

VOLKSWAGEN

AKTIENGESELLSCHAFT

Volkswagen VDA 4933 T4 Packaging Transport Order Confirmation

VDA 2.0 - VW 2.0

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Introduction

1. Introduction

These guidelines describe the technical requirements of VOLKSWAGEN for sending a supplier's automated ready-for-transport message to a regional carrier.

This guideline is based on the VDA Recommendation 4933 T1.

2. The process scenario at Volkswagen

The VDA 4933 T1 is normally generated by the supplier on the day before the scheduled pick up and sent to Volkswagen. Volkswagen forwards the unchanged data to the regional carrier that is included in the message. The key for the forwarding is the DUNS no. or the local supplier number of the carrier. It is absolutely imperative that the data is correct at this point!

The notification is carried out once a day and must be transmitted no later than the time specified in the General Shipping Instructions. Changes are not transmitted by EDI and instead need to be clarified with the carrier on a bilateral basis outside of the EDI process.

Suppliers who themselves are not in a position to send a VDA 4933 T1 by classic EDI have the option of using the DISCOVERY web application to notify the carrier about the pick-up of their goods.

3. Scope

As a rule, this recommendation applies to all VOLKSWAGEN brands and locations participating in the process.

4. References

Volkswagen application manuals & technical parameters VFN etc.

http://www.vwgroupsupply.com/one-kbp-pub/en/kbp_public/information/electronic_data_interchange/electronic_data_interchange.html

Validation portal

<https://portal.gefeg.com/Volkswagen.htm>

VDA recommendation

<https://www.vda.de/de/verband/organisation/organisation-ausschuesse/arbeitskreis-kit/ak-kit-empfehlungen.html>

Global DESADV

<http://www.odette.org/publications>

Changelog

SG	Se	No	DE	Date	Version	Description
Interchange trailer				2022-10-20	2.0	Adaptation to S3 compliant profile of EDIFACT S4 (ISO 9735 Part 11).
UNZ	056					
Message trailer				2022-10-20	2.0	Adaptation to S3 compliant profile of EDIFACT S4 (ISO 9735 Part 11).
UNT	055					
Place of transshipment				2022-10-20	2.0	Deleted code 92. Added code O92
SG2	LOC	035	3055			
A party in charge of groupage.				2022-10-20	2.0	Deleted codes 91, 92. Added codes O91, O92
SG2	NAD	034	3055			
Ship from's - Shipping point empties				2022-10-20	2.0	Format an..256 --> an..35
SG2	NAD	022	3042			
Ship from's - Shipping point empties				2022-10-20	2.0	Format an..256 --> an..35
SG2	NAD	022	3042			
Message Recipient name and address				2022-10-20	2.0	Format an..256 --> an..35
SG2	NAD	020	3042			
Message Recipient name and address				2022-10-20	2.0	Format an..256 --> an..35
SG2	NAD	020	3042			
Message Recipient name and address				2022-10-20	2.0	Format an..70 --> an..35
SG2	NAD	020	3036			
Message Recipient name and address				2022-10-20	2.0	Format an..70 --> an..35
SG2	NAD	020	3036			
Message Sender				2022-10-20	2.0	Format an..256 --> an..35
SG2	NAD	018	3042			
Message Sender				2022-10-20	2.0	Format an..256 --> an..35
SG2	NAD	018	3042			
Message Sender				2022-10-20	2.0	Format an..70 --> an..35
SG2	NAD	018	3036			
Message Sender				2022-10-20	2.0	Format an..70 --> an..35
SG2	NAD	018	3036			
Message header				2022-10-20	2.0	GAVO16 --> GAVO20
UNH	003	0057				
Message header				2022-10-20	2.0	Adaptation to S3 compliant profile of EDIFACT S4 (ISO 9735 Part 11).
UNH	003					
Interchange header				2022-10-20	2.0	Format n6 -> n8 Added description: Attention: Difference to S3, 8 digits (including century)! Format CCYYMMDD
UNB	002	0017				
Interchange header				2022-10-20	2.0	Deleted codes 2 and 3. Added code X. Added description: To use syntax version 4 according to the ISO 9735-11 profile, code "X" must be used here.
UNB	002	0002	X			
Interchange header				2022-10-20	2.0	Added remark.
UNB	002					
Service string advice				2022-10-20	2.0	Status O -> R Added description.
UNA	001					
				2022-10-20	2.0	Adaptation to S3 compliant profile of

SG	Se	No	DE	Date	Version	Description
						EDIFACT S4 (ISO 9735 Part 11).
				2022-09-08	2.0	Status C --> R
Maximum stacking weight			Measurement unit code			
SG12	MEA 051	6411	KGM			
Maximum stacking weight				2022-09-08	2.0	Segments MEA+ABU and MEA+AAZ+AAB deleted.
SG12	MEA 051					
Width			Measurement unit code	2022-09-08	2.0	Status C --> R
SG12	MEA 048	6411	MMT			
Length			Measurement unit code	2022-09-08	2.0	Status C --> R
SG12	MEA 047	6411	MMT			
Length			Measured attribute code	2022-09-08	2.0	Status C --> R
SG12	MEA 047	6313	LN			
Length				2022-09-08	2.0	Status C --> R
SG12	MEA 047					
Place of discharge			Code list responsible agency code	2022-09-08	2.0	Code O91 --> O92
SG2	LOC 026	3055	O92			
Consignment's loading meters			Measurement unit code	2022-09-08	2.0	Status C --> R
	MEA 011	6411	MTR			
Consignment volume (Total cube)			Measurement unit code	2022-09-08	2.0	Status C --> R
	MEA 010	6411	MTQ			
Consignment's gross weight			Measurement unit code	2022-09-08	2.0	Status C --> R
	MEA 009	6411	KGM			
Number of handling units in shipment			Measurement unit code	2022-09-08	2.0	Status C --> R
	MEA 008	6411	C62			
Confirmed delivery or pick-up date/time			Date or time or period function code qualifier	2022-09-08	2.0	Added Remark.
	DTM 007	2005	79			
SG16				2022-08-24	2.0	MaxRep 2 --> 1
Handling unit label type			Marking instructions code	2022-08-24	2.0	Status O --> R
SG14	PCI 052	4233	17			Deleted codes 3, 16.
Package			Code list responsible agency code	2022-08-23	2.0	Deleted format an..3 as the format in standard is an..3.
SG12	PAC 046	3055	O91			
Package				2022-08-23	2.0	Status O --> N
SG12	PAC 046					
Package			Package quantity	2022-08-23	2.0	Format n..6 --> n..4
SG12	PAC 046	7224				
Arrival date and time			Required arrival date and time for this transport leg	2022-08-23	2.0	Inserted name.
SG7	DTM 043	2380				
Current place of arrival			Geo coordinates - latitude/longitude	2022-08-23	2.0	New data element C519.3223 added.
SG7	LOC 042	3223				
Departure date and time			Date or time or period format code	2022-08-23	2.0	Corrected the code list. Added code 102 and deleted duplicate code 719.
SG7	DTM 040	2379	203			
Transport details of one transport leg				2022-08-23	2.0	New composite data element C290
SG6	TDT 037					
Transport details of one transport leg			Power type code	2022-08-23	2.0	New: 7041 Power type

SG	Se	No	DE	Date	Version	Description
SG6	TDT	037	7041	1		
	Communication contact			2022-08-23	2.0	Remark added
SG4	COM	033				
	Communication contact			2022-08-23	2.0	Status C --> O
SG4	COM	033				
	Message Recipient name and address	Country identifier	DE	2022-08-23	2.0	Status C --> O
SG2	NAD	020	3207			
	Message Recipient name and address	Postal identification code		2022-08-23	2.0	Status C --> O
SG2	NAD	020	3251			
	Message Recipient name and address	Country subdivision identifier		2022-08-23	2.0	Remark added.
SG2	NAD	020	3229			
	Message Recipient name and address			2022-08-23	2.0	Name(DE) added.
SG2	NAD	020				
	Message Sender	Party identifier		2022-08-23	2.0	Format an..35 deleted.
SG2	NAD	018	3039			
	Message header	Association assigned code		2022-08-22	2.0	GAVO14 --> GAVO16
	UNH	003	0057			
	Message header	Message release number		2022-08-22	2.0	Directory change from 07A => 20B as of VDA 1.6
	UNH	003	0054			
	Package	Returnable package load contents code	20B			
SG12	PAC	046	8393			
			11	2020-10-12	1.1	Data element added.
	Package			2020-10-12	1.1	New: C532
SG12	PAC	046				
	Package identification, assigned by the logistics service provider			2020-02-19	1.0	Segment added: GIN+X01 - Package identification, assigned by the logistics service provider
SG16	GIN	054				
	Reference			2020-02-19	1.0	Segment added: RFF+ANK - DUNS
SG3	RFF	036				
	Place of transshipment			2020-02-19	1.0	Segment added: LOC+13 - Place of transshipment
SG2	LOC	035				
	A party in charge of groupage.			2020-02-19	1.0	Segment added: NAD+FZ - A party in charge of groupage.
SG2	NAD	034				
	Message header	Association assigned code		2020-02-19	1.0	GBOH10 --> GAVO14
	UNH	003	0057			
	Current place of arrival	Geo coordinates - latitude/longitude		2019-12-31	1.0	Remark changed.
SG7	LOC	042	3223			
	Reference			2019-12-31	1.0	New
SG3	RFF	036				
	Place of transshipment			2019-12-31	1.0	New
SG2	LOC	035				
	A party in charge of groupage.			2019-12-31	1.0	Neu
SG2	NAD	034				
	Package identification, assigned by the logistics service provider			2019-09-19	1.0	New Segment GIN+X01 to provide Package identification, assigned by the logistics service provider
SG16	GIN	054				
	Consignment's loading meters			2019-03-20	1.0	MEA+LMT - Consignment's loading meters - added.
	MEA	011				
	Consignment volume			2019-03-20	1.0	MEA+AAX+ABJ - Consignment

SG	Se	No	DE	Date	Version	Description
(Total cube)						volume (Total cube) - added.
MEA 010						
Consignment's gross weight				2019-03-20	1.0	MEA+AAX+AAD - Consignment's gross weight - added.
MEA 009						
SG16				2018-05	1.0	Status D -> R
Individual handling unit's transport label number				2017-10-20	1.0	format refined
SG16 GIN 053 7402						
Despatch control line / List of handling unit groups				2017-10-18	1.0	New Segment group SG10.
SG11 CPS 045						
Order of loading				2017-10-18	1.0	New Segment TMD
SG6 TMD 038						

Legend

Format

- a..9 alphabetic, variable length, 1 to 9 characters
- n..9 numeric, variable length, 1 to 9 digits, without leading zeros
- an..9 alphanumeric, variable length, 1 to 9 characters, without following spaces
- a9 alphabetic, fixed length, 9 characters
- n9 numeric, fixed length, 9 digits, with leading zeros if applicable
- an9 alphanumeric fixed length, 9 characters, with following spaces if applicable

EDIFACT-Status

- M Mandatory
- C Conditional

VW-Status

- R Required
- O Optional
- D Depending
- A Advised
- N Not used

M and R mean in both cases „Mandatory“.

C and O mean in both cases „Conditional“.

D means a conditional „Mandatory“. It has to be transmitted depending on another information within the message.

Message type

Tag	No	St	MaxOcc	Name
UNA	1	R	1	Service string advice UNA:+. ? ' '
UNB	2	M	1	Interchange header UNB+UNOC:X+OD012345:59:123+987654321:1:LEFAS+20221005:1446+144659+++++1 ' '
UNH	3	M	1	Message header UNH+12345+DESADV:D:20B:UN:GAVO20 ' '
BGM	4	M	1	Beginning of message BGM+X08::10+12346:1+9 ' '
DTM	5	R	1	Document date DTM+137:20131201:203 ' '
DTM	6	R	1	Requested shipment or delivery date DTM+10:20131201:102 ' '
DTM	7	R	1	Confirmed delivery or pick-up date/time DTM+79:20160808:102 ' '
MEA	8	O	1	Number of handling units in shipment MEA+AAE++C62:9 ' '
MEA	9	O	1	Consignment's gross weight MEA+AAX+AAD+KGM:9 ' '
MEA	10	O	1	Consignment volume (Total cube) MEA+AAX+ABJ+MTQ:9 ' '
MEA	11	O	1	Consignment's loading meters MEA+LMT++MTR:9 ' '
SG1		O	1	Shipment number, assigned by packaging ship-from
RFF	12	M	1	Shipment number, assigned by packaging supplier RFF+CRN:ShipmentNumber ' '
SG1		R	1	Number of the Packaging Transport Order
RFF	13	M	1	Number of the Packaging Transport Service Order RFF+TIN:PackagingTransportOrderNumber ' '
SG1		O	1	Transport number (LSP) - Bordereau number
RFF	14	M	1	Transport number (LSP) - Bordereau number RFF+AFC:Transport number (LSP) ' '
SG1		O	1	Goods declaration document identifier, Customs
RFF	15	M	1	Goods declaration document identifier, Customs RFF+ABT:GoodsDeclarationNumber ' '
SG1		R	1	Transport chain reference
RFF	16	M	1	Transport chain reference RFF+AKI:765757579SCH123X-1 ' '

No = Consecutive segment number in the guide, MaxOcc = Maximum occurency of the segment/groups, St = Status (M/R=Mandatory/Required, C/O=Optional, D=Depending, A=Advised, N=Not used)

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Tag	No	St	MaxOcc	Name
SG1	O		1	Access number at pick-up, assigned by the shipping point (ship-from-party)
RFF	17	M	1	Access number at pick-up, assigned by the shipping point (ship-from-party) RFF+ABE:Access number at pick-up'
SG2	R		1	Message Sender
NAD	18	M	1	Message Sender NAD+MS+0007101300::091++Name1:Name2+Street1:Street2+City++12345+FR'
SG3	O		1	Additional Party ID (DUNS)
RFF	19	M	1	Reference RFF+ANK:123456789'
SG2	R		1	Message Recipient
NAD	20	M	1	Message Recipient name and address NAD+MR+1234567890::091++Spediteur Schnell:Name2+Street1:Street2+City++12345+DE'
SG3	O		1	Additional Party ID (DUNS)
RFF	21	M	1	Reference RFF+ANK:123456789'
SG2	R		1	Ship from empties
NAD	22	M	1	Ship from's - Shipping point empties NAD+SF+0007101300::091++VOLKSWAGEN AG:Name2+Berliner Ring 2:Street2+Wolfsburg++38440+DE'
LOC	23	O	1	Shipping location/ Place of loading LOC+9+V1039::091:Leergutplatz'
SG3	O		1	Additional Party ID (DUNS or account ID)
RFF	24	M	1	Reference RFF+ANK:193745926'
SG2	R		1	Ship to empties
NAD	25	M	1	Ship to's name and address NAD+ST+0000128300::091++Automotive AG:Name2+Street1:Street2+City++12345+DE'
LOC	26	O	1	Place of discharge LOC+11+PlaceDischargeID::092:PlaceOfDischarge'
SG3	R		1	Additional Party ID (DUNS)
RFF	27	M	1	Reference RFF+ANK:999999999'
SG2	R		1	Freight forwarder
NAD	28	M	1	Freight forwarder - name and address NAD+FW+Identifier::091++Spediteur Schnell:Name2+Street1:Street2+City++12345+DE'
SG3	R		1	Additional Party ID (DUNS)
RFF	29	M	1	Reference

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Tag	No	St	MaxOcc	Name
RFF+ANK:123456789'				
SG2	O		1	Carrier
NAD	30	M	1	ID, Name, Address NAD+CA+Identifier::092++Name1:Name2+Street1:Street2+City++12345+DE'
SG3	O		1	Additional Party ID (DUNS)
RFF	31	M	1	Reference RFF+ANK:555555555'
SG4	O		1	Driver's mobile number and preferred Language
CTA	32	M	1	Contact information CTA+IC+en:John Doe'
COM	33	O	5	Communication contact COM+X:TE'
SG2	O		1	A party in charge of groupage.
NAD	34	M	1	A party in charge of groupage. NAD+FZ+GroupingCenterID::092'
LOC	35	O	1	Place of transshipment LOC+13+Umschlagspunkt Id::092:Umschlagspunkt'
SG3	O		1	Additional Party ID (DUNS)
RFF	36	M	1	Reference RFF+ANK:X'
SG6	R		1	Transport details of one transport leg
TDT	37	M	1	Transport details of one transport leg TDT+X01+Tour1+20+++ZZZ:X:AuthorisationNumb+AB 123::::DE++1+X::91'
TMD	38	O	1	Order of loading TMD++1'
SG7	R		1	Place of departure
LOC	39	M	1	Current place of departure LOC+5+Place of departure ID::091:Place of departure as text+52:515738, 13.393085'
DTM	40	R	1	Departure date and time DTM+133:12345678901234567:203'
DTM	41	R	1	Confirmed pick-up date/time at the consignor DTM+79:12345678901234567:203'
SG7	R		1	Place of arrival
LOC	42	M	1	Current place of arrival LOC+60+Place of Arrival ID::091:Place of Arrival as Text+X'
DTM	43	O	1	Arrival date and time

No = Consecutive segment number in the guide, MaxOcc = Maximum occurency of the segment/groups, St = Status (M/R=Mandatory/Required, C/O=Optional, D=Depending, A=Advised, N=Not used)

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Segment details

UNA

 No 1
 Status R
 MaxOcc 1

Service string advice

	St	Format	Usage	Example
UNA				UNA
UNA1	M	an1	Component data element separator Colon	:
UNA2	M	an1	Data element separator Plus sign	+
UNA3	M	an1	Decimal notation Full stop	.
UNA4	M	an1	Release indicator Question mark	?
UNA5	M	an1	Reserved for future use Blank	
UNA6	M	an1	Segment terminator Apostrophe	'

Comment: The use of UNA is strongly recommended and UNA5 must be blank.

Example: UNA : + . ? '

UNBNo 2
Status M
MaxOcc 1**Interchange header**

	St	Format	Usage	Example
UNB				UNB
S001	M		Syntax identifier	
0001	M	a4	Syntax identifier UNOA UN/ECE level A UNOB UN/ECE level B UNOC UN/ECE level C UNOD UN/ECE level D	+UNOC
0002	M	an1	Syntax version number To use syntax version 4 according to the ISO 9735-11 profile, code "X" must be used here. X Syntax version 4 ISO 9735-11 profile.	:X
S002	M		Interchange sender	
0004	M	an..35	Sender identification Unique ID of the sender in the data transmission network or system.	+OD012345
0007	O	an..4	Partner identification code qualifier	:59
0008	O	an..14	Address for reverse routing Address of an application or internal system at sender's site to which reply messages should be routed.	:123
S003	M		Interchange recipient	
0010	M	an..35	Recipient identification Unique ID of the receiver in the data transmission network or system.	+987654321
0007	O	an..4	Partner identification code qualifier	:1
0014	O	an..14	Routing address	:LEFAS
S004	M		Date/time of preparation	
0017	M	n8	Date of preparation Attention: Difference to S3, 8 digits (including century)! Format CCYYMMDD	+20221005
0019	M	n4	Time of preparation Format HHMM	:1446
0020	M	an..14	Interchange control reference Unique ID of an interchange.	+144659
S005	N			
0022	N		Not used	+
0026	N		Not used	+
0029	N		Not used	+
0031	N		Not used	+
0032	N		Not used	+
0035	O	n1	Test indicator 1 Interchange is a test Only to be used for data interchange test purposes. Omit this element for valid interchanges	+1 '

Comment: Due to the change in ISO standard 9735, VDA-EDIFACT recommendations will be based on the EDIFACT Syntax 3 compliant profile of EDIFACT Syntax 4 (ISO 9735 Part 11) from 2021-12. The service segments (UNA, UNB, UNH, UNS, UNT, UNZ) were adapted accordingly. The user data segments were not changed.

Example: UNB+UNOC:X+OD012345:59:123+987654321:1:LEFAS+20221005:1446+144659++++++1'

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UNHNo 3
Status M
MaxOcc 1**Message header**

	St	Format	Usage	Example
UNH				UNH
0062	M	an..14	Message reference number Message reference number (in the interchange)	+12345
S009	M		Message identifier	
0065	M	an..6	Message type DESADV Despatch advice message	+DESADV
0052	M	an..3	Message version number D Draft version/UN/EDIFACT Directory	:D
0054	M	an..3	Message release number 20B Release 2020 - B	:20B
0051	M	an..2	Controlling agency UN UN/CEFACT	:UN
0057	R	an..6	Association assigned code Identification of the subset release, assigned by Odette. GAVO20 VDA Packaging Transport Order Response - DESADV V2.0	:GAVO20 '

Comment:**Example:** **UNH+12345+DESADV:D:20B:UN:GAVO20 '**

BGM
 No 4
 Status M
 MaxOcc 1
Beginning of message

	St	Format	Usage	Example
BGM				BGM
C002	R		Document/message name	
1001	R	an..3	Document name code X08 Packaging Transport Order Response - DESADV	+X08
1131	N		Not used	:
3055	R	an..3	Code list responsible agency code Code specifying the agency responsible for a code list. 10 ODETTE	:10
C106	R		Document/message identification	
1004	R	an..35	Document number Unique identifier of the document. No duplicates during calendar year.	+12346
1056	O	n..2	Version identifier May be used to distinguish several versions of the message (e.g. initial original with subsequent cancellation)	:1
1225	R	an..3	Message function code 1 Cancellation 5 Replace 9 Original 27 Not accepted 09 Original transport order confirmation displays a shipment split 1 - Cancellation - complete cancellation, transport order which has already been confirmed is rejected (reference to the previous message in RFF+TIN). 5 - Replace - this message replaces the complete sent message (reference to the previous message in RFF+TIN). 9 - Original - confirmation of the transport order. 27 - Not accepted - complete cancellation of a transport order that has not yet been answered. - This code should only be used if no APERAK message is used in the scenario with the transport service provider. 09 - Indicator for a split into several shipments For code 1 and 5 it is assumed that the current message has the same number as the originally sent confirmation. If necessary, DE 1056 can be used to differentiate between the versions of the message.	+9 '

Comment:**Example:** **BGM+X08:::10+12346:1+9'**

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DTM

No 5
Status R
MaxOcc 1

Document date

	St	Format	Usage	Example
DTM				DTM
C507	M		Date/time/period	
2005	M	an..3	Date or time or period function code qualifier 137 Document issue date time	+137
2380	R	n..12	Date or time or period text Date/time of creation of the transport order	:20131201
2379	R	an..3	Date or time or period format code 102 CCYYMMDD 203 CCYYMMDDHHMM	:203'

Comment:**Example:** **DTM+137:20131201:203'**

DTM

No 6
Status R
MaxOcc 1

Requested shipment or delivery date

St	Format	Usage	Example
DTM			DTM
C507	M	Date/time/period	
2005	M an..3	Date or time or period function code qualifier 10 Shipment date/time, requested	+10
2380	R n..24	Requested shipment date	:20131201
2379	R an..3	Date or time or period format code 102 CCYYMMDD 203 CCYYMMDDHHMM 205 CCYYMMDDHHMMZHHMM 719 CCYYMMDDHHMM-CCYYMMDDHHMM The use of time / time window depends on the concrete contract between the customer, supplier and transport service provider	:102 '

Comment:

Example: **DTM+10:20131201:102 '**

DTM

No 7
Status R
MaxOcc 1

Confirmed delivery or pick-up date/time

St	Format	Usage	Example
DTM			DTM
C507	M	Date/time/period	
2005	M an..3	Date or time or period function code qualifier Shipment date/time, promised for 79 Shipment date/time, promised for	+79
2380	R n..24	Confirmed pick-up date/time at the consignor	:20160808
2379	R an..3	Date or time or period format code 102 CCYYMMDD 203 CCYYMMDDHHMM 205 CCYYMMDDHHMMZHHMM 719 CCYYMMDDHHMM-CCYYMMDDHHMM The use of time / time window depends on the concrete contract between the customer, supplier and transport service provider	:102'

Comment:

Example: **DTM+79:20160808:102'**

MEA

No 8
Status O
MaxOcc 1

Number of handling units in shipment

St	Format	Usage	Example
MEA			MEA
6311	M an..3	Measurement purpose code qualifier AAE Measurement	+AAE
C502	N		
6313	N	Not used	+
C174	R	Value/range	
6411	R an..8	Measurement unit code C62 one	+C62
6314	R n..9	Measure Actual number of handling units in shipment	: 9 '

Comment:

Example: **MEA+AAE++C62 : 9 '**

MEA

No 9
Status O
MaxOcc 1

Consignment's gross weight

St	Format	Usage	Example
MEA			MEA
6311	M an..3	Measurement purpose code qualifier AAX Consignment measurement	+AAX
C502	R	Measurement details	
6313	R an..3	Measured attribute code AAD Consignment gross weight	+AAD
C174	R	Value/range	
6411	R an..8	Measurement unit code Code specifying the unit of measurement. Use UN/ECE Recommendation 20, Common code. KGM kilogram	+KGM
6314	R n..12	Measure Gross weight - weight (mass) without carrier's equipment	: 9 '

Comment:**Example:** **MEA+AAX+AAD+KGM : 9 '**

MEA		No	10	Consignment volume (Total cube)	
		Status	O		
		MaxOcc	1		
St	Format	Usage			Example
MEA					MEA
6311	M an..3	Measurement purpose code qualifier AAX Consignment measurement			+AAX
C502	R	Measurement details			
6313	R an..3	Measured attribute code ABJ Volume			+ABJ
C174	R	Value/range			
6411	R an..8	Measurement unit code Code specifying the unit of measurement. MTQ is recommended. MTQ cubic metre			+MTQ
6314	R n..9	Measure Volume measure			: 9 '

Comment: Total cube of all goods items referred to as one despatch.

Example: **MEA+AAX+ABJ+MTQ : 9 '**

MEA

No 11
Status O
MaxOcc 1

Consignment's loading meters

St	Format	Usage	Example
MEA			MEA
6311	M an..3	Measurement purpose code qualifier LMT Loading meters	+LMT
C502	N		
6313	N	Not used	+
C174	R	Value/range	
6411	R an..8	Measurement unit code Code specifying the unit of measurement. MTR - meter is recommended MTR metre	+MTR
6314	R n..12	Measure Loading meters	: 9 '

Comment: The length in a vehicle used or usable for the transport of goods, whereby the complete width and height over that length is needed for the goods.

Example: **MEA+LMT++MTR: 9 '**

SG1	Status O MaxOcc 1	Shipment number, assigned by packaging ship-from
RFF	No 12 Status M MaxOcc 1	Shipment number, assigned by packaging supplier

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M an..3	Reference code qualifier CRN Transport means journey identifier	+CRN
1154	R an..35	Shipment number, assigned by packaging supplier	: ShipmentNumber 'r'

Comment:

Example: RFF+CRN:ShipmentNumber '

SG1	Status R MaxOcc 1	Number of the Packaging Transport Order
RFF	No 13 Status M MaxOcc 1	Number of the Packaging Transport Service Order

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M an..3	Reference code qualifier TIN Transport instruction number	+TIN
1154	R an..20	Number of the Packaging Transport Service Order	: PackagingTransportOrderNumber'

Comment:

Example: **RFF+TIN:PackagingTransportOrderNumber'**

SG1	Status	O	Transport number (LSP) - Bordereau number
	MaxOcc	1	
RFF	No	14	Transport number (LSP) - Bordereau number
	Status	M	
	MaxOcc	1	

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M	an..3 Reference code qualifier AFC Bordereau number	+AFC
1154	R	an..35 Transport number (LSP) - Bordereau number	:Transport number (LSP) '

Comment:

Example: **RFF+AFC:Transport number (LSP) '**

SG1	Status	O	Goods declaration document identifier, Customs
	MaxOcc	1	
RFF	No	15	Goods declaration document identifier, Customs
	Status	M	
	MaxOcc	1	

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M	an..3 Reference code qualifier ABT Goods declaration document identifier, Customs	+ABT
1154	R	an..35 Goods declaration document identifier, Customs	: GoodsDeclarationNumber '

Comment:

Example: **RFF+ABT:GoodsDeclarationNumber '**

SG1	Status R MaxOcc 1	Transport chain reference
RFF	No 16 Status M MaxOcc 1	Transport chain reference

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M an..3	Reference code qualifier AKI Ordering customer's second reference number	+AKI
1154	R an..18	Transport chain reference	: 765757579SCH1 23X-1 '

Comment: This reference links the individual transport legs of a shipment in a segmented transport chain where each leg has a separate transport order. It is assigned by the contractor (forwarder) of the first transport order and will be advised in the transport order confirmation. In segmented transport chains, this reference should be transmitted in all subsequent transport messages and in the associated billing.

If the volume/weight of the load advised by the ship-from party exceeds a complete vehicle, container etc. the forwarder divides the load into several shipments and assigns a separate transport chain reference number to each shipment.

Example: **RFF+AKI : 765757579SCH123X-1 '**

SG1	Status O MaxOcc 1	Access number at pick-up, assigned by the shipping point (ship-from-party)
RFF	No 17 Status M MaxOcc 1	Access number at pick-up, assigned by the shipping point (ship-from-party)

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	R an..3	Reference code qualifier ABE Declarant's reference number	+ABE
1154	R an..35	Access code at collection Reference assigned by the shipping point of the empty packages which is access code for the driver at the pick-up of the good.	:Access number at pick-up'

Comment:**Example:** RFF+ABE:Access number at pick-up'

SG2	Status R MaxOcc 1	Message Sender
NAD	No 18 Status M MaxOcc 1	Message Sender

St	Format	Usage	Example
NAD			NAD
3035	M an..3	Party function code qualifier MS Document/message issuer/sender	+MS
C082	R	Party identification details	
3039	M an..35	Party identifier	+0007101300
1131	N	Not used	:
3055	R an..3	Code list responsible agency code 16 US, D&B (Dun & Bradstreet Corporation) 091 Assigned by the provider of the empty packaging 092 Assigned by the receiver of the empty packaging	:091
C058	N		
3124	N	Not used	+
C080	O	Party name	
3036	M an..35	Party name Name of message sender	+Name1
3036	O an..35	Party name see 3036 # 1	:Name2
C059	O	Street	
3042	M an..35	Street and number or post office box identifier Part of address identifying the location of a building, normally given together with street	+Street1
3042	O an..35	Street and number or post office box identifier see 3042 # 1	:Street2
3164	O an..35	City name The name of the city, town, or village of this address.	+City
C819	O	Country subdivision details	
3229	R an..9	Country subdivision identifier	+
3251	O an..17	Postal identification code Identifier of one or more address data properties according to the postal service of the respective country	+12345
3207	O an..3	Country identifier Provides the country part of an address using a code. Use ISO3166 two alpha code.	+FR'

Comment: This segment is used in the empty container management scenario. There, the sender and receiver of the message may differ from ship-from and ship-to, who sends / receives the physical goods.

Example: **NAD+MS+0007101300::091++Name1:Name2+Street1:Street2+City++12345+FR'**

No = Consecutive segment number in the guide, MaxOcc = Maximum occurrence of the segment/groups, St = Status (M/ R=Mandatory/Required, C/O=Optional, D=Depending, A=Advised, N=Not used)

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SG2	Status R MaxOcc 1	Message Sender
SG3	Status O MaxOcc 1	Additional Party ID (DUNS)
RFF	No 19 Status M MaxOcc 1	Reference

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M an..3	Reference code qualifier ANK Reference number assigned by third party	+ANK
1154	R n9	Reference identifier DUNS number	: 123456789 '

Comment: This segment can be used to transmit the DUNS number of the business partner, in addition to the customer number or the supplier number.

Example: **RFF+ANK: 123456789 '**

SG2	Status R MaxOcc 1	Message Recipient
NAD	No 20 Status M MaxOcc 1	Message Recipient name and address

St	Format	Usage	Example
NAD			NAD
3035	M an..3	Party function code qualifier MR Message recipient	+MR
C082	O	Party identification details	
3039	M an..35	Party identifier	+1234567890
1131	N	Not used	:
3055	R an..3	Code list responsible agency code 091 Assigned by the provider of the empty packaging 092 Assigned by the receiver of the empty packaging	:091
C058	N		
3124	N	Not used	+
C080	O	Party name	
3036	M an..35	Party name Single text line for specification of a name	+Spediteur Schnell
3036	O an..35	Party name see 3036 # 1	:Name2
C059	O	Street	
3042	M an..35	Street and number or post office box identifier Part of address identifying the location of a building, normally given together with street	+Street1
3042	O an..35	Street and number or post office box identifier see 3042 # 1	:Street2
3164	O an..35	City name The name of the city, town, or village of this address.	+City
C819	O	Country subdivision details	
3229	R an..9	Country subdivision identifier State or region within a country. The use of UN LoCodes is recommended.	+
3251	O an..17	Postal identification code Identifier of one or more address data properties according to the postal service of the respective country	+12345
3207	O an..3	Country identifier Provides the country part of an address using a code. Use ISO3166 two alpha code.	+DE '

Comment: A message contains Message Recipient.
This segment is used in the empty container management scenario. There, the sender and receiver of the message may differ from ship-from and ship-to, who sends / receives the physical goods.

Example: **NAD+MR+1234567890::091++Spediteur Schnell:Name2+Street1:Street2+City++12345+DE'**

No = Consecutive segment number in the guide, MaxOcc = Maximum occurrence of the segment/groups, St = Status (M/R=Mandatory/Required, C/O=Optional, D=Depending, A=Advised, N=Not used)

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SG2	Status R MaxOcc 1	Message Recipient
SG3	Status O MaxOcc 1	Additional Party ID (DUNS)
RFF	No 21 Status M MaxOcc 1	Reference

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M an..3	Reference code qualifier ANK Reference number assigned by third party	+ANK
1154	R n9	Reference identifier DUNS number	: 123456789 '

Comment: This segment can be used to transmit the DUNS number of the business partner, in addition to the customer number or the supplier number.

Example: **RFF+ANK: 123456789 '**

SG2	Status R MaxOcc 1	Ship from empties
NAD	No 22 Status M MaxOcc 1	Ship from's - Shipping point empties

St	Format	Usage	Example
NAD			NAD
3035	M an..3	Party function code qualifier SF Ship from	+SF
C082	R	Party identification details	
3039	R n10	Party identifier Unique identifier of business partner (customer number, supplier number, DUNS number, etc.).	+0007101300
1131	N	Not used	:
3055	R an..3	Code list responsible agency code Code specifying the agency responsible for a code list. 091 Assigned by the provider of the empty packaging	:091
C058	N		
3124	N	Not used	+
C080	R	Party name	
3036	M an..35	Party name Single text line for party name	+VOLKSWAGEN AG
3036	O an..35	Party name see 3036 # 1	:Name2
C059	R	Street	
3042	M an..35	Street and number or post office box identifier Part of address identifying the location of a building, normally given together with street	+Berliner Ring 2
3042	O an..35	Street and number or post office box identifier see 3042 # 1	:Street2
3164	R an..35	City name The name of the city, town, or village of this address.	+Wolfsburg
C819	O	Country subdivision details	
3229	R an..9	Country subdivision identifier State or region within a country. The use of UN LoCodes is recommended.	+
3251	R an..17	Postal identification code Identifier of one or more address data properties according to the postal service of the respective country	+38440
3207	R a2	Country identifier Provides the country part of an address using a code. Use ISO3166 two alpha code.	+DE '

Comment: Party that despatches the goods or makes them ready for collection

Example: **NAD+SF+0007101300::091++VOLKSWAGEN AG:Name2+Berliner Ring 2:Street2+Wolfsburg++38440+DE '**

No = Consecutive segment number in the guide, MaxOcc = Maximum occurrence of the segment/groups, St = Status (M/ R=Mandatory/Required, C/O=Optional, D=Depending, A=Advised, N=Not used)

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SG2	Status R MaxOcc 1	Ship from empties
LOC	No 23 Status O MaxOcc 1	Shipping location/ Place of loading

St	Format	Usage	Example
LOC			LOC
3227	M an..3	Location function code qualifier 9 Place of loading	+9
C517	R	Location identification	
3225	D an..17	Location identifier If a place of loading is transmitted a value has to be available in DE 3225 or DE 3224	+V1039
1131	N	Not used	:
3055	D an..3	Code list responsible agency code Code specifying the agency responsible for a code list. 091 Assigned by the provider of the empty packaging	:091
3224	D an..256	Location name Name of place/location; if necessary, use complete address. If an address is to be specified here, the individual components are to be transferred in a structured manner, separated by semicolons in the order described: Name; Street, house number; Place; Post Code; Regional code; Country (2 digit ISO code). See comment in DE 3225	: Leergutplatz '

Comment: Location from where the goods are loaded for transport.

Example: LOC+9+V1039 : :091 :Leergutplatz '

SG2	Status MaxOcc	R 1	Ship from empties
SG3	Status MaxOcc	O 1	Additional Party ID (DUNS or account ID)
RFF	No Status MaxOcc	24 M 1	Reference

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M an..3	Reference code qualifier ANK Reference number assigned by third party	+ANK
1154	R n9	Reference identifier DUNS	:193745926'

Comment: This segment can be used to transmit the DUNS number of the business partner, in addition to the customer number or the supplier number

Example: **RFF+ANK:193745926'**

SG2	Status R MaxOcc 1	Ship to empties
NAD	No 25 Status M MaxOcc 1	Ship to's name and address

St	Format	Usage	Example
NAD			NAD
3035	M an..3	Party function code qualifier ST Ship to	+ST
C082	R	Party identification details	
3039	R n10	Party identifier VW supplier number in LISON	+0000128300
1131	N	Not used	:
3055	R an..3	Code list responsible agency code Code specifying the agency responsible for a code list. 091 Assigned by the provider of the empty packaging	:091
C058	N		
3124	N	Not used	+
C080	R	Party name	
3036	M an..35	Party name Single text line for specification of a name	+Automotive AG
3036	O an..35	Party name Single text line for specification of a name	:Name2
C059	R	Street	
3042	M an..35	Street and number or post office box identifier Part of address identifying the location of a building, normally given together with street	+Street1
3042	O an..35	Street and number or post office box identifier	:Street2
3164	R an..35	City name The name of the city, town, or village of this address.	+City
C819	O	Country subdivision details	
3229	R an..9	Country subdivision identifier State or region within a country. The use of UN LoCodes is recommended.	+
3251	R an..17	Postal identification code Identifier of one or more address data properties according to the postal service of the respective country	+12345
3207	R a2	Country identifier Provides the country part of an address using a code. Use ISO3166 two alpha code. The codes of this codelist are documented in a separate document	+DE '

Comment:

Example: **NAD+ST+0000128300::091++Automotive AG:Name2+Street1:Street2+City+12345+DE'**

No = Consecutive segment number in the guide, MaxOcc = Maximum occurency of the segment/groups, St = Status (M/R=Mandatory/Required, C/O=Optional, D=Depending, A=Advised, N=Not used)

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SG2	Status R MaxOcc 1	Ship to empties
LOC	No 26 Status O MaxOcc 1	Place of discharge

St	Format	Usage	Example
LOC			LOC
3227	M an..3	Location function code qualifier 11 Place of discharge	+11
C517	R	Location identification	
3225	O an..17	Location identifier Identifier of location, site, etc.	+PlaceDischargeID
1131	N	Not used	:
3055	R an..3	Code list responsible agency code Code specifying the agency responsible for a code list. 092 Assigned by the receiver of the empty packaging	:092
3224	O an..256	Location name Name of place/location; if necessary, use complete address. If an address is to be specified here, the individual components are to be transferred in a structured manner, separated by semicolons in the order described: Name; Street, house number; Place; Post Code; Regional code; Country (2 digit ISO code).	: PlaceOfDischarge '

Comment: Location where goods are unloaded from transport vehicle.

Example: LOC+11+PlaceDischargeID: :092:PlaceOfDischarge '

SG2	Status R MaxOcc 1	Ship to empties
SG3	Status R MaxOcc 1	Additional Party ID (DUNS)
RFF	No 27 Status M MaxOcc 1	Reference

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M an..3	Reference code qualifier ANK Reference number assigned by third party	+ANK
1154	R n9	Reference identifier DUNS number	: 999999999 '

Comment: This segment can be used to transmit the DUNS number of the business partner, in addition to the customer number or the supplier number.

Example: **RFF+ANK : 999999999 '**

SG2	Status R MaxOcc 1	Freight forwarder
NAD	No 28 Status M MaxOcc 1	Freight forwarder - name and address

St	Format	Usage	Example
NAD			NAD
3035	M an..3	Party function code qualifier FW Freight forwarder	+FW
C082	O	Party identification details	
3039	R n10	Party identifier VW supplier number of the freight forwarder	+Identifier
1131	N	Not used	:
3055	R an..3	Code list responsible agency code Code specifying the agency responsible for a code list. 091 Assigned by the provider of the empty packaging	:091
C058	N		
3124	N	Not used	+
C080	O	Party name	
3036	M an..35	Party name Freight Forwarder's Name Single text line for specification of a name	+Spediteur Schnell
3036	O an..35	Party name see 3036 # 1	:Name2
C059	O	Street	
3042	M an..35	Street and number or post office box identifier Part of address identifying the location of a building, normally given together with street	+Street1
3042	O an..35	Street and number or post office box identifier see 3042 # 1	:Street2
3164	O an..35	City name The name of the city, town, or village of this address.	+City
C819	O	Country subdivision details	
3229	R an..9	Country subdivision identifier State or region within a country. The use of UN LoCodes is recommended.	+
3251	O an..17	Postal identification code Identifier of one or more address data properties according to the postal service of the respective country	+12345
3207	O a2	Country identifier Provides the country part of an address using a code. Use ISO3166 two alpha code.	+DE'

Comment: The freight forwarder is the business partner put in charge of the organisation of the transport

Example: **NAD+FW+Identifier::091++Spediteur Schnell:Name2+Street1:Street2+City++12345+DE'**

No = Consecutive segment number in the guide, MaxOcc = Maximum occurrence of the segment/groups, St = Status (M/R=Mandatory/Required, C/O=Optional, D=Depending, A=Advised, N=Not used)

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SG2	Status R MaxOcc 1	Freight forwarder
SG3	Status R MaxOcc 1	Additional Party ID (DUNS)
RFF	No 29 Status M MaxOcc 1	Reference

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M an..3	Reference code qualifier ANK Reference number assigned by third party	+ANK
1154	R n9	Reference identifier DUNS number	: 123456789 '

Comment: This segment can be used to transmit the DUNS number of the business partner, in addition to the customer number or the supplier number.

Example: **RFF+ANK: 123456789 '**

SG2	Status O MaxOcc 1	Carrier
NAD	No 30 Status M MaxOcc 1	ID, Name, Address

St	Format	Usage	Example
NAD			NAD
3035	M an..3	Party function code qualifier CA Carrier	+CA
C082	O	Party identification details	
3039	M an..35	Party identifier Unique identifier of business partner (customer number, supplier number, DUNS number, etc.).	+Identifier
1131	N	Not used	:
3055	R an..3	Code list responsible agency code Code specifying the agency responsible for a code list. 16 US, D&B (Dun & Bradstreet Corporation) 091 Assigned by the provider of the empty packaging 092 Assigned by the receiver of the empty packaging 86 Assigned by party originating the message	:092
C058	N		
3124	N	Not used	+
C080	O	Party name	
3036	M an..35	Party name Single text line for specification of a name	+Name1
3036	O an..35	Party name see 3124 # 1	:Name2
C059	O	Street	
3042	M an..35	Street and number or post office box identifier Part of address identifying the location of a building, normally given together with street	+Street1
3042	O an..35	Street and number or post office box identifier see 3042 # 1	:Street2
3164	O an..35	City name The name of the city, town, or village of this address.	+City
C819	O	Country subdivision details	
3229	R an..9	Country subdivision identifier State or region within a country. The use of UN LoCodes is recommended.	+
3251	O an..17	Postal identification code Identifier of one or more address data properties according to the postal service of the respective country	+12345
3207	O an..3	Country identifier Provides the country part of an address using a code. Use ISO3166 two alpha code.	+DE '

Comment: The carrier is the business partner put in charge of the transportation of the goods by the freight forwarder

Example: **NAD+CA+Identifier::092++Name1:Name2+Street1:Street2+City++12345+DE '**

No = Consecutive segment number in the guide, MaxOcc = Maximum occurrence of the segment/groups, St = Status (M/R=Mandatory/Required, C/O=Optional, D=Depending, A=Advised, N=Not used)

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SG2	Status O MaxOcc 1	Carrier
SG3	Status O MaxOcc 1	Additional Party ID (DUNS)
RFF	No 31 Status M MaxOcc 1	Reference

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M an..3	Reference code qualifier ANK Reference number assigned by third party	+ANK
1154	R n9	Reference identifier DUNS number	: 55555555 '

Comment: This segment can be used to transmit the DUNS number of the business partner, in addition to the customer number or the supplier number.

Example: **RFF+ANK : 55555555 '**

SG2	Status MaxOcc	O 1	Carrier
SG4	Status MaxOcc	O 1	Driver's mobile number and preferred Language
CTA	No Status MaxOcc	32 M 1	Contact information

St	Format	Usage	Example
CTA			CTA
3139	R an..3	Contact function code IC Information contact	+IC
C056	R	Contact details	
3413	R an..17	Contact identifier Preferred language for communication - use ISO 639-1	+en
3412	O an..256	Contact name Driver's name	: John Doe '

Comment:**Example:** CTA+IC+en: John Doe '

SG2	Status MaxOcc	O 1	Carrier
SG4	Status MaxOcc	O 1	Driver's mobile number and preferred Language
COM	No Status MaxOcc	33 O 5	Communication contact

St	Format	Usage	Example
COM			COM
C076	M	Communication contact Mobile phone number	
3148	M an..512	Communication address identifier Mobile phone number	+X
3155	M an..3	Communication means type code TE Telephone	: TE '

Comment:

Example: COM+X : TE '

SG2	Status	O	A party in charge of groupage.
	MaxOcc	1	
NAD	No	34	A party in charge of groupage.
	Status	M	
	MaxOcc	1	

St	Format	Usage	Example
NAD			NAD
3035	M an..3	Party function code qualifier FZ Grouping centre	+FZ
C082	R	Party identification details	
3039	M an..35	Party identifier	+GroupingCenterID
1131	N	Not used	:
3055	R an..3	Code list responsible agency code 10 ODETTE 16 US, D&B (Dun & Bradstreet Corporation) 091 Assigned by the provider of the empty packaging 092 Assigned by the receiver of the empty packaging Code specifying the agency responsible for a code list.	:092 '

Comment:

Example: **NAD+FZ+GroupingCenterID::092 '**

SG2	Status	O	A party in charge of groupage.
	MaxOcc	1	
LOC	No	35	Place of transshipment
	Status	O	
	MaxOcc	1	

St	Format	Usage	Example
LOC			LOC
3227	M an..3	Location function code qualifier 13 Place of transshipment	+13
C517	R	Location identification	
3225	O an..35	Location identifier Identifier of location, site, etc.	+Umschlagspunkt Id
1131	N	Not used	:
3055	O an..3	Code list responsible agency code 092 Assigned by the receiver of the empty packaging	:092
3224	O an..256	Location name Name of place/location; if necessary, use complete address.	: Umschlagspunkt'

Comment:

Example: LOC+13+Umschlagspunkt Id::092:Umschlagspunkt'

SG2	Status	O	A party in charge of groupage.
	MaxOcc	1	
SG3	Status	O	Additional Party ID (DUNS)
	MaxOcc	1	
RFF	No	36	Reference
	Status	M	
	MaxOcc	1	

St	Format	Usage	Example
RFF			RFF
C506	M	Reference	
1153	M an..3	Reference code qualifier ANK Reference number assigned by third party	+ANK
1154	R an..17	Reference identifier DUNS number	: X '

Comment: This segment can be used to transmit the DUNS number of the business partner, in addition to the customer number or the supplier number.

Example: **RFF+ANK : X '**

SG6	Status R MaxOcc 1	Transport details of one transport leg
TDT	No 37 Status M MaxOcc 1	Transport details of one transport leg

St	Format	Usage	Example
TDT			TDT
8051	M an..3	Transport stage code qualifier X01 Current transport leg	+X01
8028	O an..17	Tour number Unique reference number assigned by the carrier to a certain route or departure of a transport vehicle.	+Tour1
C220	O	Mode of transport	
8067	R an..3	Transport mode name code 10 Maritime transport 20 Rail transport 30 Road transport 40 Air transport Code of mode of transport. Use UN/ECE Recommendation No 19.	+20
C001	N		
8179	N	Not used	+
C040	N		
3127	N	Not used	+
8101	N	Not used	+
C401	O	Excess transportation information	
8457	M an..3	Excess transportation reason code ZZZ Mutually defined ZZZ is only a placeholder, indicating that DE is assigned status "M". In the message, only the special route number (or similar reference) is transmitted in DE 7130. The responsibilities are to be defined outside of the EDI data exchange.	+ZZZ
8459	M an..3	Excess transportation responsibility code X Responsibility to be determined	:X
7130	R an..17	Customer shipment authorisation identifier Authorisation number	: Authorisation Numb
C222	O	Transport identification	
8213	R an..35	Transport means identification name identifier Identifier of a means of transport, like license plate etc.	+AB 123
1131	N	Not used	:
3055	N	Not used	:
8212	N	Not used	:
8453	O a2	Transport means nationality code Provides the country using a code. Use ISO3166 two alpha code.	:DE
8281	N	Not used	+
C003	O	Power type	
7041	R an..3	Power type code 1 Diesel 2 Diesel and electric 3 Electric 4 Liquid Propane Gas	+1

No = Consecutive segment number in the guide, MaxOcc = Maximum occurency of the segment/groups, St = Status (M/R=Mandatory/Required, C/O=Optional, D=Depending, A=Advised, N=Not used)

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St	Format	Usage	Example
		5 Petrol 6 Petrol and electric	
C290	O	Transport service	
8462	R	an..17 Transport service identification code ID of the transport concept or contract type	+X
1131	N	Not used	:
3055	O	an..3 Code list responsible agency code 91 Assigned by seller or seller's agent 92 Assigned by buyer or buyer's agent 87 Assigned by carrier	: 91 '

Comment:

Example: TDT+X01+Tour1+20++++ZZZ:X:AuthorisationNumb+AB 123::::DE++1+X::91
,

SG6	Status R MaxOcc 1	Transport details of one transport leg
TMD	No 38 Status O MaxOcc 1	Order of loading

St	Format	Usage	Example
TMD			TMD
C219	N		
8335	N	Not used	+
8332	R	an..26 Order of loading 1 to 99	+1 '

Comment:

Example: **TMD++1 '**

SG6	Status R MaxOcc 1	Transport details of one transport leg
SG7	Status R MaxOcc 1	Place of departure
LOC	No 39 Status M MaxOcc 1	Current place of departure

St	Format	Usage	Example
LOC			LOC
3227	M an..3	Location function code qualifier 5 Place of departure	+5
C517	R	Location identification	
3225	O n..10	Place of departure	+Place of departure ID
1131	N	Not used	:
3055	R an..3	Code list responsible agency code Code specifying the agency responsible for a code list. 16 US, D&B (Dun & Bradstreet Corporation) 091 Assigned by the provider of the empty packaging	:091
3224	O an..256	Location name Location (Text) If an address is to be specified here, the individual components are to be transferred in a structured manner, separated by semicolons in the order described: Name; Street, house number; Place; Post Code; Regional code; Country (2 digit ISO code).	:Place of departure as text
C519	O	Related location one identification	
3223	R an..35	Status location - latitude / longitude Geo coordinates in decimal degrees: latitude, longitude For latitude: + for the northern hemisphere, - for the southern hemisphere. For longitude: + to the east of the zero meridian, - to the west of the zero meridian.	+52.515738, 13.393085'

Comment: This segment identifies the physical shipping location for the current transport leg.
For segmented transport, it may be necessary to specify a different shipping location and / or a different receiving location. In these cases, the respective transport leg is to be specified explicitly with the shipping and receiving location.

Example: LOC+5+Place of departure ID::091:Place of departure as text+52.515738, 13.393085'

SG6	Status MaxOcc	R 1	Transport details of one transport leg
SG7	Status MaxOcc	R 1	Place of departure
DTM	No Status MaxOcc	40 R 1	Departure date and time

St	Format	Usage	Example
DTM			DTM
C507	M	Date/time/period	
2005	M an..3	Date or time or period function code qualifier 133 Transport means departure date/time, estimated	+133
2380	R n..24	Date or time or period text Departure date / time	: 1234567890123 4567
2379	R an..3	Date or time or period format code 102 CCYYMMDD 203 CCYYMMDDHHMM 205 CCYYMMDDHHMMZHHMM 719 CCYYMMDDHHMM-CCYYMMDDHHMM	:203 '

Comment:**Example:** DTM+133:12345678901234567:203'

No = Consecutive segment number in the guide, MaxOcc = Maximum occurrence of the segment/groups, St = Status (M/R=Mandatory/Required, C/O=Optional, D=Depending, A=Advised, N=Not used)

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SG6	Status MaxOcc	R 1	Transport details of one transport leg
SG7	Status MaxOcc	R 1	Place of departure
DTM	No Status MaxOcc	41 R 1	Confirmed pick-up date/time at the consignor

St	Format	Usage	Example
DTM			DTM
C507	M	Date/time/period	
2005	M an..3	Date or time or period function code qualifier 79 Shipment date/time, promised for	+79
2380	R n..24	Confirmed pick-up date/time at the consignor	: 1234567890123 4567
2379	R an..3	Date or time or period format code 203 CCYYMMDDHHMM 719 CCYYMMDDHHMM-CCYYMMDDHHMM	:203 '

Comment:**Example:** **DTM+79:12345678901234567:203 '**

SG6	Status MaxOcc	R 1	Transport details of one transport leg
SG7	Status MaxOcc	R 1	Place of arrival
LOC	No Status MaxOcc	42 M 1	Current place of arrival

St	Format	Usage	Example
LOC			LOC
3227	M an..3	Location function code qualifier 60 Place of arrival	+60
C517	R	Location identification	
3225	O an..35	Place of arrival The local VW supplier number (format n10) of the place of arrival for the transport section is specified here if the qualifier "O91" is used in data element 3055.	+Place of Arrival ID
1131	N	Not used	:
3055	R an..3	Code list responsible agency code Code specifying the agency responsible for a code list. Has to be provided if 3225 is used. 16 US, D&B (Dun & Bradstreet Corporation) O91 Assigned by the provider of the empty packaging	:O91
3224	O an..256	Place of discharge ID Location (Text) If an address is to be specified here, the individual components are to be transferred in a structured manner, separated by semicolons in the order described: Name; Street, house number; Place; Post Code; Regional code; Country (2 digit ISO code).	:Place of Arrival as Text
C519	O	Related location one identification Can be used to identify the place of discharge for this transport leg	
3223	R an..35	Geo coordinates - latitude/longitude Geo coordinates in decimal degrees: latitude, longitude For latitude: positive values identify the northern hemisphere, negative values the southern hemisphere (-90..90). For longitude: positive values identify the east of the zero meridian, negative values the west of the zero meridian (-180..180).	+X'

Comment: This segment identifies the physical receiving location for the current transport leg. For segmented transport, it may be necessary to specify a different shipping location and / or a different receiving location. In these cases, the respective transport leg is to be specified explicitly with the shipping and receiving location.

Example: LOC+60+Place of Arrival ID::O91:Place of Arrival as Text+X'

SG6	Status MaxOcc	R 1	Transport details of one transport leg
SG7	Status MaxOcc	R 1	Place of arrival
DTM	No Status MaxOcc	43 O 1	Arrival date and time

St	Format	Usage	Example
DTM			DTM
C507	M	Date/time/period	
2005	M an..3	Date or time or period function code qualifier 132 Transport means arrival date time, estimated	+132
2380	R n..24	Required arrival date and time for this transport leg Date / time	: 1234567890123 4567
2379	R an..3	Date or time or period format code 203 CCYYMMDDHHMM 719 CCYYMMDDHHMM-CCYYMMDDHHMM	:203 '

Comment: Normally, the arrival time procedure is contractually agreed with the forwarder. A transfer is therefore not mandatory.
The binding arrival date for the forwarder at the consignee's premises results from the actual despatch date + days from the transit time table Volkswagen (see AVV).

Example: **DTM+132:12345678901234567:203 '**

SG8	Status	O	Equipment
	MaxOcc	1	
EQD	No	44	Equipment details
	Status	M	
	MaxOcc	1	

St	Format	Usage	Example
EQD			EQD
8053	M an..3	Equipment type code qualifier Coded qualifier for type of an equipment. SW = swap body CN Container RR Rail car SW Swap body TE Trailer	+TE
C237	O	Equipment identification	
8260	O an..17	Equipment identifier Identifier of an equipment used.	+WB1
C224	O	Equipment size and type	
8155	N	Not used	+
1131	N	Not used	:
3055	N	Not used	:
8154	R an..35	Equipment size and type description	:WB2 '

Comment: Information identifying and describing the equipment used.

Example: **EQD+TE+WB1+ : :WB2 '**

SG11

Status D
MaxOcc 9999

Despatch control line / List of handling unit groups

The maximum number of SG 10 in a message shall not exceed 9999.

CPS

No 45
Status M
MaxOcc 1

Despatch control line / List of handling unit groups

St	Format	Usage	Example
CPS			CPS
7164	R n..6	Hierarchical structure level identifier Line Item Number line number Incremented counter generated by message sender, assigned to a packaging group in the message. We recommend starting at 1.	+9
7166	N	Not used	+
7075	R an..3	Packaging level code Code specifying a level of packaging. 5 Shipment level	+5 '

Comment: Only necessary in case of shipment split:
If the freight forwarder has to make a shipment split (BGM 1225 = O9), he can list here which handling units are assigned to a shipment.

Example: CPS+9++5 '

SG11Status D
MaxOcc 9999**Despatch control line / List of handling unit groups**

The maximum number of SG 10 in a message shall not exceed 9999.

SG12Status R
MaxOcc 1**Handling unit group details****PAC**No 46
Status M
MaxOcc 1**Package**

St	Format	Usage	Example
PAC			PAC
7224	R n..4	Package quantity Number Of Identical Handling Units Actual number of packages or handling units, e.g. belonging to a group of packages. Considered to be a number of identical packages.	+1
C531	N		
7075	N	Not used	+
C202	R	Package type	
7065	R an..7	Package type code (bundle or handling unit), assigned by the provider of the empty packaging If the package type code is not known, use a special code for "Not known in the master data". In this case the measurements of the handling unit are mandatory. For bundles, the type of the bundle can be specified here.	+4A
1131	N	Not used	:
3055	O an..3	Code list responsible agency code Code List Responsible Agency Code specifying the agency responsible for a code list. 091 Assigned by the provider of the empty packaging	:091
C402	N		
7077	N	Not used	+
C532	O	Returnable package details	
8395	N	Not used	+
8393	R an..3	Returnable package load contents code 11 Empty container, folded	:11'

Comment:**Example:** PAC+1++4A: :091++:11'

SG11	Status MaxOcc	D 9999	Despatch control line / List of handling unit groups
The maximum number of SG 10 in a message shall not exceed 9999.			

SG12	Status MaxOcc	R 1	Handling unit group details
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MEA	No Status MaxOcc	47 O 1	Length
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St	Format	Usage	Example
MEA			MEA
6311	M an..3	Measurement purpose code qualifier AAZ Handling unit measurement	+AAZ
C502	R	Measurement details	
6313	R an..3	Measured attribute code LN Length	+LN
C174	R	Value/range	
6411	R an..8	Measurement unit code Code specifying the unit of measurement, use UN/ECE Rec. 20 MMT millimetre	+MMT
6314	R n..5	Measure Length	: 9 '

Comment: Length dimension of the package

Example: **MEA+AAZ+LN+MMT : 9 '**

SG11	Status D MaxOcc 9999	Despatch control line / List of handling unit groups
The maximum number of SG 10 in a message shall not exceed 9999.		

SG12	Status R MaxOcc 1	Handling unit group details
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MEA	No 48 Status O MaxOcc 1	Width
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St	Format	Usage	Example
MEA			MEA
6311	M an..3	Measurement purpose code qualifier AAZ Handling unit measurement	+AAZ
C502	R	Measurement details	
6313	R an..3	Measured attribute code Constant Identifying A Width Dimension WD Width dimension	+WD
C174	R	Value/range	
6411	R an..8	Measurement unit code Code specifying the unit of measurement, use UN/ECE Rec. 20 MMT millimetre	+MMT
6314	R n..12	Measure Width	: 9 '

Comment: Width dimension of the package

Example: MEA+AAZ+WD+MMT : 9 '

SG11	Status D MaxOcc 9999	Despatch control line / List of handling unit groups
The maximum number of SG 10 in a message shall not exceed 9999.		

SG12	Status R MaxOcc 1	Handling unit group details
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MEA	No 49 Status O MaxOcc 1	Height
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St	Format	Usage	Example
MEA			MEA
6311	M an..3	Measurement purpose code qualifier AAZ Handling unit measurement	+AAZ
C502	R	Measurement details	
6313	R an..3	Measured attribute code HT Height dimension	+HT
C174	R	Value/range	
6411	R an..3	Measurement unit code Code specifying the unit of measurement, use UN/ECE Rec. 20 MMT millimetre	+MMT
6314	R n..5	Measure	: 9 '

Comment: Height dimension of the packaging

Example: **MEA+AAZ+HT+MMT : 9 '**

SG11	Status D MaxOcc 9999	Despatch control line / List of handling unit groups
The maximum number of SG 10 in a message shall not exceed 9999.		

SG12	Status R MaxOcc 1	Handling unit group details
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MEA	No 50 Status O MaxOcc 1	Volume
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St	Format	Usage	Example
MEA			MEA
6311	M an..3	Measurement purpose code qualifier AAZ Handling unit measurement	+AAZ
C502	R	Measurement details	
6313	R an..3	Measured attribute code ABJ Volume	+ABJ
C174	R	Value/range	
6411	R an..8	Measurement unit code Code specifying the unit of measurement, use UN/ECE Rec. 20 DMQ cubic decimetre MTQ cubic metre	+MTQ
6314	R n..5	Measure Volume measure	: 9 '

Comment: Total cube of the packaging

Example: **MEA+AAZ+ABJ+MTQ : 9 '**

SG11	Status D MaxOcc 9999	Despatch control line / List of handling unit groups
The maximum number of SG 10 in a message shall not exceed 9999.		

SG12	Status R MaxOcc 1	Handling unit group details
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MEA	No 51 Status O MaxOcc 1	Maximum stacking weight
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St	Format	Usage	Example
MEA			MEA
6311	M an..3	Measurement purpose code qualifier ABR Certified weight	+ABR
C502	R	Measurement details	
6313	R an..3	Measured attribute code AFE Maximum stacking weight	+AFE
C174	R	Value/range	
6411	R an..8	Measurement unit code Code specifying the unit of measurement, use UN/ECE Rec. 20 KGM kilogram	+KGM
6314	R n..12	Measure Load bearing capacity	: 9 '

Comment: Maximum load to be filled in a packaging or loaded onto an equipment.

Example: **MEA+ABR+AFE+KGM : 9 '**

SG11	Status MaxOcc	D 9999	Despatch control line / List of handling unit groups
The maximum number of SG 10 in a message shall not exceed 9999.			
SG12	Status MaxOcc	R 1	Handling unit group details
SG14	Status MaxOcc	O 1000	List of individual handling units
PCI	No Status MaxOcc	52 M 1	Handling unit label type

St	Format	Usage	Example
PCI			PCI
4233	R an..3	Marking instructions code 17 Seller's instructions Code is placeholder only, as DE 4233 is assigned status "M". 3 - customer sent data, received in the delivery instruction, to be printed as data matrix code DMC on the label in section E2 (see VDA 4994 for reference) 16 - customer sent data from the delivery instruction, to be printed as text on the label in section E2 (see VDA 4994 for reference). 17 - any other situation	+17
C210	O	Marks & labels	
7102	M an..35	Shipping marks description Additional marks/texts used on master label (e.g. line handling code (VW)).	+Versandmarkierung
7102	O an..35	Shipping marks description See 7102#1	: Versandmarkierung
7102	O an..35	Shipping marks description See 7102#1	: Versandmarkierung
7102	O an..35	Shipping marks description See 7102#1	: Versandmarkierung
7102	O an..35	Shipping marks description See 7102#1	: Versandmarkierung
7102	O an..35	Shipping marks description See 7102#1	: Versandmarkierung
7102	O an..35	Shipping marks description See 7102#1	: Versandmarkierung
7102	O an..35	Shipping marks description See 7102#1	: Versandmarkierung
7102	O an..35	Shipping marks description See 7102#1	: Versandmarkierung
8169	N	Not used	+
C827	O	Type of marking	
7511	R an..3	Marking type code	+J

No = Consecutive segment number in the guide, MaxOcc = Maximum occurency of the segment/groups, St = Status (M/R=Mandatory/Required, C/O=Optional, D=Depending, A=Advised, N=Not used)

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Example: PCI+17+Versandmarkierung:Versandmarkierung:Versandmarkierung:Vers
andmarkierung:Versandmarkierung:Versandmarkierung:Versandmarkieru
ng:Versandmarkierung:Versandmarkierung:Versandmarkierung++J::5'

Print date: 24.11.2022

SG11	Status MaxOcc	D 9999	Despatch control line / List of handling unit groups
The maximum number of SG 10 in a message shall not exceed 9999.			
SG12	Status MaxOcc	R 1	Handling unit group details
SG14	Status MaxOcc	O 1000	List of individual handling units
SG16	Status MaxOcc	R 1	Individual handling unit's transport label number
GIN	No Status MaxOcc	53 M 1	Individual handling unit's transport label number

	St	Format	Usage	Example
GIN				GIN
7405	M	an..3	Object identification code qualifier ML Marking/label number ML = Label ID of packaging supplier	+ML
C208	M		Identity number range	
7402	M	n..9	Object identifier Label ID of the logistics package unit assigned by shipper(e.g. 000012345). Packages include also compartments in a JIS container or a virtual container (see process documentation and packaging examples). If the license plate is used (globally unique package ID) then it is strongly advised to use the second DE 7402 as well to transmit the complete ID. With regard to existing legacy systems only numeric values with up to 9 digits shall be used.	+12345
7402	D	an..22	Object identifier Label ID of the handling unit (license plate), consisting of the issuing agency code (IAC) (e.g. UN for Dun & Breadstreet), the company code of the shipper (e.g. DUNS number) plus the unique ID of the shipping unit assigned by shipper, who was identified e.g. with the DUNS number (e.g. 000012345) => UN123456789000012345 The format is either an..20 for the example as shown above or an..22 in case the data identifier is included (e.g. 6J). The format consists of: DI: an2 (optional) IAC: an2 CID: an..9 SN: n..9 If the content of the message is used to generate labels or shipping documents, then transmitting the complete ID is strongly recommended. Handling units and packages shall be identifiable by globally unique identifiers. This data element is among other purposes used by form generators to print these unique identifiers.	: UN12345678900 0012345'

Comment: The unique identifier of a loading unit usually consists of the Data Identifier (e.g. 5J), the Company Identification Number of the ship from (e.g. UN987654321 for the DUNS number) and the serial number of the shipping unit.

Example: **GIN+ML+12345:UN123456789000012345'**

SG11	Status MaxOcc	D 9999	Despatch control line / List of handling unit groups
The maximum number of SG 10 in a message shall not exceed 9999.			
SG12	Status MaxOcc	R 1	Handling unit group details
SG14	Status MaxOcc	O 1000	List of individual handling units
SG16	Status MaxOcc	O 1	Package identification, assigned by the logistics service provider
GIN	No Status MaxOcc	54 M 1	Package identification, assigned by the logistics service provider

	St	Format	Usage	Example
GIN				GIN
7405	M	an..3	Object identification code qualifier X01 Package identification, assigned by the logistics service provider	+X01
C208	M		Identity number range	
7402	M	an..35	Package identification, assigned by the logistics service provider	+54321 '

Comment:**Example:** GIN+X01+54321 '

UNTNo 55
Status M
MaxOcc 1**Message trailer**

St	Format	Usage	Example
UNT			UNT
0074	M n..6	Number of segments in the message Number of segments in the message	+53
0062	M an..14	Message reference number Message reference number	+12345 '

Comment:**Example:** **UNT+53+12345 '**

UNZNo 56
Status M
MaxOcc 1**Interchange trailer**

St	Format	Usage	Example
UNZ			UNZ
0036	M n..6	Interchange control count Number of messages in the interchange	+1
0020	M an..14	Interchange control reference Unique ID of the interchange.	+144659 '

Comment:**Example:** **UNZ+1+144659 '**