

Message layout chart

Function and intention for the EDI message in the pearl chain process

The pearl chain monitoring message (PKM) in the format EDIFACT DESADV UN D.98A S3 will be applied the first time with the beginning of the pearl chain delivery for the Audi plant Neckarsulm.

For the standard case, this EDI message closes the information cycle between the JIT-call-off order DELJIT SYNCRO, version 3 (sequence forecast with BGM+SEV or reorder BGM+30, SEQ+10) and the notification about the material shipment. We expect you to send the pearl chain monitoring message immediately after the material is dispatched at your company.

This EDI message is based on the EDIFACT DESADV D.98A message, which is already in use in the classic VOLKSWAGEN supply process and is modified with the pearl chain characteristics.

The reference data belong to information given in the DELJIT SYNCRO and the JIT forecast call-offs. Differences to this are described in the guideline.

Important new terms in the pearl chain process

Shipment package

A shipment package is a unique combination for one parts group identifier (TAG), one assembly line (ML) and one vehicle class. This shipment package has different attributes, as for example sequence number or the manufacturing reference number.

Grouping number / packaging bundle number

Unique identification number for a package or a packaging bundle (simplified handling units or outer packaging for handling units) with different sequence numbers. Thereby it is possible, that:

- there could be more than one grouping numbers within one shipment package.
- There is the same grouping number in different shipment packages. This is the case, if there are different vehicle classes and different parts group identifiers in one package or packaging bundle, which are allotted to one assembly line

We expect the grouping numbers unique for the supplier number and the place of destination. The supplier has to number the grouping numbers consecutively and has to take it on the package-label of the pearl chain process.

Bez.
St MaxWdh
Nr
Counter

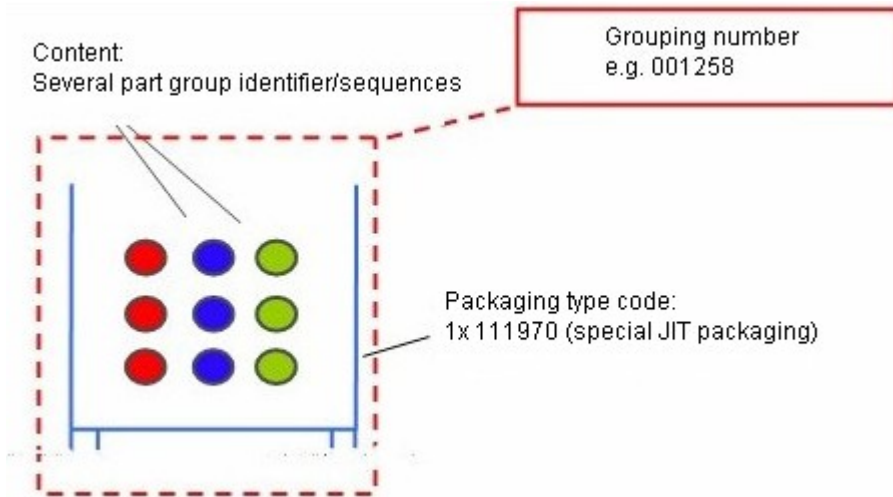
Bez = Segment-/Group-Identifier
 St = Status (M=Muss/Mandatory, C=Conditional, R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, A=Empfohlen/Advised)
 MaxWdh = maximal iteration of the Segments/Segmentgroups
 Nr = current segmentnumber in Guide
 Counter = Number of the Segments/Groups in Standard

All documented Segments/Segmentgroups are in 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.

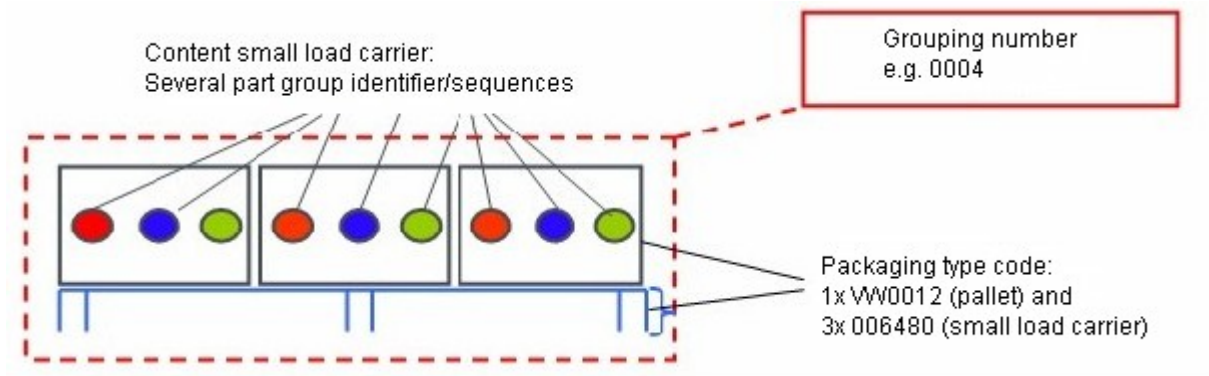
Message layout chart

Example 1:



In example 1, the grouping number „001258“ describes a package, which consists of 1x special JIT packaging with the packaging type code 111970. Within this package, there are several parts for several sequence numbers.

Example 2:



Bez.	
St	MaxWdh
Nr	
Counter	

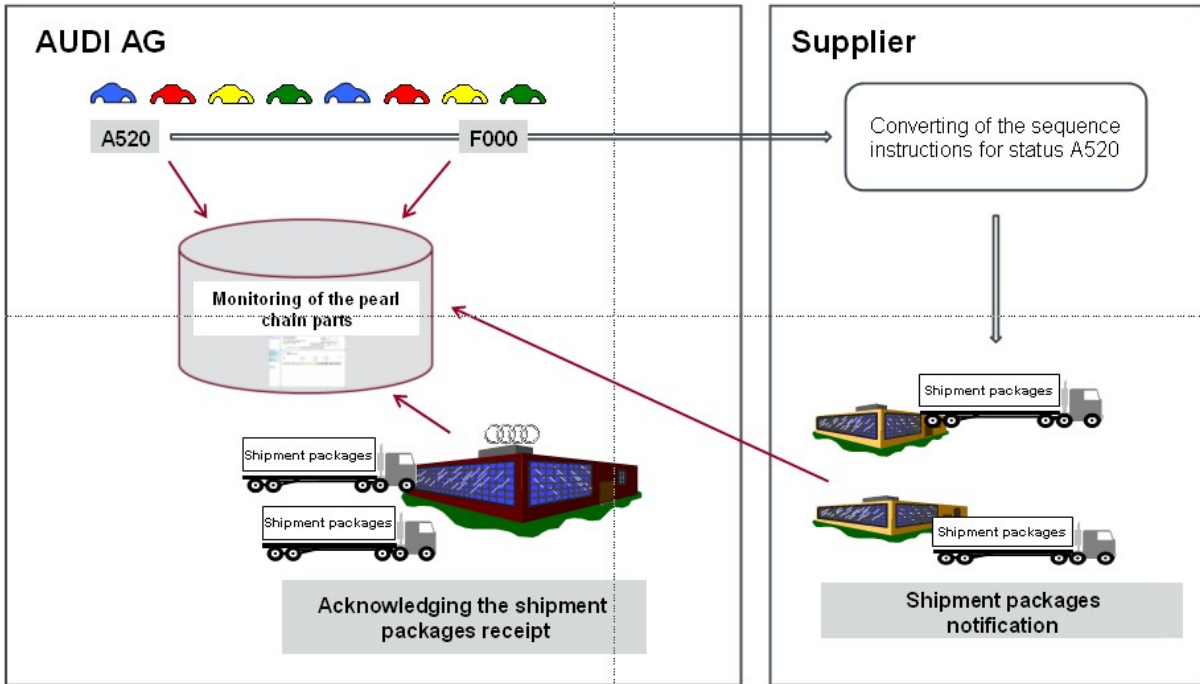
Bez = Segment-/Group-Identifier
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Message layout chart

In example 2, the grouping number "0004" describes the handling unit, which consists of 1x pallet with the packaging type code VW0012 and 3 x small load carrier with the packaging type code 006480. Within this handling unit, there are several parts for several sequence numbers.

Process chart



OFTP parameters

You can find the OFTP parameters and virtual filenames behind the following sites:

http://www.vwgroupsupply.com/b2b/vwb2b_folder/supply2public/en/zusammenarbeit/edi_elektronischer/oftp_parameter.html

Important notice: The receiving RVS station is KEY, and not R11!

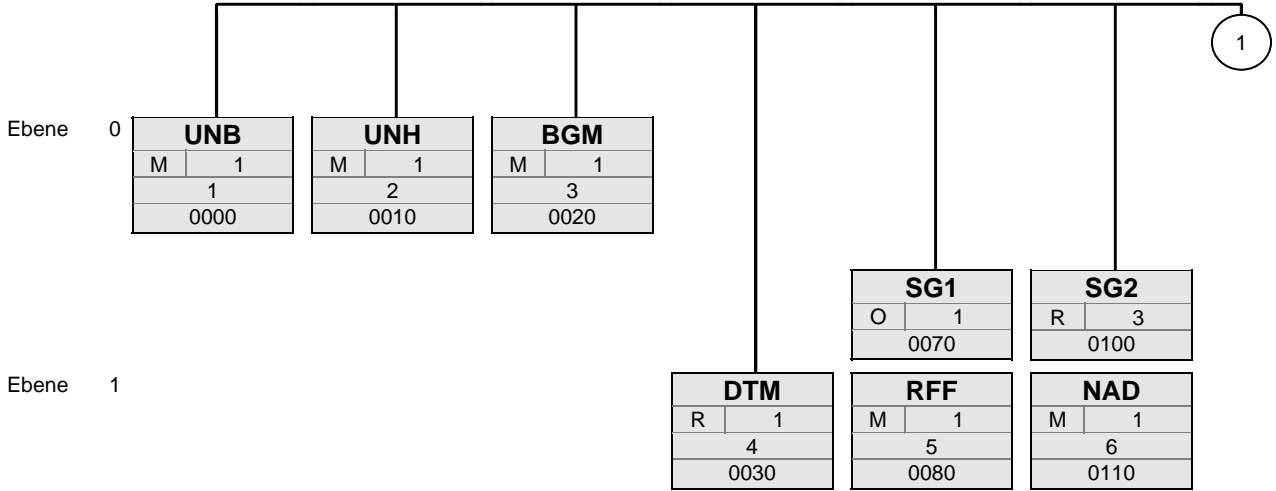
Bez.
St MaxWdh
Nr
Counter

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Message layout chart

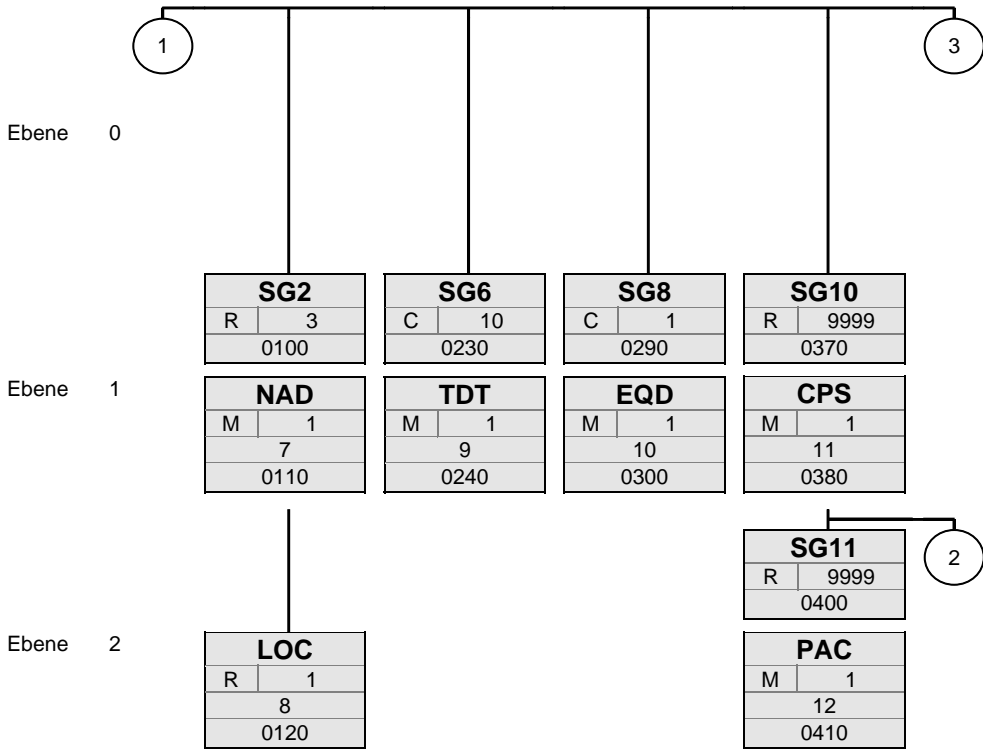


Bez.
St MaxWdh
Nr
Counter

Bez = Segment-/Group-Identifizier
 St = Status (M=Muss/Mandatory, C=Conditional, R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, A=Empfohlen/Advised)
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Message layout chart

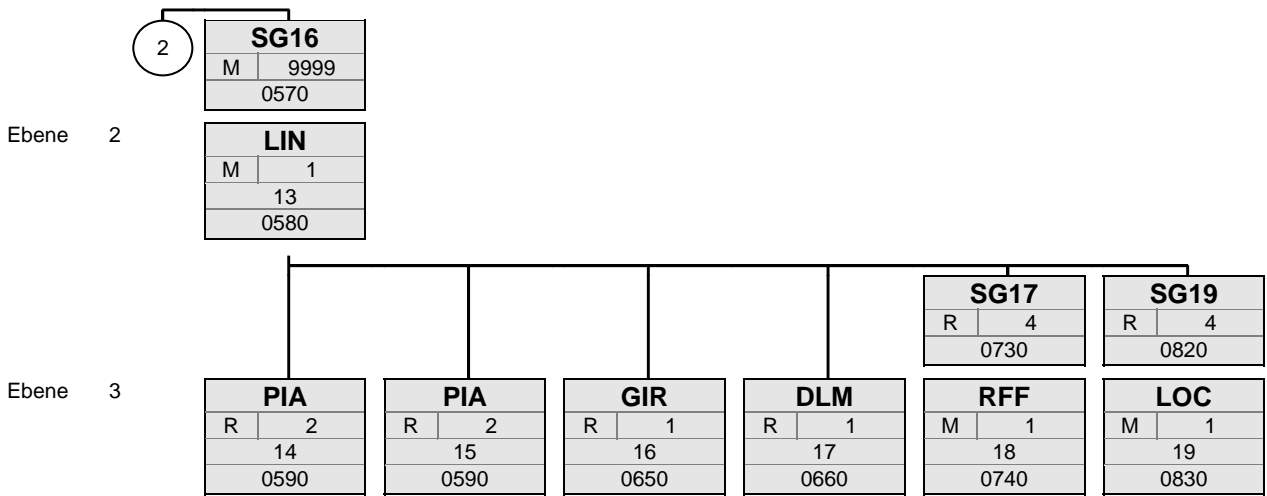


Bez.
St MaxWdh
Nr
Counter

Bez = Segment-/Group-Identifier
 St = Status (M=Muss/Mandatory, C=Conditional, R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, A=Empfohlen/Advised)
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Message layout chart



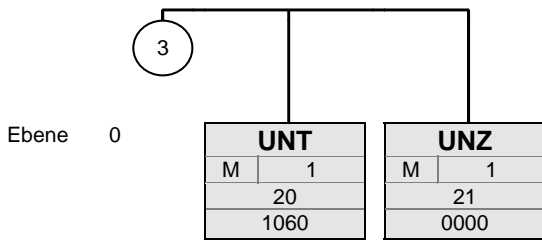
Bez.
St MaxWdh
Nr
Counter

Bez = Segment-/Group-Identifier
 St = Status (M=Muss/Mandatory, C=Conditional, R=Erforderlich/Required, O=Optional, D=Abhängig von/Dependent, A=Empfohlen/Advised)
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Message architecture

DESADV	Despatch advice message			Segmentname	
	Seg. Nr.	St. VW	Max Wdh		
	UNB	1	M	1	INTERCHANGE HEADER <i>Identification of transmission (header segment) once per transmission</i>
	UNH	2	M	1	MESSAGE HEADER <i>Identification of message type 'Despatch advice data'</i>
	BGM	3	M	1	BEGINNING OF MESSAGE <i>Initial segment of a shipment (SLB = shipment identification number), for each relation supplier plant <-> recipient plant</i>
	DTM	4	R	1	Sendungsdatum / Versanddatum (Frachtführer Übergabedatum) <i>Shipment date / Dispatch date (date of transfer to carrier)</i>
	SG1		O	1	RFF
	RFF	5	M	1	Transport-ID <i>Transport ID</i>
	SG2		R	3	NAD
	NAD	6	M	1	Supplier code <i>Data of goods sender / supplier</i>
	SG2		R	3	NAD-LOC
	NAD	7	M	1	Recipient plant (customer plant) <i>Recipient plant (customer plant)</i>
	LOC	8	R	1	Place of delivery <i>Place of delivery</i>
	SG6		C	10	TDT
	TDT	9	M	1	DETAILS OF TRANSPORT <i>Mode of transport, carrier, Means of transport ID</i>
	SG8		C	1	EQD
	EQD	10	M	1	EQUIPMENT DETAILS <i>Equipment / means of transport (trailer / swap body)</i>
	SG10		R	9999	CPS-SG11-SG16
	CPS	11	M	1	CONSIGNMENT PACKING SEQUENCE
	SG11		R	9999	PAC
	PAC	12	M	1	PACKAGE
	SG16		M	9999	LIN-PIA-PIA-GIR-DLM-SG17-SG19
	LIN	13	M	1	Shipment package <i>Shipment package</i>
	PIA	14	R	2	ADDITIONAL PRODUCT ID <i>Unique key identifiers of a shipment unit</i>
	PIA	15	R	2	ADDITIONAL PRODUCT ID <i>Characteristics of the shipment package</i>
	GIR	16	R	1	RELATED IDENTIFICATION NUMBERS
	DLM	17	R	1	Status information <i>Status information</i>
	SG17		R	4	RFF
	RFF	18	M	1	Delivery note number <i>Delivery note number, Line item number</i>
	SG19		R	4	LOC
	LOC	19	M	1	Unloading point <i>Unloading point</i>
	UNT	20	M	1	MESSAGE TRAILER <i>Final segment of message</i>

All documented Segments/Segmentgroups are in 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.

Message architecture

	Seg. Nr.	St. VW	Max Wdh	Segmentname
UNZ	21	M	1	INTERCHANGE TRAILER <i>Final segment of transmission file</i>

All documented Segments/Segmentgroups are in this message structure described. A documented Segment/Segmentgroup shouldn't have to be assigned always.

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pattern message

DESADV Despatch advice message

	Stat.	Max.	No.	Segment	Contents
	Rep.				
UNB	1	M	1		UNB+UNOA:2+O0013000001XYZ Z01+O0013000001VW KEY+00122 0:1247+1234567'
UNH	2	M	1		UNH+12345+DESADV:D:98A:UN'
BGM	3	M	1		BGM+350+12345678:1+9'
DTM	4	R	1		DTM+11:200012201800:203'
SG1		O	1		
RFF	5	M	1		RFF+AAO:1234567891234'
SG2		R	3		
NAD	6	M	1		NAD+CZ+012830'
SG2		R	3		
NAD	7	M	1		NAD+CN+11::92'
LOC	8	R	1		LOC+7+H18::92'
SG6		C	10		
TDT	9	M	1		TDT+12++30+9++++:146:5:WOB-AD 1210:DE'
SG8		C	1		
EQD	10	M	1		EQD+TE+WOB-AD555:146'
SG10		R	9999		
CPS	11	M	1		CPS+1'
SG11		R	9999		
PAC	12	M	1		PAC+1+::11+110848::92'
SG16		M	9999		
LIN	13	M	1		LIN+++VERSANDPAKET'
PIA	14	R	2		PIA+1+L1L1:PGI::92+02:AB+4H0:TMA::92'
PIA	15	R	2		PIA+1+019464:PKS::92+10:SAT::92+:10:121'
GIR	16	R	1		GIR+4+9947143652:AN+1:AO'
DLM	17	R	1		DLM+++MAT::92'
SG17		R	4		
RFF	18	M	1		RFF+AAU:13'
SG19		R	4		
LOC	19	M	1		LOC+11+10174::92'
UNT	20	M	1		UNT+19+12345'
UNZ	21	M	1		UNZ+1+1234567'

Segments

Nr.	Bez	St	MaxWdh	Level	Name
2	UNH	M	1	0	MESSAGE HEADER

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
UNH				
0062	Message reference number	M an..14	M an..5	Message reference number in transmission file, starting with 1; assigned by sender (converter)
S009	MESSAGE IDENTIFIER	M	M	
0065	Message type identifier	M an..6	M an..6	DESADV Despatch advice message
0052	Message type version number	M an..3	M an..3	D Draft version/UN/EDIFACT Directory
0054	Message type release number	M an..3	M an..3	98A Release 1998 - A (Directory)
0051	Controlling agency	M an..2	M an..2	UN UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)

Comment:

The UNH segment defines, that the message is about shipment data (i.e.delivery note and transport data). The DESADV message is to repeat with the frame segments UNH and UNT for each shipment, i.e. SLB-No. (BGM, C106, DE 1004) in one transmission.

Example:

UNH+12345+DESADV:D:98A:UN'

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
 MaxWdh = maximal iteration of the Segments/Segmentgroups

St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
3	BGM	M	1	0	BEGINNING OF MESSAGE

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
BGM				
C002	DOCUMENT/MESSAGE NAME	C	R	
1001	Document/message name, coded	C an..3	R an..3	message type, encoded 350 Shipping instruction
C106	DOCUMENT/MESSAGE IDENTIFICATION	C	R	
1004	Document/message number	C an..35	R n..8	Shipment identification number, assigned by consignor / shipper. Recurrence within one year is not allowed. For each relation supplier plant <-> recipient plant at least one SLB number is to allocate. The SLB number must be clearly marked on the bill of lading.
1056	Version	C an..9	O an..9	
1225	Message function, coded	C an..3	O an..3	9 Original Message can be transmitted as original only once. Copies will not be accepted.

Comment:

In data element 1004 the shipment identification number (SLB) is mandatory. The delivery note number is to reference in SG17, RFF beneath the article level. The DESADV message is to repeat with the frame segments UNH and UNT for each shipment, i.e. SLB-No. (BGM, C106, DE 1004) in one transmission.

Example:

BGM+350+12345678:1+9'

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
 MaxWdh = maximal iteration of the Segments/Segmentgroups

St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
4	DTM	R	1	1	Despatch date and / or time (Transfer date from supplier to carrier)

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
DTM				
C507	DATE/TIME/PERIOD	M	M	
2005	Date/time/period qualifier	M an..3	M an..3	11 Despatch date and / or time
2380	Date/time/period	C an..35	R n..12	Date and time of shipment's transfer from supplier to carrier.
2379	Date/time/period format qualifier	C an..3	R an..3	203 CCYYMMDDHHMM

Comment:

Scheduled date and time of shipment's transfer from supplier to carrier

Example:

DTM+11:200012201800:203'

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
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St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG1	O	1	1	RFF
5	RFF	M	1	1	Transport-ID

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
RFF				
C506	REFERENCE	M	M	
1153	Reference qualifier	M an..3	M an..3	AAO Consignee's shipment reference number
1154	Reference number	C an..35	R n..13	Transport-ID of the despatch-call.off GLOBAL DELJIT SG1, RFF+AAO

Comment:

The transport ID is transmitted in the despatch call-off in the NLK process. In the JIT process this value is not used yet.

Example:

RFF+AAO:1234567891234'

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
 MaxWdh = maximal iteration of the Segments/Segmentgroups

St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG2	R	3	1	NAD
6	NAD	M	1	1	Supplier code

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
NAD				
3035	Party qualifier	M an..3	M an..3	CZ consignor
C082	PARTY IDENTIFICATION DETAILS	C		
3039	Party identification	M an..35	M an..10	The supplier code is to taken from the DELJIT SYNCRO NAD+CZ unmodified.

Comment:

Example:

NAD+CZ+012830'

Bez = Objekt-Identifier
 Nr = current segmentnumber in Guide
 MaxWdh = maximal iteration of the Segments/Segmentgroups

St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG2	R	3	1	NAD-LOC
7	NAD	M	1	1	Recipient plant (customer plant)

		Standard		Implementation		
Bez	Name	St	Format	St	Format	Anwendung / Bemerkung
NAD						
3035	Party qualifier	M	an..3	M	an..3	CN consignee
C082	PARTY IDENTIFICATION DETAILS	C		R		
3039	Party identification	M	an..35	M	an..3	Destination, recipient plant encoded Consignee, recipient plant
1131	Code list qualifier	C	an..3	N	an..3	
3055	Code list responsible agency, coded	C	an..3	R	an..3	92 assigned by buyer or buyer's agent

Comment:

Example:

NAD+CN+11::92'

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 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG2	R	3	1	NAD-LOC
8	LOC	R	1	2	Place of delivery

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
LOC				
3227	Place/location qualifier	M an..3	M an..3	7 Place of delivery
C517	LOCATION IDENTIFICATION	C	R	
3225	Place/location identification	C an..25	R an..3	Place of delivery, encoded VDA4905, SA 512, Pos 19 (a7, Stelle 1-3) DELFOR SG 12, LOC C517 DE3225 (a7, Stelle 1-3)
1131	Code list qualifier	C an..3	N an..3	
3055	Code list responsible agency, coded	C an..3	an..3	92 assigned by buyer or buyer's agent

Comment:

Example:

LOC+7+H18:::92'

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
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Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG6	C	10	1	TDT
9	TDT	M	1	1	DETAILS OF TRANSPORT

		Standard	Implementation		
Bez	Name	St Format	St Format	Anwendung / Bemerkung	
TDT					
8051	Transport stage qualifier	M an..3	M an..3	12 at departure	
8028	Conveyance reference number	C an..17	N an..17		
C220	MODE OF TRANSPORT	C	R		
8067	Mode of transport, coded	C an..3	R an..3	30 road transport 20 rail transport 60 multimodal transport 40 air transport 50 mail 10 maritime transport	
C228	TRANSPORT MEANS	C	O		
8179	Type of means of transport identification	C an..8	O an..8	9 exceptional transport 15 Taxi 38 Car	
C040	CARRIER	C	N		
3127	Carrier identification	C an..17	N an..17		
8101	Transit direction, coded	C an..3	N an..3		
C401	EXCESS TRANSPORTATION INFORMATION	C	N		
8457	Excess transportation reason, coded	M an..3	an..3		
C222	TRANSPORT IDENTIFICATION	C	R		
8213	Id. of means of transport identification	C an..9	N an..9		
1131	Code list qualifier	C an..3	R an..3	146 means of transport identification	
3055	Code list responsible agency, coded	C an..3	an..3	5 ISO (International Organization for Standardization)	
8212	Id. of the means of transport	C an..35	R an..25	Depending of the means of transport the registration numbers for the vehicle, truck or swap body, waggon number, the ship's name or flight no. are to be entered here.	
8453	Nationality of means of transport, coded	C an..3	O an..3		

Comment:**Example:**

TDT+12++30+9++++:146:5:WOB-AD 1210:DE'

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
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Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG8	C	1	1	EQD
10	EQD	M	1	1	EQUIPMENT DETAILS

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
EQD				
8053	Equipment qualifier	M an..3	M an..3	AE body trailer CN container RR rail car SW swap body TE trailer
C237	EQUIPMENT IDENTIFICATION	C	R	
8260	Equipment identification number	C an..17	R an..12	Means' of transport identification, i.e. registration number trailer number, swap body number, waggon number, ...
1131	Code list qualifier	C an..3	R an..3	146 means of transport identification

Comment:

This segment is only to transmit, if additionally a trailer or swap body (non-automotive means of transport) is used.

Example:

EQD+TE+WOB-AD555:146'

Bez = Objekt-Identifier
 Nr = current segmentnumber in Guide
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Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG10	R	9999	1	CPS-SG11-SG16
11	CPS	M	1	1	CONSIGNMENT PACKING SEQUENCE

Standard			Implementation	
Bez	Name	St	Format	Anwendung / Bemerkung
CPS				
7164	Hierarchical id. number	M	an..12	M n1 The CPS segment is not used. As it is a mandatory segment, you have to fill it with the value "1" continuous.

Comment:

Example:

CPS+1'

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
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Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG10	R	9999	1	CPS-SG11-SG16
	SG11	R	9999	2	PAC
	The segment group 11 has to be repeated for different packaging numbers				
12	PAC	M	1	2	PACKAGE

		Standard	Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
PAC				
7224	Number of packages	C n..8	R n..3	Number of same packaging in one shipment.
C531	PACKAGING DETAILS	C	R	
7075	Packaging level, coded	C an..3	N an..3	
7233	Packaging related information, coded	C an..3	an..3	
7073	Packaging terms and conditions, coded	C an..3	R an..3	11 VW own reusable packaging 12 supplier own reusable packaging 13 Not packed 1 One way packaging cost paid by supplier 2 One way packaging cost paid by recipient
C202	PACKAGE TYPE	C	R	
7065	Type of packages identification	C an..17	R an..7	Packaging type / packaging number / packaging code Standard one-way packaging do need a packaging code.
1131	Code list qualifier	C an..3	N an..3	
3055	Code list responsible agency, coded	C an..3	R an..3	92 assigned by buyer or buyer's agent; when using VW standard packaging the codes defined by VW are applicable 91 assigned by seller or seller's agent 204 DE, VDA (Verband der Automobilindustrie E.V.), when using standard one-way packaging the codes defined by VDA are applicable

Comment:

Example:

PAC+1+::11+110848::92'

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
 MaxWdh = maximal iteration of the Segments/Segmentgroups

St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG10	R	9999	1	CPS-SG11-SG16
	SG16	M	9999	2	LIN-PIA-GIR-DLM-SG17-SG19
	The segment group 16 has to be repeated for each car/sequence number!				
13	LIN	M	1	2	Shipment package

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
LIN				
1082	Line item number	C an..6	N an..6	
1229	Action request/notification, coded	C an..3	N an..3	
C212	ITEM NUMBER IDENTIFICATION	C	R	
7140	Item number	C an..35	R an12	Article no. has to be "VERSANDPAKET" continuous.

Comment:

Example:

LIN++VERSANDPAKET'

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
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 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG10	R	9999	1	CPS-SG11-SG16
	SG16	M	9999	2	LIN-PIA-GIR-DLM-SG17-SG19
	The segment group 16 has to be repeated for each car/sequence number!				
14	PIA	R	2	3	ADDITIONAL PRODUCT ID

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
PIA				
4347	Product id. function qualifier	M an..3	M an..3	1 Additional identification
C212	ITEM NUMBER IDENTIFICATION	M	M	
7140	Item number	C an..35	R an..4	The item parts group identifier (TAG) combines all part numbers of a module. Source data: DELJIT SYNCRO "A520 DELJIT D97A, GIR-segment (7402, qualifier PGI)
7143	Item number type, coded	C an..3	R an..3	
1131	Code list qualifier	C an..3	N an..3	
3055	Code list responsible agency, coded	C an..3	an..3	92 assigned by buyer or buyer's agent
C212	ITEM NUMBER IDENTIFICATION	C	R	
7140	Item number	C an..35	R an2	Assembly line Assembly line, on that a car is built up in the production. Source data: DELJIT SYNCRO "A520 DELJIT D97A, SEQ-segment 1050, digit 1-2)
7143	Item number type, coded	C an..3	R an..3	AB Assembly line
C212	ITEM NUMBER IDENTIFICATION	C	R	
7140	Item number	C an..35	R an..3	3-character car model: Describes the type of a car (type, model, configuration) 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.
7143	Item number type, coded	C an..3	R an..3	TMA vehicle class
1131	Code list qualifier	C an..3	N an..3	
3055	Code list responsible agency, coded	C an..3	O an..3	92 assigned by buyer or buyer's agent

Comment:

Example:

PIA+1+L1L1:PGI::92+02:AB+4H0:TMA::92'

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 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG10	R	9999	1	CPS-SG11-SG16
	SG16	M	9999	2	LIN-PIA-GIR-DLM-SG17-SG19
The segment group 16 has to be repeated for each car/sequence number!					
15	PIA	R	2	3	ADDITIONAL PRODUCT ID

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
PIA				
4347	Product id. function qualifier	M an..3	M an..3	1 Additional identification
C212	ITEM NUMBER IDENTIFICATION	M		
7140	Item number	C an..35	R an..10	Source data: DELJIT SYNCRO V3, A520 DELJIT D97, SEQ+3, DE 1050 To the beginning, the production sequence data is transmitted in DELJIT SYNCRO. In the future the 10-digit "pearl chain production sequence number" will be transmitted at this place. In general the value from the delivery instructions has to be used! Actual: 4-digit long number on the assembly line. This number is assigned at the time of car production planning at the status A520. This number is called "sequence number". Theoretical: Pearl chain production sequence number: The pearl chain production number is 10-digits long with a 2-digit attribute "10" and "20" for cars, which have NO pearl chain specification and "30" for those cars with pearl chain specification. This number is assigned with the system FIS-DISPO at the time of car production planning (daily package at status A5xx). The sequence attribute is expected in the following data group!
7143	Item number type, coded	C an..3	R an..3	
1131	Code list qualifier	C an..3	N an..3	
3055	Code list responsible agency, coded	C an..3	an..3	92 assigned by buyer or buyer's agent
C212	ITEM NUMBER IDENTIFICATION	C	O	
7140	Item number	C an..35	O n2	Sequence-attribute The sequence attribute is not transmitted in the delivery instructions yet. It is planned to transmit this attribute in the DELJIT SYNCRO V3. Affected suppliers will be informed in a separate information.

Bez = Objekt-Identifizier
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 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

		Standard		Implementation		
Bez	Name	St	Format	St	Format	Anwendung / Bemerkung
7143	Item number type, coded	C	an..3	O	an..3	
1131	Code list qualifier	C	an..3	N	an..3	
3055	Code list responsible agency, coded	C	an..3	O	an..3	92 assigned by buyer or buyer's agent
C212	ITEM NUMBER IDENTIFICATION	C		R		
7140	Item number	C	an..35	N	an..35	
7143	Item number type, coded	C	an..3	R	an..3	The value results from the pearl chain sequence instruction DELJIT SYNCRO. The following combinations are possible: BGM+SEV, SEQ+3= Code 3, BGM+30 and SEQ+10=Code 10
1131	Code list qualifier	C	an..3	R	an..3	121 Shipment status

Comment:

Example:

PIA+1+019464:PKS::92+10:SAT::92+:10:121'

Bez = Objekt-Identifier
 Nr = current segmentnumber in Guide
 MaxWdh = maximal iteration of the Segments/Segmentgroups

St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG10	R	9999	1	CPS-SG11-SG16
	SG16	M	9999	2	LIN-PIA-GIR-DLM-SG17-SG19
	The segment group 16 has to be repeated for each car/sequence number!				
16	GIR	R	1	3	RELATED IDENTIFICATION NUMBERS

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
GIR				
7297	Set identification qualifier	M an..3	M an..3	4 Vehicle reference set
C206	IDENTIFICATION NUMBER	M	M	
7402	Identity number	M an..35	M an10	Value from pearl chain call off DELJIT SYNCRO: GIR+AN has to be used 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	R an..3	AN Manufacturing reference number
C206	IDENTIFICATION NUMBER	C	R	
7402	Identity number	M an..35	R an..10	Grouping number / packaging bundle number Unique identification number for a package or a packaging bundle (simplified handling units or outer packaging for handling units) with different sequence numbers. Thereby it is possible, that there could be more than one grouping numbers within one shipment package. It is also possible, that there is the same grouping number in different shipment packages. This is the case, if there are different vehicle classes and different parts group identifiers in one package or packaging bundle, which are allotted to one assembly line We expect the grouping numbers unique for the supplier number and the place of destination. The supplier has to number the grouping numbers consecutively and has to take it on the package-label of the pearl chain process.
7405	Identity number qualifier	C an..3	R an..3	AO Position number in package

Comment:

Example:

GIR+4+9947143652:AN+1:AO'

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 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG10	R	9999	1	CPS-SG11-SG16
	SG16	M	9999	2	LIN-PIA-GIR-DLM-SG17-SG19
	The segment group 16 has to be repeated for each car/sequence number!				
17	DLM	R	1	3	Status information

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
DLM				
4455	Back order, coded	C an..3	N an..3	
C522	INSTRUCTION	C	N	
4403	Instruction qualifier	M an..3	an..3	Value is not needed by consignee nor processed
C214	SPECIAL SERVICES IDENTIFICATION	C	R	
7161	Special services, coded	C an..3	R an..3	Status of the shipment package. At the moment the status MAT = material on transport is allowed. Other status are planned.
1131	Code list qualifier	C an..3	N an..3	
3055	Code list responsible agency, coded	C an..3	O an..3	92 assigned by buyer or buyer's agent

Comment:

Example:

DLM+++MAT: : 9 2 '

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
 MaxWdh = maximal iteration of the Segments/Segmentgroups

St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG10	R	9999	1	CPS-SG11-SG16
	SG16	M	9999	2	LIN-PIA-GIR-DLM-SG17-SG19
					The segment group 16 has to be repeated for each car/sequence number!
	SG17	R	4	3	RFF
18	RFF	M	1	3	Delivery note number

		Standard		Implementation	
Bez	Name	St	Format	St	Format
RFF					
C506	REFERENCE	M		M	
1153	Reference qualifier	M	an..3	M	an..3
1154	Reference number	C	an..35	R	n..8
					Anwendung / Bemerkung
					AAU despatch note number
					Delivery note number: Identification assigned by supplier, is not permitted to repeat within one year.

Comment:

Example:

RFF+AAU:13'

Bez = Objekt-Identifier
 Nr = current segmentnumber in Guide
 MaxWdh = maximal iteration of the Segments/Segmentgroups

St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
	SG10	R	9999	1	CPS-SG11-SG16
	SG16	M	9999	2	LIN-PIA-GIR-DLM-SG17-SG19
					The segment group 16 has to be repeated for each car/sequence number!
	SG19	R	4	3	LOC
19	LOC	M	1	3	Unloading point

		Standard		Implementation	
Bez	Name	St	Format	St	Format
LOC					
3227	Place/location qualifier	M	an..3	M	an..3
					11 place of discharge
C517	LOCATION IDENTIFICATION	C		R	
3225	Place/location identification	C	an..25	R	an..5
					Unloading point
1131	Code list qualifier	C	an..3	N	an..3
3055	Code list responsible agency, coded	C	an..3	O	an..3
					92 assigned by buyer or buyer's agent

Comment:

Example:

LOC+11+10174:::92'

Bez = Objekt-Identifier
 Nr = current segmentnumber in Guide
 MaxWdh = maximal iteration of the Segments/Segmentgroups

St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used

Segments

Nr.	Bez	St	MaxWdh	Level	Name
20	UNT	M	1	0	MESSAGE TRAILER

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
UNT				
0074	Number of segments in a message	M n..6	M n..6	Number of segments in one message
0062	Message reference number	M an..14	M an..14	reference number of message in transmission file, identical with UNH DE 0062

Comment:

Example:

UNT+19+12345'

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
 MaxWdh = maximal iteration of the Segments/Segmentgroups

St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
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Segments

Nr.	Bez	St	MaxWdh	Level	Name
21	UNZ	M	1	0	INTERCHANGE TRAILER

Standard			Implementation	
Bez	Name	St Format	St Format	Anwendung / Bemerkung
UNZ				
0036	Interchange control count	M n..6	M n..6	number of messages in one transmission file, should be always 1
0020	Interchange control reference	M an..14	M an..14	reference number of transmission, identical with UNB DE 0020

Comment:

Example:

UNZ+1+1234567'

Bez = Objekt-Identifizier
 Nr = current segmentnumber in Guide
 MaxWdh = maximal iteration of the Segments/Segmentgroups

St = Status
 EDIFACT: M=Muss/Mandatory, C=Conditional
 Anwendung: R=Erforderlich/Required, N=Nicht benutzt/Not used