Directory D97A must always be given as reference.
	BGM	M 1	3		BGM+30::10: SYNCRO +123456' To distinguish from DELJIT KANBAN, the subset name SYNCRO must always be entered for new JiT installations (Version2).
	DTM	M 1	4		DTM+137:199910081458:203'
┌	SG2	M 1			
└	NAD	M 1	5		NAD+BY+123456789::91'
┌	SG2	M 1			
└	NAD	M 1	6		NAD+CN+43::92'
┌	SG2	M 1			
└	NAD	M 1	7		NAD+CZ+123456::92'
┌	SG4	M 9999			Segment group 4 is also repeated in the case of several modules for the same vehicle.
	SEQ	M 1	8		SEQ+3+123456'
	DTM	M 1	9		DTM+194:199910081457:203'
	GIR	M 1	10		GIR+ADD+123456789012:SSR+ABCDEFGHIJKLMN:SVS+P4A: ACO+ABCDEFGHIJ:PRI+ 123456:LSR ' 123456:LSR is only sent in the message type BGM-DE1001=SEC (for Mosel plant).
	GIR	M 1	11		GIR+4+WVWZZZ1JZ1W204568:VV+9947143652:AN+991J0 :TMA+ AB:PGI ' PGI (Parts Group Identifier) = module code shall in future always be sent for new JiT installations (in all SYNCRO messages).
	LOC	C 1	12		LOC+54+RB01'
┌	SG7	M 9999			
	LIN	M 1	13		LIN+++ BKK A00 117 OS VD:IN'
	PIA	C 10	14		PIA+1+AB' It is not currently planned to send the PIA segment, JiT suppliers' SW should provide this capability. If required, an identifier, for instance, could be used for the (BESI-)part type.
	SG11	M 10			
┌	QTY	M 1	15		QTY+131:1:PCE'
└	UNT	M 1	16		UNT+14+12345'
└	UNZ	M 1	17		UNZ+1+12345'

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DELJIT Delivery just in time message

	Seg. No.	St. VW	Max Rep	Segment Name
	UNB	1	M 1	INTERCHANGE HEADER <i>Identifizierung der Übertragung (Kopfsegment), 1 mal pro DFÜ</i> <i>Identification of transmission (header segment), once per transmission</i>
	UNH	2	M 1	MESSAGE HEADER <i>Identifizierung des Nachrichtentyps, erstes Segment einer Nachricht</i> <i>Message Type Identification, first segment of a message</i>
	BGM	3	M 1	BEGINNING OF MESSAGE <i>Kopfsegment der Nachricht, Nachrichtenennung / Referenznummer</i> <i>Header segment of message, Message identification / reference number</i>
	DTM	4	M 1	DATE/TIME/PERIOD <i>Datum / Uhrzeit der Nachrichtenerstellung</i> <i>Message creation date / time</i>
┌	SG2		M 1	<i>Kunde</i>
└	NAD	5	M 1	NAME AND ADDRESS <i>Kundennummer / Kundenbezeichnung</i> <i>Customer Identification</i>
┌	SG2		M 1	<i>Warenempfänger</i>
└	NAD	6	M 1	NAME AND ADDRESS <i>Warenempfänger (Anlieferwerk)</i> <i>Consignee, goods recipient (destination factory)</i>
┌	SG2		M 1	<i>Warensender</i>
└	NAD	7	M 1	NAME AND ADDRESS <i>Lieferantenummer</i> <i>Supplier (goods sender) Identification</i>
┌	SG4		M 9999	<i>IZSB = Individueller Zusammenbau</i>
└	SEQ	8	M 1	SEQUENCE DETAILS <i>Sequenzangaben, Kopfsegment je JiT-Modul</i> <i>Sequence data, Header segment per JiT-module</i>
	DTM	9	M 1	DATE/TIME/PERIOD <i>Datum / Zeit des Sequenzabrufs; Bei Referenzdaten: ZP8-Termin (ggfs. M1-Termin)</i> <i>Sequence call-off date / time; In reference data: ZP8-date (possibly M1-date)</i>
	GIR	10	C 1(99)	RELATED IDENTIFICATION NUMBERS <i>Ergänzende Fahrzeugdaten 1, (wird nicht übertragen in den Referenzdaten und Sequenzvorschau aus LAFES-JIT nicht übertragen)</i> <i>Vehicle data 1, not transmitted in the reference data and sequence preview of LAFES-JIT)</i>
	GIR	11	M 1	RELATED IDENTIFICATION NUMBERS <i>Fahrzeugdaten 2</i> <i>Vehicle data 2</i>
	LOC	12	C 1(5)	PLACE/LOCATION IDENTIFICATION <i>Fertigungsbereichskennzeichen, wird in den Referenzdaten und Sequenzvorschau aus LAFES-JIT nicht übertragen.</i> <i>Manufacturing department code, not transmitted in the reference data and sequence preview of LAFES-JIT</i>
┌	SG7		M 9999	<i>Teile im IZSB</i>
└	LIN	13	M 1	LINE ITEM <i>Teilenummer (Teile-Nr, Zsb-Nr, LAW-Nr)</i> <i>Part number (parts no, assembly no, LAW no)</i>
	PIA	14	C 10	ADDITIONAL PRODUCT ID <i>Zusatzinformation Teileart (BESI-Teileart), wird z.Z. nicht gesendet</i> <i>Additional information kind of parts (BESI- kind of parts), actually not</i>

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	Seg. No.	St. VW	Max Rep	Segment Name	
				<i>transmitted</i>	
┌──┐		M	10	<i>Teilemengen</i>	
┌──┐ SG11		M	10	<i>Teilemengen</i>	
┌──┐ QTY	15	M	1	QUANTITY <i>Abrufmenge = Liefermenge je ZSB / Sachnummer</i> <i>Call-off quantity = delivery quantity per assembly / part number</i>	
	UNT	16	M	1	MESSAGE TRAILER <i>Abschluß der Nachricht, Message Kontrollsegment,</i> <i>Final segment of message, Message check segment</i>
	UNZ	17	M	1	INTERCHANGE TRAILER <i>Abschluß der Übertragungsdatei, Ende- und Prüfsegment einer</i> <i>Übertragung</i> <i>Final segment of transmission file, terminates a transfer file and checks it</i> <i>for completeness</i>

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DELJIT Delivery just in time message

	S	Max. Rep.	No.	Segment	Contents
UNB	M	1	1	UNB	UNB+UNOA:2+O0013000001VW R11+O09999000000000029R88-ID+991008:1459+12345'
UNH	M	1	2	UNH	UNH+12345+DELJIT:D:97A:UN'
BGM	M	1	3	BGM	BGM+30::10:SYNCRO+123456'
DTM	M	1	4	DTM	DTM+137:199910081458:203'
SG2	M	1			
NAD	M	1	5	NAD	NAD+BY+123456789::91'
SG2	M	1			
NAD	M	1	6	NAD	NAD+CN+43::92'
SG2	M	1			
NAD	M	1	7	NAD	NAD+CZ+123456::92'
SG4	M	9999			
SEQ	M	1	8	SEQ	SEQ+3+123456'
DTM	M	1	9	DTM	DTM+194:199910081457:203'
GIR	C	1(99)	10	GIR	GIR+ADD+123456789012:SSR+ABCDEFGHIJKL:SVS+P4A: ACO+ABCDEFGH:PRI+123456:LSR'
GIR	M	1	11	GIR	GIR+4+WVWZZZ1JZ1W204568:VV+9947143652:AN+991J0: TMA+AB:PGI'
LOC	C	1(5)	12	LOC	LOC+54+RB01'
SG7	M	9999			
LIN	M	1	13	LIN	LIN+++ BKK A00 117 OS VD:IN'
PIA	C	10	14	PIA	PIA+1+AB'
SG11	M	10			
QTY	M	1	15	QTY	QTY+131:1:PCE'
UNT	M	1	16	UNT	UNT+15+12345'
UNZ	M	1	17	UNZ	UNZ+1+12345'

Segment:		Serial No.: 1		Level: 0		INTERCHANGE HEADER	
UNB		Status: M		Max.Rep.: 1		Nutzdaten-Kopfsegment	
Description: Identifizierung der Übertragung (Kopfsegment), 1 mal pro DFÜ							
Identification of transmission (header segment), once per transmission							
Description of codes and data in segment:							
		St., Format	St.,Example.:	VW-DE-Definition / Instructions for Use / Notes			
UNB							
S001	SYNTAX IDENTIFIER	M	M				
0001	Syntax identifier	M a4	M +UNOA	UNOA = UN/ECE Zeichensatz A			
0002	Syntax version number	M n1	M :2	2 = Version 2			
S002	INTERCHANGE SENDER	M	M				
0004	Sender identification	M an..35	M +00013000 001VW R11	Sender identifier, ODETTE-ID of data sender, in this case station R11 (ID contains 6 blanks) Sender identifier to be agreed before message installation.			
S003	INTERCHANGE RECIPIENT	M	M				
0010	Recipient identification	M an..35	M +00999900 000000002 9R88-ID	Recipient identifier, as agreed. In standard cases the data recipient's Odette-ID of data recipientis entered. Recipient identifier to be agreed before message installation.			
S004	DATE/TIME OF PREPARATION	M	M				
0017	Date of preparation	M n6	M +991008	Date of preparation (conversion) of the transmission file YYMMDD			
0019	Time of preparation	M n4	M :1459	Time of preparation (conversion) of the transmission file HHMM			
0020	Interchange control reference	M an..14	M +12345'	VW-Format: n5 Unique reference number, assigned by sender to track the operation.			
Comments:							
Volkswagen AG uses the standard separator characters. The UNA segment is not sent.							
References to VDA-Recommendations:							
Coding Example:							
UNB+UNOA : 2+00013000001VW R11+00999900000000000029R88-ID+991008 : 1459+12345 '							

Segment:	UNH	Serial No.: 2 Status: M	Level: 0 Max.Rep.: 1	MESSAGE HEADER Nachrichten-Kopfsegment
Description: Identifizierung des Nachrichtentyps, erstes Segment einer Nachricht Message Type Identification, first segment of a message				
Description of codes and data in segment:				
St., Format St.,Example:: VW-DE-Definition / Instructions for Use / Notes				
UNH				
0062	Message reference number	M an..14	M +12345	Message reference number / unique ref. no., UNH is counted through once per data transfer by data sender.
S009	MESSAGE IDENTIFIER	M	M	
0065	Message type identifier	M an..6	M +DELJIT	'DELJIT' = Message ID
0052	Message type version number	M an..3	M :D	'D' = Version of message type
0054	Message type release number	M an..3	M :97A	97A = Release 1997 - A'
0051	Controlling agency	M an..2	M :UN'	'UN' = Control code of managing organisation UN/ECETRADE/WP.4
Comments:				
References to VDA-Recommendations:				
Coding Example: UNH+12345+DELJIT:D:97A:UN'				

Segment:	BGM	Serial No.: 3 Status: M	Level: 0 Max.Rep.: 1	BEGINNING OF MESSAGE Beginn der Nachricht
Description: Kopfsegment der Nachricht, Nachrichtenennung / Referenznummer Header segment of message, Message identification / reference number				
Description of codes and data in segment:				
		St., Format	St.,Example::	VW-DE-Definition / Instructions for Use / Notes
BGM				
C002	DOCUMENT/MESSAGE NAME	C	C	
1001	Document/message name, coded	C an..3	C +30	<i>DIS = Production planning information FAV = References from preliminary FU 30 = Sequenced call-off REF = Reference data (from weekly / daily target) SEV = Sequence forecast (e.g. body-in-white call-off) SEC = 'Sequence control (e.g. M 2 sequence) Other codes may be agreed for various JiT installations</i>
1131	Code list qualifier	C an..3	C :	--
3055	Code list responsible agency, coded	C an..3	C :10	10 = ODETTE
1000	Document/message name	C an..35	C :SYNCRO	'SYNCRO', is used only in SYNCRO-Version 2
C106	DOCUMENT/MESSAGE IDENTIFICATION	C	C	
1004	Document/message number	C an..35	C +123456'	VW-Format: an..6 call-off no., counted through once per document/application
Comments: VW uses the SYNCRO message as a vehicle-specific message. The message applications Sequenzvorschau SEV and Sequenzkontrolle SEC are optional and must be agreed if required.				
References to VDA-Recommendations:				
Coding Example: BGM+30:::10:SYNCRO+123456'				

Segment:	DTM	Serial No.: 4 Status: M	Level: 1 Max.Rep.: 1	DATE/TIME/PERIOD Datum/Uhrzeit/Zeitspanne
Description: Datum / Uhrzeit der Nachrichtenerstellung Message creation date / time				
Description of codes and data in segment:				
St., Format St.,Example.: VW-DE-Definition / Instructions for Use / Notes				
DTM				
C507 DATE/TIME/PERIOD	M	M		
2005 Date/time/period qualifier	M an..3	M +137	137	= Message created date
2380 Date/time/period	C an..35	C : 199910081 458		Date / time: Reference data (REF) and sequence forecast (SEV): Time file created in LAFES-JIT PAB SEV, SEC: Time message created in FIS-JIT
2379 Date/time/period format qualifier	C an..3	C :203'	203	= JJJJMMTTHHMM
Comments:				
References to VDA-Recommendations:				
Coding Example: DTM+137:199910081458:203'				

Gruppe: SG2 Max. Wdh.: 1		Status: M		SG2	NAD-LOC-FTX-SG3
Segment:	NAD	Serial No.: 5 Status: M	Level: 1 Max.Rep.: 1	NAME AND ADDRESS Name und Anschrift	
Description: Kundenummer / Kundenbezeichnung Customer Identification					
Description of codes and data in segment:					
St., Format St.,Example.: VW-DE-Definition / Instructions for Use / Notes					
NAD					
3035	Party qualifier	M an..3	M +BY	<i>BY</i>	= <i>Kunde / Buyer</i>
C082	PARTY IDENTIFICATION DETAILS	C	C		
3039	Party id. identification	M an..35	M +12345678 9	VW-Format: an..9	Suppliers customer id, is used only if aggred (Code 91)
				VW-Format: an..5	Customer name, unless bilaterally agreed differently <u>the brand name is used as standard.</u> (Code 92): VW (in reference data, currently including Volkswagen Brüssel, Volkswagen Nutzfahrzeuge, Volkswagen Sachsen (Mosel), Autoeuropa) AUDI SKODA SEAT VWB = Volkswagen Brüssel VWN = Volkswagen Nutzfahrzeuge VWS = Volkswagen Sachsen (Mosel) VWAE = Autoeuropa
1131	Code list qualifier	C an..3	C :	--	
3055	Code list responsible agency, coded	C an..3	C :91'	91	= Qualifier if VW brand name is used
				92	= Qualifier if customer number of supplier agreed
Comments: The recipient plant is sent in a separate NAD segment.					
References to VDA-Recommendations:					
Coding Example: NAD+BY+123456789: :91'					

Gruppe:	SG2	Max. Wdh.: 1	Status: M	SG2	NAD-LOC-FTX-SG3
Segment:	NAD	Serial No.: 6 Status: M	Level: 1 Max.Rep.: 1	1	NAME AND ADDRESS Name und Anschrift
Description:	Warenempfänger (Anlieferwerk) Consignee, goods recipient (destination factory)				
Description of codes and data in segment:					
St., Format St.,Example.: VW-DE-Definition / Instructions for Use / Notes					
NAD					
3035	Party qualifier	M an..3	M +CN	CN	= <i>Consignee, Goods recipient</i>
C082	PARTY IDENTIFICATION DETAILS	C	C		
3039	Party id. identification	M an..35	M +28		VW-Format: an..2 VW/Audi plant code (plant to be delivered to), example 28 = Werk Mosel
1131	Code list qualifier	C an..3	C :	--	
3055	Code list responsible agency, coded	C an..3	C :92'	92	= <i>assigned by customer</i>
Comments:					
References to VDA-Recommendations:					
Coding Example: NAD+CN+28 : : 92 '					

Gruppe:	SG2	Max. Wdh.: 1	Status: M	SG2	NAD-LOC-FTX-SG3
Segment:	NAD	Serial No.: 7	Level: 1	NAME AND ADDRESS	
		Status: M	Max.Rep.: 1	Name und Anschrift	
Description:	Lieferantenummer Supplier (goods sender) Identification				
Description of codes and data in segment:					
St., Format St.,Example.: VW-DE-Definition / Instructions for Use / Notes					
NAD					
3035	Party qualifier	M an..3	M +CZ	CZ	= Goods sender code
C082	PARTY IDENTIFICATION DETAILS	C	C		
3039	Party id. identification	M an..35	M +01345670 0		Local supplier code, format an..10
1131	Code list qualifier	C an..3	C :	--	
3055	Code list responsible agency, coded	C an..3	C :92'	92	= assigned by customer
Comments: A 9-character supplier number is used (7 characters plus 2-character identifier).					
References to VDA-Recommendations:					
Coding Example: NAD+CZ+013456700::92'					

Gruppe:	SG4	Max. Wdh.: 9999	Status: M	SG4	SEQ-DTM-GIR-LOC-SG5-SG7
Segment:	SEQ	Serial No.: 8 Status: M	Level: 1 Max.Rep.: 1	1	SEQUENCE DETAILS Einzelheiten zur Reihenfolge
Description:	Sequenzangaben, Kopfsegment je JiT-Modul Sequence data, Header segment per JiT-module				
Description of codes and data in segment:					
St., Format St.,Example.: VW-DE-Definition / Instructions for Use / Notes					
SEQ					
1245	Status indicator, coded	C an..3	C +3		Information status This identifier controls processing at the JiT supplier 3 = <i>JiT-call-off / New record (first access)</i> 2 = <i>Delete record **</i> 9 = <i>Test / No delivery</i> 10 = <i>Already delivered / Re-order</i> 5 = <i>replacement only with BGM Code SEC = sequence control</i>
C286	SEQUENCE INFORMATION	C	C		
1050	Sequence number	M an..10	M +123456'		Present VW format: an..6 nnxxxx = Assembly sequence data In sequenced call-off (PAB): nn = assembly line no., xxxx = sequence no. on assembly line. Note: Counter reset is dependent on local FIS-JIT installation. Sequence forecast (SEV), Production Planning Data (DIS), References from preliminary FU (FAV) and Reference data (REF) an assembly line may be transmitted if it planned for an vehicle order. Otherwise "00" is transmitted.
Comments:					
The data are allocated by way of the file name and the allocation reference in UNH.					
In transmission of reference data (REF) from LAFES-JiT only: 3 = New record (first access) 2 = Delete record. 3 = Change record = New record after delete record The change service is applied to complex individual assemblies described by more than one part number only for the changed range of part numbers, not for all part numbers of the individual assembly. 9 = Test / No delivery!					
In transmission of the sequence forecast (SEV): 3 = New record (first access) 9 = Test / No delivery!					
In transmission of the PAB from FIS-JIT 3 = JiT-call-off 9 = Test / No delivery! 10 = Already delivered / Re-order; for complex individual assemblies subsets (one or more part numbers) may also be re-ordered. Re-order codes in segment GIR must be observed in further processing.					
If a number of individual assemblies with different module identifiers in GIR DE 74 02 'PGI' (= parts group identifier) are called for one identification number, the SeG 4 is repeated for each module / module identifier.					
The change service is applied to complex individual assemblies described by more than one part number only for the changed range of part numbers, not for all part numbers of the individual assembly					
References to VDA-Recommendations:					
Coding Example:					
SEQ+3+123456'					

Gruppe:	SG4	Max. Wdh.: 9999	Status: M	SG4	SEQ-DTM-GIR-LOC-SG5-SG7
Segment:	DTM	Serial No.: 9 Status: M	Level: 2 Max.Rep.: 1	DATE/TIME/PERIOD Datum/Uhrzeit/Zeitspanne	
Description:	Datum / Zeit des Sequenzabrufs; Bei Referenzdaten: ZP8-Termin (ggfs. M1-Termin) Sequence call-off date / time; In reference data: ZP8-date (possibly M1-date)				
Description of codes and data in segment:					
St., Format St.,Example.: VW-DE-Definition / Instructions for Use / Notes					
DTM					
C507	DATE/TIME/PERIOD	M	M		
2005	Date/time/period qualifier	M an..3	M +194	194 = ID for recording date (SEV / sequenced call-off)	
				206 = ID for recording date (SEC)	
				101 = planned ZP 8 time (production date), standard for reference data	
				17 = planned M1 time (delivery date, estimated), special agreement for reference data	
2380	Date/time/period	C an..35	C : 199910081 457	For sequence forecast data (FIS-JIT) and sequenced call-off the time of code number entry is set at the agreed recording point .	
2379	Date/time/period format qualifier	C an..3	C :203'	203 = YYYYMMDDHHMM for registration point data	103 = YYWWD for reference data
Comments:					
In transmission of reference data from the weekly assembly program the DTM segment is not transmitted.					
As of implementation of the K to K process, the week and day given in the identification number will no longer have any meaning as a ZP-8 scheduling date. It is therefore planned that in connection with K to K the scheduled ZP-8 date will be sent as a straight date in the reference data. It is important for JiT suppliers to be able to process the ZP-8 date when they use the reference data to manage their production (e.g. electrical systems). By agreement, the planned M1 date may be entered instead of the ZP-8 date if the ZP-8 date does not provide a sufficiently accurate indication of the assembly date.					
References to VDA-Recommendations:					
Coding Example:					
DTM+194:199910081457:203'					

Gruppe:	SG4	Max. Wdh.: 9999	Status: M	SG4	SEQ-DTM-GIR-LOC-SG5-SG7
Segment:	GIR	Serial No.: 10 Status: C	Level: 2 Max.Rep.: 1(99)	2	RELATED IDENTIFICATION NUMBERS Zusammengehörige Identifikationsnummern
Description:	Ergänzende Fahrzeugdaten 1, (wird nicht übertragen in den Referenzdaten und Sequenzvorschau aus LAFES-JIT nicht übertragen) Vehicle data 1, not transmitted in the reference data and sequence preview of LAFES-JIT)				
Description of codes and data in segment:					
	St., Format	St.,Example::	VW-DE-Definition / Instructions for Use / Notes		
GIR					
7297 Set identification qualifier	M an..3	M +ADD	'ADD' = Additional Data / Zusätzliche Daten		
C206 IDENTIFICATION NUMBER	M	M			
7402 Identity number	M an..35	M +12345678 9012	VW-Format: n..12 system synchronisation number , transmitted only in the PAB and only by assembly plants with two or more parallel JiT assembly lines. The entries of parallel recording points in FIS are counted consecutively with <u>one</u> synchronisation number. The data for all assembly lines are transmitted over <u>one</u> logical link. After a fault/line break the synchronisation number is used to restore the logical sequence where there are several parallel assembly lines.		
7405 Identity number qualifier	C an..3	C :SSR	'SSR' = Qualifier Systems Sequence Reference		
C206 IDENTIFICATION NUMBER	C	C			
7402 Identity number	M an..35	M +ABCDEF GHIJKL	VW-Format: an..12 special specifications Field assignment must be agreed dependent on assembly, e.g. for Audi: prototype, interior equipment and trim. Supplementary description for vehicle, not transmitted in the standard case; only transmitted if additional information is agreed At present special specifications can only be transmitted in the messages from FIS-JIT.		
7405 Identity number qualifier	C an..3	C :SVS	'SVS' = Qualifier Additional Vehicle Specifications		
C206 IDENTIFICATION NUMBER	C	C			
7402 Identity number	M an..35	M +P4A	VW-Format: an..3 re-order code Data element group transmitted only in event of re-orders from FIS-JIT. (see comments)		
7405 Identity number qualifier	C an..3	C :ACO	'ACO' = Qualifier Additional Call Off / Nachbestellung		
C206 IDENTIFICATION NUMBER	C	C			
7402 Identity number	M an..35	M +ABCDEF GH	VW-Format: an..8 memo no. For pilot (prototype) vehicles the reference number of the memo is transmitted. The data element is only used for 'memo' vehicles. At present the memo no. is only available in the messages from FIS-JIT		
7405 Identity number qualifier	C an..3	C :PRI	'PRI' = Qualifier Pilot Run Identification / Vorserienkennung		

Segment:	GIR	Serial No.: 10 Status: C	Level: 2 Max.Rep.: 1(99)	RELATED IDENTIFICATION NUMBERS Zusammengehörige Identifikationsnummern
Description of codes and data in segment:				
		St., Format	St.,Example.:	VW-DE-Definition / Instructions for Use / Notes
C206 IDENTIFICATION NUMBER		C	C	VW-Format: an..6 Sequence call off reference (see comment) nnxxxx = reference data from registration point for delivery in sequence of production (30 = PAB): nn = assembly line number xxxx = serial number on assembly line Note: the zeroing of the counter depends on the local FIS-JIT installation.
7402 Identity number		M an..35	M +123456	
7405 Identity number qualifier		C an..3	C :LSR'	'LSR' = Qualifier Logical Sequence Reference
Comments:				
<p>The GIR segment 'additional vehicle data 1' is not sent in the reference data and sequence forecast from LAFES-JIT. The data element group C206 with qualifier LSR is only sent in the message application for sequence control 'SEC'. The sequence control version is only agreed and installed in exceptional cases. In special cases with regard to materials handling it is used to check and correct sequence data (qualifier = 30). When the sequence control message 'SEC' is sent the scope of data used in segment group 4 is restricted.</p>				
re-order code				
By way of the re-order code actions including creation of the electronic TSL (cost acceptance by VW-Audi) are controlled.				
Examples:				
Code	Fault type	Proposal	i.e. in	
		Cost acceptance	elec. TSL	
G..	Quality / damage`	Charged to supplier		
P..	Damage in Prod.	Charged to VW / Audi	in TSL	
F..	Defective part	Charged to supplier		
H..	Defective part	Charged to VW / Audi	in TSL	
L..	Misconstruction	Charged to supplier		
K..	Misconstruction	Charged to VW / Audi	in TSL	
E..	TE problem	Charged to VW / Audi	in TSL	
Nachbestellkennzeichen:				
References to VDA-Recommendations:				
Coding Example:				
GIR+ADD+123456789012:SSR+ABCDEFGHJKLM:SVS+P4A:ACO+ABCDEFGH:PRI+123456:LSR'				

Gruppe:	SG4	Max. Wdh.: 9999	Status: M	SG4	SEQ-DTM-GIR-LOC-SG5-SG7
Segment:	GIR	Serial No.: 11	Level: 2	RELATED IDENTIFICATION NUMBERS	
		Status: M	Max.Rep.: 1	Zusammengehörige Identifikationsnummern	
Description:	Fahrzeugdaten 2				
	Vehicle data 2				
Description of codes and data in segment:					
	St., Format	St.,Example.:	VW-DE-Definition / Instructions for Use / Notes		
GIR					
7297 Set identification qualifier	M an..3	M +4	4	= Vehicle reference / Fahrzeug-Referenz	
C206 IDENTIFICATION NUMBER	M	M			
7402 Identity number	M an..35	M +WVWZZZ 1JZ1W204 568		VW-Format: an..17 vehicle identification no. , only transmitted in the sequenced call-off, important for safety parts, spares supply.	
7405 Identity number qualifier	C an..3	C :VV	VV	= Vehicle identity number / Fahrgestell-Nummer	
C206 IDENTIFICATION NUMBER	C	C			
7402 Identity number	M an..35	M +99471436 52		VW-Format: an..10 PJKWT1234P = Order data / control no. PJ = Target production year, KW = Calendar week (ZP-8 planning date) T = Day (ZP-8 planning date) 1234 = Sequence no.. unique for each day of the week P = Test digit (Modulo 10, calculated via KWT1234)	
7405 Identity number qualifier	C an..3	C :AN	AN	= Manufacturing reference number / Kenn-Nr.	
C206 IDENTIFICATION NUMBER	C	C			
7402 Identity number	M an..35	M +991J0		VW-Format: an..5 jjaaa = 2-character model year and 3-character model ; as opposed to the sequenced call-off, in the reference data and sequence forecast data from LAFES-JIT '00' is transmitted as a constant in the model year, and the vehicle class in the model.	
7405 Identity number qualifier	C an..3	C :TMA		'TMA' = Qualifier Modell	
C206 IDENTIFICATION NUMBER	C	C			
7402 Identity number	M an..35	M +AB		VW-Format: an..4 Module Id (module code, formerly = part type group), is currently indicated by 2 characters in VW systems (see comment), it is only sent in SYNCRO Version 2The module code should be given in the module label barcode if use of the standard JiT label has been agreed. The module code should be given in the crate label barcode for delivery in sequence of production if use of the standard crate label for delivery in sequence of production has been agreed.	
7405 Identity number qualifier	C an..3	C :PGI'		PGI = Parts Group Identifier / Teileartgruppe	
Comments:					
In SYNCRO Version 2, an identifier for the module ID (module code) is sent.					
The module code combines all part numbers of a module. If a one logistics provider, for instance, sequences and delivers a number of individual assemblies (modules) for one code number, the module code is used to manage logistics operations, e.g. the assignment of location of assembly (installation cycles of modules / assemblies). In the event of changes to logistics operations, e.g. changing of installation cycles (locations of assembly) the assignment should only be changed for the logistics provider, but locations in JiT vehicle data records should not be changed.					

Segment:	GIR	Serial No.: 11 Status: M	Level: 2 Max.Rep.: 1	RELATED IDENTIFICATION NUMBERS Zusammengehörige Identifikationsnummern
<p>Because the module code in most cases has an identical form to the module identifier in the parts list, an effort should be made to use the same designation. The module code in the parts list, which currently has 2 characters, will have 3 characters (planned). A 4-character module code (currently not planned) will allow further differentiation in the long term.</p> <p>References to VDA-Recommendations:</p> <p>Coding Example: GIR+4+WVWZZZ1JZ1W204568:VV+9947143652:AN+991J0:TMA+AB:PGI '</p>				

Gruppe: SG4 Max. Wdh.: 9999		Status: M	SG4	SEQ-DTM-GIR-LOC-SG5-SG7
Segment:	LOC	Serial No.: 12 Status: C	Level: 2 Max.Rep.: 1(5)	PLACE/LOCATION IDENTIFICATION Ortsangabe
Description: Fertigungsbereichskennzeichen, wird in den Referenzdaten und Sequenzvorschau aus LAFES-JIT nicht übertragen. Manufacturing department code, not transmitted in the reference data and sequence preview of LAFES-JIT				
Description of codes and data in segment:				
		St., Format	St.,Example.:	VW-DE-Definition / Instructions for Use / Notes
LOC				
3227	Place/location qualifier	M an..3	M +54	54 = Manufacturing department / Fertigungsbereich
C517	LOCATION IDENTIFICATION	C	C	
3225	Place/location identification	C an..25	C +RB01'	VW-Format: an..4 Code for body recording point; with re-orders an agreed delivery location is transmitted.
Comments:				
References to VDA-Recommendations:				
Coding Example: LOC+54+RB01'				

Gruppe:	SG4	Max. Wdh.: 9999	Status: M	SG4	SEQ-DTM-GIR-LOC-SG5-SG7
Gruppe:	SG7	Max. Wdh.: 9999	Status: M	SG7	LIN-PIA-IMD-ALI-GIR-TDT-FTX-PAC-DTM-S
Segment:	LIN	Serial No.: 13 Status: M	Level: 2 Max.Rep.: 1		LINE ITEM Positionsdaten
Description:	Teilenummer (Teile-Nr, Zsb-Nr, LAW-Nr) Part number (parts no, assembly no, LAW no)				
Description of codes and data in segment:					
			St., Format	St.,Example::	VW-DE-Definition / Instructions for Use / Notes
LIN					
1082	Line item number	C an..6	C +	--	
1229	Action request/notification, coded	C an..3	C +	--	
C212	ITEM NUMBER IDENTIFICATION	C	C		
7140	Item number	C an..35	C + BKK A00 117 OS VD		VW-Format: an..19 Part number / VW part number in structured print format (TTT MMM UUU II FFF), blanks at the end of the article number will not be sent. Form: ` ttt mmm uuu ii fff ` ttt = Type identifier mmm = Mid group uuu = Subsidiary group ii = Index fff = Colour code = poss. logistics code
7143	Item number type, coded	C an..3	C :IN'	IN	= Buyer's item number / Sachnummer Kunde
Comments:					
References to VDA-Recommendations:					
Coding Example: LIN+++ BKK A00 117 OS VD:IN'					

Gruppe:	SG4	Max. Wdh.: 9999	Status: M	SG4	SEQ-DTM-GIR-LOC-SG5-SG7
Gruppe:	SG7	Max. Wdh.: 9999	Status: M	SG7	LIN-PIA-IMD-ALI-GIR-TDT-FTX-PAC-DTM-S
Segment:	PIA	Serial No.: 14 Status: C	Level: 3 Max.Rep.: 10	ADDITIONAL PRODUCT ID Zusätzliche Produktidentifikation	
Description:	Zusatzinformation Teileart (BESI-Teileart), wird z.Z. nicht gesendet Additional information kind of parts (BESI- kind of parts), actually not transmitted				
Description of codes and data in segment:					
St., Format St.,Example.: VW-DE-Definition / Instructions for Use / Notes					
PIA					
4347	Product id. function qualifier	M an..3	M +1	1	= <i>Additional identification / zusätzliche Produktidentifikation</i>
C212	ITEM NUMBER IDENTIFICATION	M	M		
7140	Item number	C an..35	C +AB'		VW-Format: an..4 The part type (BESI part type) currently consists of 2 characters in VW systems.
Comments: The part type (BESI part type) currently combines the part numbers in BESI for logical tests. Currently the part type is not sent and is not planned at present, the possibility of sending it is provided in SYNCRO Version 2. The data recipient should, however, make preparation to process it.					
References to VDA-Recommendations:					
Coding Example: PIA+1+AB'					

Gruppe:	SG4	Max. Wdh.: 9999	Status: M	SG4	SEQ-DTM-GIR-LOC-SG5-SG7
Gruppe:	SG7	Max. Wdh.: 9999	Status: M	SG7	LIN-PIA-IMD-ALI-GIR-TDT-FTX-PAC-DTM-S
Gruppe:	SG11	Max. Wdh.: 10	Status: M	SG11	QTY-SCC-DTM-SG12
Segment:	QTY	Serial No.: 15 Status: M	Level: 3 Max.Rep.: 1		QUANTITY Menge
Description:	Abrufmenge = Liefermenge je ZSB / Sachnummer Call-off quantity = delivery quantity per assembly / part number				
Description of codes and data in segment:					
St., Format St.,Example.: VW-DE-Definition / Instructions for Use / Notes					
QTY					
C186	QUANTITY DETAILS	M	M		
6063	Quantity qualifier	M an..3	M +131	131	= <i>Delivery quantity / Liefermenge</i>
6060	Quantity	M n..15	M :1		VW-Format: an..9 Call off quantity for each item no. (for each Order data / control no)
6411	Measure unit qualifier	C an..3	C :PCE'	PCE	= <i>pieces / Stück</i>
Comments:					
References to VDA-Recommendations:					
Coding Example:					
QTY+131:1:PCE'					

Segment:	UNT	Serial No.: 16 Status: M	Level: 0 Max.Rep.: 1	MESSAGE TRAILER Nachrichten-Endeselement
Description: Abschluß der Nachricht, Message Kontrollsegment, Final segment of message, Message check segment				
Description of codes and data in segment:				
St., Format St.,Example.: VW-DE-Definition / Instructions for Use / Notes				
UNT				
0074	Number of segments in a message	M n..6	M +15	Check counter for the total number of segments in the message (including UNH and UNT segments).
0062	Message reference number	M an..14	M +12345'	The reference number must be identical to UNH, DE 0062, and is assigned by the data sender.
Comments: The UNT segment serves to end a message and check its completeness.				
References to VDA-Recommendations:				
Coding Example: UNT+15+12345'				

Segment:	UNZ	Serial No.: 17 Status: M	Level: 0 Max.Rep.: 1	INTERCHANGE TRAILER Nutzdaten-Endesegment
Description: Abschluß der Übertragungsdatei, Ende- und Prüfsegment einer Übertragung Final segment of transmission file, terminates a transfer file and checks it for completeness				
Description of codes and data in segment:				
St., Format St.,Example.: VW-DE-Definition / Instructions for Use / Notes				
UNZ				
0036	Interchange control count	M n..6	M +1	Number of messages in a transmission
0020	Interchange control reference	M an..14	M +12345'	Transmission reference number, is allocated by sender. Reference number is identical to UNB DE0020.
Comments: The UNZ segment serves to end a transmission file and check its completeness.				
References to VDA-Recommendations:				
Coding Example: UNZ+1+12345'				