VOLKSWAGEN GROUP

Volkswagen VDA 4933 T2 Packaging Transport Order

VDA 2.1
VW 2.1

Based on: VDA 4933 T2 - Global DESADV Transportauftrag Leergut; VDA 2.1; VW 2.1

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Table of content

1 Introduction 3
1.1 Supported Processes 3
2 Validity Area 3
3 References 3
3.1 VOLKSWAGEN GROUP 4
3.2 Validation portal 4
3.3 VDA (Verband der Automobilindustrie) 4
3.4 Odette International 4
3.5 UN/EDIFACT 4
4 Changelog ..... **Fehler! Textmarke nicht definiert.**
5 Legend 9
6 Message type 10
7 Segment details 15

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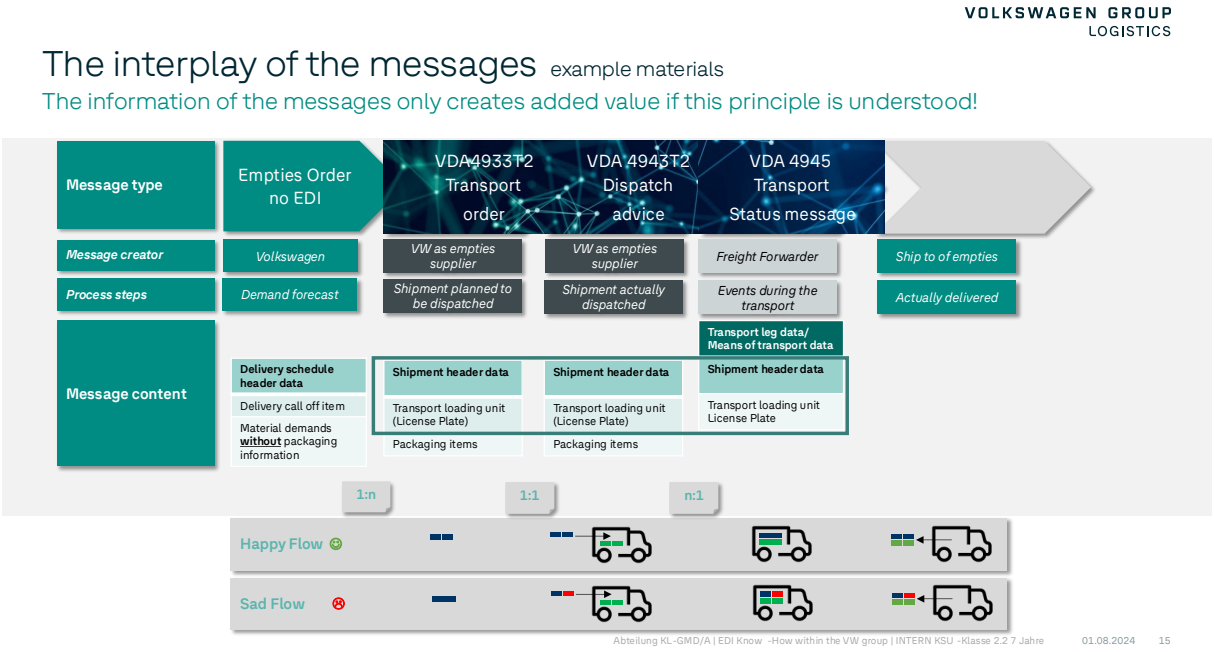
1 Introduction

The user manuals for the EDIFACT formats applied within the VOLKSWAGEN GROUP are intended to support partners in independently implementing these standards.
This guideline describes the technical requirements of the VOLKSWAGEN GROUP for a digital transport order of empty packaging from a consignor or transshipment point to a freight forwarder.
This user manual is based on the VDA recommendation 4933 T2 “Transport Order Empties.”
For the correct implementation of this message, it is essential to understand the interaction of the logistical messages within the transport chain.



The term **VOLKSWAGEN** refers to all participating entities of the Volkswagen Group.

1.1 Supported Processes

The VDA 4933 T2 message is transmitted by the consignor of the empty packaging to the freight forwarder no later than the day before the planned pickup, in accordance with the contractual agreements.

2 Validity Area

At present, this message is utilized for the notification of shipment pickups in European road transport, in cases where the participating brands of the Volkswagen Group assume the role of freight payer.

3 References

The following are links to further information on the topic.

3.1 VOLKSWAGEN GROUP

Electronic data interchange (EDI)

3.2 Validation portal

Log On -Volkswagen Validation.Portal

3.3 VDA (Verband der Automobilindustrie)

German Association of the Automotive Industry | VDA

3.4 Odette International

Resources | Odette

3.5 UN/EDIFACT

Introducing UN/EDIFACT | UNECE

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Changelog

SG	Se	No	DE		Date	Version	Description
Transport reference of ship-from				Reference identifier	2026-07-29	2.0	Remark changed: old: This reference can be used by the transport ordering party as a common reference to bundle several transport orders respectively shipments, which have to be loaded on the same means of transport. new: This reference is used by the ship-from to specify which transport orders are to be picked up with the same means of transport. The AGK reference must be unique for each ship from and must not be repeated.
SG1	RFF	018	1154				
Place of discharge				Location name	2026-07-27	2.1	old: Complete address of location, separeted by semicolon. The following scheme has to be accomplished. Name1
SG2	LOC	029	3224				
Shipping location/ Place of loading				Location name	2026-05-20	2.0	Remark changed alt: neu: If the physical loading location of the means of transport is within the company premises specified in NAD+SF, only a short description is provided here. If the loading location is outside the company premises, the short name and the full address must be provided according to the following structure: Shortname
SG2	LOC	024	3224				
Shipping location/ Place of loading				Location identifier	2026-05-19	2.0	Remark changed: Old: If DE 3225 contains a value it is the VW supplier number of an alternative loading address that belongs to the data in NAD+SF. The alternative loading addresses are regularly made available to the forwarder as master data. New: If it is a loading point of the Volkswagen Group, the ID of the loading point that must be stored in the Volkswagen Group's master data system shall be transmitted here.
SG2	LOC	024	3225				
					2024-12-19	2.0	Changed Klassifizierung: K-FIML/5 - Kl. 9.1 - 4 Jahre/Kopie -> K-DAPL/5, KL-GMD/A CSD 2.2 7 Years
Transport details of one transport leg				Power type code **1**	2023-08-10	2.0	Added code list with codes: 1, 2, 3, 4,5, 6
SG6	TDT	037	7041				
Message header				Association assigned code	2022-12-08	2.0	Added remark: In connection with directory 20B and
	UNH	003	0057				

SG	Se	No	DE		Date	Version	Description
							syntax version "X", only code GAVN20 or higher is allowed.
Number of packaging items in bundle				Quantity	2022-11-18	2.0	Deleted remark: Despatched quantity. Number of packages assigned to this group (number of identical packages). Added remark: Number of packages being acomponent of one of the identified bundles/TPUs.
SG19	QTY	061	6060				
Number of packaging items in bundle				Quantity type code qualifier	2022-11-18	2.0	Added code 490.
SG19	QTY	061	6063	**490**			
Number of packaging items in bundle					2022-11-18	2.0	Changed name: Despatched quantity -> Number of packaging items in bundle
SG19	QTY	061					
Despatched quantity				Quantity	2022-11-11	2.0	Format n..10 -> n..9
SG19	QTY	069	6060				
Current place of departure				Place of departure	2022-10-28	2.0	Format n..10 -> an10
SG7	LOC	039	3225				
Transport movement type and loading sequence				Loading sequence of a shipment on a means of transport (1 to 99)	2022-10-28	2.0	Status R -> O
SG6	TMD	038	8332				
Total loading meter of the transport					2022-10-21	2.0	Added segment: MEA+ACA+ACV - Total loading meter of the transport
	MEA	013					
Shipment loading metres					2022-10-21	2.0	Added segment: MEA+LMT - Shipment loading metres
	MEA	012					
Interchange trailer					2022-10-20	2.0	Adaptation to S3 compliant profile of EDIFACT S4 (ISO 9735 Part 11).
	UNZ	074					
Message trailer					2022-10-20	2.0	Adaptation to S3 compliant profile of EDIFACT S4 (ISO 9735 Part 11).
	UNT	073					
Message header				Association assigned code	2022-10-20	2.0	GAVN16 -> GAVN20
	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				Date of preparation	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				Syntax version number	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.Adaptation to S3 compliant profile of EDIFACT S4 (ISO 9735 Part 11).
	UNB	002	0002	**X**			
Interchange header					2022-10-20	2.0	Added remark: 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,
	UNB	002					

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SG	Se	No	DE		Date	Version	Description
							UNS, UNT, UNZ) were adapted accordingly. The user data segments were not changed.
Service string advice UNA 001					2022-10-20	2.0	Status O -> R Added description.
					2022-10-20	2.0	Adaptation to S3 compliant profile of EDIFACT S4 (ISO 9735 Part 11).
Transport details of one transport leg SG6 TDT 037					2022-03-29	2.0	DEG C290 added
Transport details of one transport leg SG6 TDT 037		7041		Power type code **1**	2022-03-29	2.0	Power type DEG C003 added
Terms of delivery or transport SG5 TOD 034		4053		Delivery or transport terms description code **CFR**	2022-03-29	2.0	Updated Remark to include 2020 Incoterms and added odette code DPU - Delivered at Place Unloaded
Transport movement type and loading sequence SG6 TMD 038					2021-08-18	1.1	TMD segment added
Message header UNH 003		0057		Association assigned code	2021-08-13	1.1	GAVN13 deleted, GAVN16 added
Message header UNH 003		0054		Message release number **20B**	2021-08-13	1.1	07A deleted, 20B added
Place of discharge SG2 LOC 029		3224		Location name	2021-06-09	1.4	Address description added
Indicator - empty container, folded and package type description SG19 IMD 068					2020-10-13	2.0	New: C273
Shipment gross weight MEA 011					2020-10-13	2.0	Segment added.
Shipment volume MEA 010					2020-10-13	2.0	Segment added.
Additional package type code SG19 PIA 067					2020-03-02	1.0	MaxRep 2 --> 1
Transport handling unit's gross weight SG17 MEA 057					2020-03-02	1.0	Status D --> R
Package identification, assigned by the logistics service provider SG16 GIN 055					2020-03-02	1.0	New segment GIN+X01 - Package identification, assigned by the logistics service provider
Maximum stackability for transport purposes SG12 MEA 051					2020-03-02	1.0	MEA+ABU --> MEA+AAZ+AEA
Place of discharge SG2 LOC 029		3055		Code list responsible agency code **O92**	2020-03-02	1.0	O91 --> O92
Message header UNH 003		0057		Association assigned code	2020-03-02	1.0	GAOF10 --> GAVN13
Replaced Packaging Transport/Service Order (BGM 1225 = 5) SG1 RFF 015		1153		Reference code qualifier **AKT**	2018-05	1.1	changed AAK to AKT
Handling instructions SG9 HAN 044					2017-03-08		Added HAN
Equipment details					2017-03-08		Added EQD

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SG	Se	No	DE	Date	Version	Description
SG8	EQD	043				
SG5				2014-03-27		MaxRep 10 --> 1

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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 alpabetic, 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.

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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:GAVN20'**
BGM	4	M	1	Beginning of message **BGM+X07::10:FTL+12345:1+9'**
DTM	5	R	1	Document date **DTM+137:202612010101:203'**
DTM	6	R	1	Requested shipment date **DTM+10:202612011200202612011400:719'**
DTM	7	O	1	Estimated arrival date **DTM+132:20261203:102'**
DTM	8	O	1	Ship date, originally scheduled **DTM+110:202612011200?+0100:205'**
MEA	9	O	1	Number of handling units in shipment **MEA+AAE++C62:9'**
MEA	10	O	1	Shipment volume **MEA+AAX+ABJ+MTQ:9'**
MEA	11	O	1	Shipment gross weight **MEA+AAX+AAD+KGM:9'**
MEA	12	O	1	Shipment loading metres **MEA+LMT++MTR:9'**
MEA	13	O	1	Total loading meter of the transport **MEA+ACA+ACV+MTR:9'**
SG1		O	1	Shipment number, assigned by packaging supplier
RFF	14	M	1	Shipment number, assigned by packaging supplier **RFF+CRN:ShipmentNumber'**
SG1		O	1	Replaced Packaging Transport Order
RFF	15	M	1	Replaced Packaging Transport/Service Order (BGM 1225 = 5) **RFF+AKT:ReplacedPackagingTransportOrderNumb'**
SG1		O	1	Access ID at pick-up, assigned by the ship-to
RFF	16	M	1	Access number at pick-up, assigned by the shipping point (ship-from-party) **RFF+ABE:290018021300001'**
SG1		O	1	ATLAS

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
RFF	17	M	1	Reference Numbers **RFF+ABT:123456'**
SG1		D	1	Transport reference of ship-from
RFF	18	M	1	Transport reference of ship-from **RFF+AGK:123456'**
SG1		O	1	Transport chain reference
RFF	19	M	1	Transport chain reference **RFF+AKI:Transport ID'**
SG2		R	1	Message Sender
NAD	20	M	1	Message Sender **NAD+MS+BHM::091'**
SG2		R	1	Message Recipient
NAD	21	M	1	Message Recipient name and address **NAD+MR+1234567890::091++Spediteur Schnell:Name2+Street1:Street2+City++12345+DE'**
SG3		R	1	Additional Party ID (DUNS)
RFF	22	M	1	Reference **RFF+ANK:123456789'**
SG2		R	1	Ship from empties
NAD	23	M	1	Ship from's - Shipping point empties **NAD+SF+0007101300::091++VOLKSWAGEN AG+Berliner Ring 2+Wolfsburg++38440+DE'**
LOC	24	O	1	Shipping location/ Place of loading **LOC+9+RLZLG::091:RLZ Leergut;Rudolph Logistik;Lehmkuhlenfeld;13;38444;Wolfsburg;DE'**
SG3		O	1	Additional Party ID (DUNS or account ID)
RFF	25	M	1	Reference **RFF+ANK:315016295'**
SG4		O	1	Expedition contact
CTA	26	M	1	Expedition contact **CTA+EX+ExpeditionContID:ExpeditionContactName'**
COM	27	O	3	Communication contact **COM+123456:TE'**
SG2		R	1	Ship to empties
NAD	28	M	1	Ship to's name and address **NAD+ST+0007101304::091++Volkswagen AG+Rudolph-Leiting-Platz+Baunatal+DE+34225+DE'**
LOC	29	O	1	Place of discharge **LOC+11+LGPWO::092:Leergut FB2'**
SG3		R	1	Additional Party ID (DUNS)

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
RFF	30	M	1	Reference **RFF+ANK:323104331'**
SG2		R	1	Freight forwarder
NAD	31	M	1	The freight forwarder is the business partner put in charge of the organisation of the transport **NAD+FW+0021235700::091++Spediteur Schnell:Name2+Street1:Street2+City++12345+DE'**
SG3		R	1	Additional Party ID (DUNS)
RFF	32	M	1	Reference **RFF+ANK:123456789'**
SG2		O	1	Transport ordering party
NAD	33	M	1	Transport ordering party - name and address **NAD+OY+ABC123::091++Name::X:X+Street:Street2+City++PostCode+GB'**
SG5		O	1	Terms of delivery
TOD	34	M	1	Terms of delivery or transport **TOD+6++CFR'**
LOC	35	O	1	Incoterms place **LOC+1+Ortsangabe für INCOTERMS Id::6:Ortsangabe für INCOTERMS'**
FTX	36	O	5	Terms of delivery - descriptive text **FTX+AAR++S+Text:Text:Text:Text:Text+de'**
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:X+AB 123::::DE++1+X'**
TMD	38	R	1	Transport movement type and loading sequence **TMD+X01+1'**
SG7		R	1	Place of departure
LOC	39	M	1	Current place of departure **LOC+5+7101300123::091:Place of departure as text'**
DTM	40	O	1	Required departure date and time for this transport leg **DTM+133:12345678901234567:203'**
SG7		R	1	Place of arrival
LOC	41	M	1	Current place of arrival **LOC+60+Place of Arrival ID::091:Place of Arrival as Text'**
DTM	42	O	1	Arrival date and time **DTM+132:12345678901234567:203'**
SG8		O	1	Information for the freight forwarder
EQD	43	M	1	Equipment details **EQD+X01'**

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Tag	No	St	MaxOcc	Name
SG9		R	1	Information for the freight forwarder
HAN	44	M	1	Handling instructions **HAN+101::10:COL'**
SG11		R	9999	Despatch control line identical handling units
CPS	45	M	1	Consignment packing sequence **CPS+1++3'**
SG12		R	1	Group of packaging items
PAC	46	M	1	Package **PAC+9++GT00070::O91++:11'**
MEA	47	D	1	Transport Packaging Unit (TPU) group length **MEA+AAZ+LN+MMT:1205'**
MEA	48	D	1	Transport Packaging Unit (TPU) group width **MEA+AAZ+WD+MMT:1005'**
MEA	49	D	1	Transport Packaging Unit (TPU) group height **MEA+AAZ+HT+MMT:999'**
MEA	50	O	1	Transport Packaging Unit (TPU) group volume **MEA+AAZ+ABJ+MTQ:1.204794'**
MEA	51	O	1	Maximum stackability for transport purposes **MEA+AAZ+AEA+C62:9'**
QTY	52	O	1	Maximum stackability **QTY+171:9:C62'**
SG14		O	1000	List of individual package items
PCI	53	M	1	Package identification **PCI+17'**
SG16		O	1	Label number(s)
GIN	54	M	1	Label IDs **GIN+ML+JUN123456789000012345'**
SG16		O	1	Package identification, assigned by the logistics service provider
GIN	55	M	1	Package identification, assigned by the logistics service provider **GIN+X01+54321+54323+54322+54330+54342'**
SG17		D	1	Individual transport handling unit's weights
COD	56	M	1	Trigger segment **COD+NO'**
MEA	57	R	1	Transport handling unit's gross weight **MEA+AAZ+AAB+KGM:95.050'**
SG19		D	9999	Article identification and despatch quantity
LIN	58	R	1	Packaging code of supplier of empties **LIN+1++006280:O91'**
PIA	59	O	1	Additional package type code

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
				PIA+1+PackageTypeCode:BJ+PackageTypeCode:O92+PackageType-Organisation:X1+PackageType-Organisation:X2+PackageType-Organisation:X3'
IMD	60	O	1	Indicator - empty container, folded **IMD+S+FO::10'**
QTY	61	R	1	Number of packaging items in bundle **QTY+490:9:C62'**
SG21		O	1	Dangerous goods information
DGS	62	M	1	Dangerous goods information **DGS+ADR++1234+009:CEL'**
FTX	63	O	1	Dangerous goods description **FTX+AAD+++Text:Text:Text:Text:Text+de'**
FTX	64	O	1	Dangerous goods declaration exception **FTX+HAZ+++Text:Text:Text:Text:Text+de'**
SG11		R	9999	Total sum of packaging items in the shipment
CPS	65	M	1	Consignment packing sequence **CPS+2++5'**
SG19		R	9999	Article identification and despatch quantity
LIN	66	M	1	Packaging code of customer **LIN+2++006280:O91'**
PIA	67	O	2	Additional package type code **PIA+1+PackageTypeCode:BJ+PackageTypeCode:O92+PackageType-Organisation:X1+PackageTypeCode:X2+PackageTypeCode:X3'**
IMD	68	O	1	Indicator - empty container, folded and package type description **IMD+B+FO::10+:::PackageTypeDescription'**
QTY	69	R	1	Despatched quantity **QTY+12:9:C62'**
SG21		O	1	Dangerous goods information
DGS	70	M	1	Dangerous goods **DGS+ADR++1234+009:CEL'**
FTX	71	O	1	Dangerous goods description **FTX+AAD+++Text:Text:Text:Text:Text+de'**
FTX	72	O	1	Dangerous goods declaration exception **FTX+HAZ+++Text:Text:Text:Text:Text+de'**
UNT	73	M	1	Message trailer **UNT+71+12345'**
UNZ	74	M	1	Interchange trailer **UNZ+1+144659'**

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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**	
UNA6	M	an1	**Segment terminator** Apostrophe	'

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

Example: `UNA:+.? '`

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UNB

No 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	R	n9	**Routing address** DUNS number of the pick-up forwarder	: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`

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```
++++++1'
```


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UNH

No 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 or VDA. In connection with directory 20B and syntax version "X", only code GAVN20 or higher is allowed. **GAVN20 VDA Packaging Transport Order (including item level) - DESADV V2.0**	:GAVN20'

Comment:

Example: UNH+12345+DESADV:D:20B:UN:GAVN20'

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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** **X07 Packaging Transport Order (including item level) - DESADV**	+X07
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
1000	R	an..35	**Document name** **LTL Less than truck load** **FTL Full truck load = One truck** For process indicator FTL, it is mandatory to transmit SG1 and RFF+AGK For process indicator FTL, it is mandatory to transmit SG1 and RFF+AGK	:FTL
C106	R		**Document/message identification**	
1004	R	an..20	**Document number** Unique identifier of the document. No duplicates during calendar year.	+12345
1056	O	n..2	**Version identifier** May be used to distinguish several versions of the message (e.g. subsequent cancellation)	:1
1225	R	an..3	**Message function code** **1 Cancellation** **9 Original**	+9'

Comment:

Example: BGM+X07::10:FTL+12345:1+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	n12	**Date or time or period text** Date/time of creation of the transport order	:202612010101
2379	R	an..3	**Date or time or period format code** **203 CCYYMMDDHHMM**	:203'

Comment:

Example: DTM+137:202612010101:203'

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DTM

No 6
Status R
MaxOcc 1

Requested shipment 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**	: 202612011200202612011400
2379	R	an..3	**Date or time or period format code** The use of time / time window depends on the concrete contract between the customer, supplier and transport service provider **102 CCYYMMDD** **203 CCYYMMDDHHMM** **719 CCYYMMDDHHMM-CCYYMMDDHHMM**	:719'

Comment:

Example: DTM+10:202612011200202612011400:719'

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DTM

No 7
Status O
MaxOcc 1

Estimated arrival date

	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	an..17	**Date or time or period text** Expected date of arrival of the shipment, estimated by the sender.	:20261203
2379	R	an..3	**Date or time or period format code** **102 CCYYMMDD** **203 CCYYMMDDHHMM** **205 CCYYMMDDHHMMZHHMM**	:102'

Comment:

Example: DTM+132:20261203:102'

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DTM

No 8
Status O
MaxOcc 1

Ship date, originally scheduled

	St	Format	Usage	Example
DTM				DTM
C507	M		**Date/time/period**	
2005	M	an..3	**Date or time or period function code qualifier** **110 Ship date, originally scheduled**	+110
2380	R	an..17	**Ship date, originally scheduled**	:202612011200?+0100
2379	R	an..3	**Date or time or period format code** **102 CCYYMMDD** **203 CCYYMMDDHHMM** **205 CCYYMMDDHHMMZHHMM**	:205'

Comment:

Example: DTM+110:202612011200?+0100:205'

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MEA

No 9
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	C	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'**

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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MEA

No 10
Status O
MaxOcc 1

Shipment volume

	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	C	an..8	**Measurement unit code** **DMQ cubic decimetre** **LTR litre** **MTQ cubic metre**	**+MTQ**
6314	R	n..9	**Shipment volume**	**:9'**

Comment:

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

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MEA

No 11
Status O
MaxOcc 1

Shipment 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	C	an..8	**Measurement unit code** **KGM kilogram**	+KGM
6314	R	n..9	**Shipment gross weight** Gross weight - weight (mass) without carrier's equipment	:9'

Comment:

Example: `MEA+AAX+AAD+KGM:9'`

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MEA

No 12
Status O
MaxOcc 1

Shipment loading metres

	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 metre**	**+MTR**
6314	R	n..9	**Shipment loading metres**	**:9'**

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

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

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MEA

No 13
Status O
MaxOcc 1

Total loading meter of the transport

	St	Format	Usage	Example
MEA				MEA
6311	M	an..3	**Measurement purpose code qualifier** **ACA Space occupied**	+ACA
C502	R		**Measurement details**	
6313	R	an..3	**Measured attribute code** **ACV Loading meters**	+ACV
C174	R		**Value/range**	
6411	R	an..8	**Measurement unit code** **MTR metre**	+MTR
6314	R	an..18	**Total loading meter of the transport**	:9'

Comment:

Example: `MEA+ACA+ACV+MTR:9'`

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SG1	Status	O	**Shipment number, assigned by packaging supplier**
	MaxOcc	1	
RFF	No	14	**Shipment number, assigned by packaging supplier**
	Status	M	
	MaxOcc	1	

	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'`

Comment:

Example: `RFF+CRN:ShipmentNumber'`

SG1	Status	O
	MaxOcc	1

Replaced Packaging Transport Order

RFF	No	15
	Status	M
	MaxOcc	1

Replaced Packaging Transport/Service Order (BGM 1225 = 5)

	St	Format	Usage	Example
RFF				RFF
C506	M		**Reference**	
1153	M	an..3	**Reference code qualifier** **AKT Forwarding order number**	+AKT
1154	R	an..35	**Replaced Packaging Transport/Service Order**	:ReplacedPackagingTransportOrderNumb'

Comment:

Example: `RFF+AKT:ReplacedPackagingTransportOrderNumb'`

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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SG1 Status O, MaxOcc 1 — **Access ID at pick-up, assigned by the ship-to**

Corresponds to the transport ID from LKW Control when used by the empty-goods sender

RFF No 16, 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	M	an..3	**Reference code qualifier** **ABE Declarant's reference number**	+ABE
1154	R	an..20	**Door opener at pick-up, assigned by the supplier, ship-to**	:290018021300001'

Comment:

Example: RFF+ABE:290018021300001'

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SG1	Status	O
	MaxOcc	1

ATLAS

RFF	No	17
	Status	M
	MaxOcc	1

Reference Numbers

	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	**Reference identifier** ABT: Movement reference number (MRN) assigned by the sytem of the customs administration (ATLAS in Germany) in case of export out of the EU AGK: This reference can be used by the transport ordering party as a common reference to bundle several transport orders respectively shipments, which have to be loaded on the same means of transport.	:123456'

Comment:

Example: RFF+ABT:123456'

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SG1	Status	D	**Transport reference of ship-from**
	MaxOcc	1	

RFF	No	18	**Transport reference of ship-from**
	Status	M	
	MaxOcc	1	

	St	Format	Usage	Example
RFF				RFF
C506	M		**Reference**	
1153	M	an..3	**Reference code qualifier** **AGK Application reference number**	+AGK
1154	R	an..35	**Reference identifier** This reference is used by the ship-from to specify which transport orders are to be picked up with the same means of transport. The AGK reference must be unique for each ship from and must not be repeated.	:123456'

Comment:

Example: `RFF+AGK:123456'`

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SG1	Status	O	Transport chain reference
	MaxOcc	1	

RFF	No	19	Transport chain reference
	Status	M	
	MaxOcc	1	

	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..35	**Transport chain reference** 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 forwarder of the first transport leg in the transport order confirmation. In segmented transport chains, this reference should be transmitted in all subsequent transport messages and in the associated billing. To ensure that this number is globally unique it has to be generated as explained below: • A globally unique identifier for the forwarder e. g. DUNS or Odette (see ISO 15459). • Plus a number generated by the forwarder that must not be repeated within 12 month. This rule will ensure to have a unique reference for the entire transport process starting at transport order confirmation up to the delivery at the recipient of the shipment. Each transport chain reference identifies exactly one shipment.	:Transport ID'

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 creator of the first transport order and may be the same as the order number of the first transport order. In segmented transport chains, this reference should be transmitted in all subsequent transport messages and in the associated billing.
In case the forwarder needs to split shipments, an own reference number has to be assigned to each individual shipment.

Example: `RFF+AKI:Transport ID'`

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SG2	Status	R	Message Sender
	MaxOcc	1	

NAD	No	20	Message Sender
	Status	M	
	MaxOcc	1	

	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**	+BHM
1131	N		Not used	:
3055	R	an..3	**Code list responsible agency code** **O91 Assigned by the provider of the empty packaging**	:O91'

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+BHM::O91'`

SG2	Status	R	**Message Recipient**
	MaxOcc	1	

NAD	No	21	**Message Recipient name and address**
	Status	M	
	MaxOcc	1	

	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	n10	**Party identifier**	+1234567890
1131	N		Not used	:
3055	R	an..3	**Code list responsible agency code** **O91 Assigned by the provider of the empty packaging**	:O91
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**	+
3251	C	an..17	**Postal identification code** Identifier of one or more address data properties according to the postal service of the respective country	+12345
3207	C	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 ohysical goods.

Example: `NAD+MR+1234567890::O91++Spediteur Schnell:Name2+Street1:Street2+City++12345+DE'`

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SG2	Status R MaxOcc 1	**Message Recipient**
SG3	Status R MaxOcc 1	**Additional Party ID (DUNS)**
RFF	No 22 Status M MaxOcc 1	**Reference**

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

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'`

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SG2	Status	R
	MaxOcc	1

Ship from empties

NAD	No	23
	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**	+0007101300
1131	N		Not used	:
3055	R	an..3	**Code list responsible agency code** Code specifying the agency responsible for a code list. **O91 Assigned by the provider of the empty packaging**	:O91
C058	N			
3124	N		Not used	+
C080	R		**Party name**	
3036	M	an..35	**Party name**	+VOLKSWAGEN AG
C059	R		**Street**	
3042	M	an..35	**Street and number or post office box identifier**	+Berliner Ring 2
3164	R	an..35	**City name**	+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**	+38440
3207	R	an..3	**Country identifier**	+DE'

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

Example: `NAD+SF+0007101300::O91++VOLKSWAGEN AG+Berliner Ring 2+Wolfsburg++38440+DE'`

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SG2	Status	R
	MaxOcc	1

Ship from empties

LOC	No	24
	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..10	**Location identifier** If it is a loading point of the Volkswagen Group, the ID of the loading point that must be stored in the Volkswagen Group's master data system shall be transmitted here. Identifier of location, site, etc.	+RLZLG
1131	N		Not used	:
3055	D	an..3	**Code list responsible agency code** Code specifying the agency responsible for a code list. **O91 Assigned by the provider of the empty packaging**	:O91
3224	O	an..256	**Location name** If the physical loading location of the means of transport is within the company premises specified in NAD+SF, only a short description is provided here. If the loading location is outside the company premises, the short name and the full address must be provided according to the following structure: Shortname;Name;Street;House number;Postal code;City; ISO country code Name of place/location; if necessary, use complete address.	:RLZ Leergut; Rudolph Logistik; Lehmkuhlenfeld;13;38444; Wolfsburg;DE'

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

Example: LOC+9+RLZLG::O91:RLZ Leergut;Rudolph Logistik;Lehmkuhlenfeld;13;38444;Wolfsburg;DE'

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SG2	Status R MaxOcc 1	**Ship from empties**
SG3	Status O MaxOcc 1	**Additional Party ID (DUNS or account ID)**
RFF	No 25 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	an..17	**Reference identifier** This segment can be used to transmit the DUNS number of the business partner, in addition to the customer number or the supplier number. The account number (Qualifier ADE) can be used if aside of the supplier number and the DUNS number a third identifier is neccessary (e.g. in certain CKD delivery processes).	:315016295'

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:315016295'**

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SG2	Status R MaxOcc 1	**Ship from empties**
SG4	Status O MaxOcc 1	**Expedition contact**
CTA	No 26 Status M MaxOcc 1	**Expedition contact**

	St	Format	Usage	Example
CTA				**CTA**
3139	R	an..3	**Contact function code** **EX Expeditor**	**+EX**
C056	O		**Contact details**	
3413	O	an..17	**Contact identifier** Identifies the department or employee by a unique identifier other than their name when given as a contact.	**+ExpeditionContID**
3412	O	an..256	**Contact name** Name of the contact person or department	**:ExpeditionContactName'**

Comment: Information that identifies the contact person or department responsible for expedition of goods, together with information about how they can be contacted.

Example: **CTA+EX+ExpeditionContID:ExpeditionContactName'**

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SG2	Status R MaxOcc 1	**Ship from empties**
SG4	Status O MaxOcc 1	**Expedition contact**
COM	No 27 Status O MaxOcc 3	**Communication contact**

	St	Format	Usage	Example
COM				COM
C076	M		**Communication contact**	
3148	M	an..100	**Communication address identifier** The number or virtual 'address' of a telephone in a telecommunication system The number or virtual 'address' of a telephone in an organisation's internal telecommunication system The number or virtual 'address' of a facsimile in a telecommunication system The number or virtual 'address' of an e-mail mailbox in the internet or other network. Within a given facility a detailed department mail delivery location.	+123456
3155	M	an..3	**Communication means type code** **EM Electronic mail** **FX Telefax** **TE Telephone**	:TE'

Comment:

Example: COM+123456:TE'

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SG2	Status	R	**Ship to empties**
	MaxOcc	1	
NAD	No	28	**Ship to's name and address**
	Status	M	
	MaxOcc	1	

	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**	+0007101304
1131	N		Not used	:
3055	R	an..3	**Code list responsible agency code** Code specifying the agency responsible for a code list. **O91 Assigned by the provider of the empty packaging**	:O91
C058	N			
3124	N		Not used	+
C080	R		**Party name**	
3036	M	an..35	**Party name** Single text line for specification of a name	+Volkswagen AG
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	+Rudolph-Leiting-Platz
3042	O	an..35	**Street and number or post office box identifier**	:
3164	R	an..35	**City name** The name of the city, town, or village of this address.	+Baunatal
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.	+DE
3251	R	an..17	**Postal identification code** Identifier of one or more address data properties according to the postal service of the respective country	+34225
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+0007101304::O91++Volkswagen AG+Rudolph-Leiting-Platz+Baunatal+DE+34225+DE'

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SG2	Status	R	**Ship to empties**
	MaxOcc	1	
LOC	No	29	**Place of discharge**
	Status	O	
	MaxOcc	1	

	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. If it is a loading point of the Volkswagen Group, the ID of the loading point that must be stored in the Volkswagen Group's master data system shall be transmitted here.	`+LGPWO`
1131	N		Not used	`:`
3055	R	an..3	**Code list responsible agency code** Code specifying the agency responsible for a code list. **O92 Assigned by the receiver of the empty packaging**	`:O92`
3224	O	an..256	**Location name** Name of place/location; if necessary, use complete address. If the physical unloading location of the means of transport is within the company premises specified in NAD+SF, only a short description is provided here. If the unloading location is outside the company premises, the short name and the full address must be provided according to the following structure: Shortname;Name;Street;House number;Postal code;City; ISO country code	`:Leergut FB2'`

Comment: Location where goods are unloaded from transport vehicle.

Example: `LOC+11+LGPWO::O92:Leergut FB2'`

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SG2	Status R MaxOcc 1	**Ship to empties**
SG3	Status R MaxOcc 1	**Additional Party ID (DUNS)**
RFF	No 30 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	:323104331'

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:323104331'**

SG2	Status	R
	MaxOcc	1

Freight forwarder

NAD	No	31
	Status	M
	MaxOcc	1

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

	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**	+0021235700
1131	N		Not used	:
3055	R	an..3	**Code list responsible agency code** Code specifying the agency responsible for a code list. **O91 Assigned by the provider of the empty packaging**	:O91
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:

Example: `NAD+FW+0021235700::O91++Spediteur Schnell:Name2+Street1:Street2+City++12345+DE'`

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SG2	Status R MaxOcc 1	**Freight forwarder**
SG3	Status R MaxOcc 1	**Additional Party ID (DUNS)**
RFF	No 32 Status M MaxOcc 1	**Reference**

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

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'`

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SG2	Status	O	**Transport ordering party**
	MaxOcc	1	

NAD	No	33	**Transport ordering party - name and address**
	Status	M	
	MaxOcc	1	

	St	Format	Usage	Example
NAD				NAD
3035	M	an..3	**Party function code qualifier** **OY Ordering customer**	+OY
C082	O		**Party identification details** All partners listed in the invoicing message are to be transmitted with the complete name and address information. Partner ID is an additional information for enabeling the automated processing and matching to internal records.	
3039	M	an..35	**Party identifier** Identification - customer number at the forwarder	+ABC123
1131	N		Not used	:
3055	R	an..3	**Code list responsible agency code** Agency responsible for code list / identifier maintenance **16 US, D&B (Dun & Bradstreet Corporation)** **O91 Assigned by the provider of the empty packaging** **O92 Assigned by the receiver of the empty packaging**	:O91
C058	N			
3124	N		Not used	+
C080	R		**Party name**	
3036	M	an..35	**Party name** Single text line for specification of a name	+Name
3036	O	an..35	**Party name** see 3036 # 1	:
3036	O	an..35	**Party name** see 3036 # 1	:X
3036	O	an..35	**Party name** see 3036 # 1	:X
C059	R		**Street**	
3042	M	an..35	**Street and number or post office box identifier** The name that identifies the location of a house or building: usually within a street as part of an address.	+Street
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.	+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** The identifier for one or more properties according to the postal service of that country; a group of letters and/or numbers added to the postal address to assist in the sorting of mail.	+PostCode
3207	R	a2	**Country identifier**	+GB'

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
			Use ISO3166 two alpha code.	

Comment: Identification of the transport ordering and paying party according to forwarder's identification system.

Example: `NAD+OY+ABC123::091++Name::X:X+Street:Street2+City++PostCode+GB'`

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SG5	Status	O
	MaxOcc	1

Terms of delivery

TOD	No	34
	Status	M
	MaxOcc	1

Terms of delivery or transport

	St	Format	Usage	Example
TOD				TOD
4055	R	an..3	**Delivery or transport terms function code** **6 Delivery condition**	+6
4215	N		Not used	+
C100	O		**Terms of delivery or transport**	
4053	R	an..3	**Delivery or transport terms description code** **CFR COST AND FREIGHT** **CIF COST INSURANCE AND FREIGHT** **CIP CARRIAGE AND INSURANCE PAID TO** **CPT CARRIAGE PAID TO** **DAF DELIVERED AT FRONTIER** **DAP Delivered At Place (insert named place of destination)** **DAT Delivered At Terminal (insert named terminal at port or place of destination)** **DDP DELIVERED DUTY PAID** **DDU DELIVERED DUTY UNPAID** **DEQ DELIVERED EX QUAY (DUTY PAID)** **DES DELIVERED EX SHIP** **EXW EX WORKS** **FAS FREE ALONGSIDE SHIP** **FCA FREE CARRIER** **FOA FREE ON AIRCRAFT** **FOB FREE ON BOARD** **FOR FREE ON RAIL** **DPU Delivered at Place Unloaded** The list also contains codes that are no longer part of INCOTERMS 2010 and/or 2020, as they are still widely used.	+CFR'

Comment:

Example: TOD+6++CFR'

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SG5	Status	O	**Terms of delivery**
	MaxOcc	1	

LOC	No	35	**Incoterms place**
	Status	O	
	MaxOcc	1	

	St	Format	Usage	Example
LOC				`LOC`
3227	M	an..3	**Location function code qualifier** **1 Place of terms of delivery**	`+1`
C517	R		**Location identification**	
3225	O	an..35	**Location identifier** Identifier of location, site, etc.	`+Ortsangabe für INCOTERMS Id`
1131	N		Not used	`:`
3055	R	an..3	**Code list responsible agency code** **6 UN/ECE (United Nations - Economic Commission for Europe)** If a UN/LOCODE is used in DE 3225, use code 6. **O91 Assigned by the provider of the empty packaging** **O92 Assigned by the receiver of the empty packaging**	`:6`
3224	O	an..256	**Location name** Name of place/location, other than city name. 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).	`:Ortsangabe für INCOTERMS'`

Comment: Identifies location of despatch or destination according to applicable INCOTERMS code.

Example: `LOC+1+Ortsangabe für INCOTERMS Id::6:Ortsangabe für INCOTERMS'`

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SG5	Status	O
	MaxOcc	1

Terms of delivery

FTX	No	36
	Status	O
	MaxOcc	5

Terms of delivery - descriptive text

	St	Format	Usage	Example
FTX				FTX
4451	M	an..3	**Text subject code qualifier** **AAR Terms of delivery**	+AAR
4453	N		Not used	+
C107	O		**Text reference**	
4441	M	an..17	**Free text description code** Priority of transmission: "Prioritised", "Standard" The client must specify precisely in which situation the value "Prioritised" should be used. **A Bypass delivery** **B Cross docking** **C Backorder** **D Extra tour** **P Prioritised** **S Standard**	+S
C108	R		**Text literal**	
4440	M	an..256	**Free text** Free text	+Text
4440	O	an..256	**Free text** see 4440#1	:Text
4440	O	an..256	**Free text** see 4440#1	:Text
4440	O	an..256	**Free text** see 4440#1	:Text
4440	O	an..256	**Free text** see 4440#1	:Text
3453	O	an..3	**Language name code** Code specifying the language name. Use ISO 639	+de'

Comment:

Example: `FTX+AAR++S+Text:Text:Text:Text:Text+de'`

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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-/Routennummer** 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** Code of mode of transport. Use UN/ECE Recommendation No 19. **10 Maritime transport** **20 Rail transport** **30 Road transport** **40 Air transport**	+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	:X
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** **5 Petrol**	+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
			6 Petrol and electric	
C290	O		**Transport service**	
8462	R	an..17	**Transport service identification code**	**+X**
1131	N		Not used	**:'**

Comment:

Example: `TDT+X01+Tour1+20++++ZZZ:X:X+AB 123::::DE++1+X'`

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SG6	Status	R
	MaxOcc	1

Transport details of one transport leg

TMD	No	38
	Status	R
	MaxOcc	1

Transport movement type and loading sequence

	St	Format	Usage	Example
TMD				TMD
C219	O		**Movement type**	
8335	O	an..3	**Movement type description code** **X01 Full truck load - with separate tender** **X02 Full truck load - within the scope of area contract freight forwarder** **X03 Milk run during unloading - with separate tender, direct contract** **X04 Milk run during unloading - within the scope of area contract freight forwarder** **X05 Distribution by area contract freight forwarder** **X06 Milk run during loading - with separate tender, direct contract** **X07 Milk run during loading - within the scope of area contract freight forwarder** **X08 Milk run during loading and unloading - with separate tender, direct contract** **X09 Milk run during loading and unloading - within the scope of area contract freight forwarder** **X10 Full Truck Load - with separate tender transport leg ship-from to consolidation centre / cross-dock** **X11 Full Truck Load - with separate tender for transport leg cros-dock to cross-dock** **X12 Full Truck Load - with separate tender for transport leg cross-dock to ship-to** **X13 Full Container Load - with separate tender from ship-from to ship-to** **X14 Less than Full Container Load - with separate tender for transport leg from ship-from to consolidation centre / cross-dock** **X15 Less than Full Container Load - with separate tender for transport leg cross-dock to cross-dock** **X16 Less than Full Container Load - with separate tender for transport leg cross-dock to ship-to** **X17 Courier Express Parcel (CEP)** **X18 Special transport with frame contract** **X19 Special transport spot market**	+X01
8332	O	an..26	**Loading sequence of a shipment on a means of transport (1 to 99)**	+1'

Comment:

Example: TMD+X01+1'

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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	an10	**Place of departure**	+7101300123
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	**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'

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+7101300123::O91:Place of departure as text'`

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SG6	Status R MaxOcc 1	**Transport details of one transport leg**
SG7	Status R MaxOcc 1	**Place of departure**
DTM	No 40 Status O MaxOcc 1	**Required departure date and time for this transport leg**

	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	an..35	**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**	:203'

Comment:

Example: DTM+133:12345678901234567:203'

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SG6	Status R MaxOcc 1	**Transport details of one transport leg**
SG7	Status R MaxOcc 1	**Place of arrival**
LOC	No 41 Status M MaxOcc 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**	+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'

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'`

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SG6	Status R MaxOcc 1	**Transport details of one transport leg**
SG7	Status R MaxOcc 1	**Place of arrival**
DTM	No 42 Status O MaxOcc 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	an..35	**Date or time or period text** Date / time	:1234567890123 4567
2379	R	an..3	**Date or time or period format code** **102 CCYYMMDD** **203 CCYYMMDDHHMM** **205 CCYYMMDDHHMMZHHMM**	:203'

Comment:

Example: DTM+132:12345678901234567:203'

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SG8	Status	O
	MaxOcc	1

Information for the freight forwarder

EQD	No	43
	Status	M
	MaxOcc	1

Equipment details

	St	Format	Usage	Example
EQD				`EQD`
8053	M	an..3	**Equipment type code qualifier** This segment is used as trigger only. Since UN/EDIFACT syntax rules require at least one data element in a segment, a dummy code has to be transmitted. **X01 Trigger**	`+X01'`

Comment: Information identifying and describing the equipment used.

Example: `EQD+X01'`

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SG8	Status O MaxOcc 1	**Information for the freight forwarder**
SG9	Status R MaxOcc 1	**Information for the freight forwarder**
HAN	No 44 Status M MaxOcc 1	**Handling instructions**

	St	Format	Usage	Example
HAN				**HAN**
C524	R		**Handling instructions**	
4079	R	an..3	**Codeliste to special transport conditions** **101 Please advise shipment @ telephone number: ... (text) telephone number for advice** **107 Delivery requires truck with lifting ramp/ platform** **108 Shipment to be delivered without directly unloading** **109 Handle with care, sensitive goods!** **110 Goods to be transported lying** **113 To be transported in advised temperature range!** **125 Direct pick-up** **126 Lifting platform required** **127 Loading / unloading from the rear** **128 Loading / unloading from the side (both sides)** **129 Loading / unloading from the side (left side)** **130 Loading / unloading from the side (right side)** **131 Loading / unloading with crane** **132 Self loading / self unloading** **133 Height restriction** **134 Fork lift required** **135 Anti slip matting required** **136 No transport means with loaded dangerous goods** **137 Exchange of loading means** **138 Only self-propelled truck** **139 7,5 Ton** **140 Tautliner** **141 Detailed instructions in the free text (FTX segment)**	**+101**
1131	N		Not used	**:**
3055	C	an..3	**Code list responsible agency code** **10 ODETTE**	**:10**
4078	O	an..512	**Handling instruction description** This code is related to the instruction in DE 4079 . **COL Collection** **DEL Delivery**	**:COL'**

Comment:

Example: **HAN+101::10:COL'**

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SG11	Status	R	**Despatch control line identical handling units**
	MaxOcc	9999	

CPS	No	45	**Consignment packing sequence**
	Status	M	
	MaxOcc	1	

	St	Format	Usage	Example
CPS				CPS
7164	M	n..6	**Hierarchical structure level identifier** Incremented counter generated by message sender, assigned to a packaging group in the message. We recommend starting at 1.	+1
7166	N		Not used	+
7075	R	an..3	**Packaging level code** Code specifying the packaging level. **3 Outer**	+3'

Comment:

Example: CPS+1++3'

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
PAC	No 46 Status M MaxOcc 1	**Package**

	St	Format	Usage	Example
PAC				PAC
7224	R	n..4	**Package quantity** Number of packages assigned to this group (number of identical packages).	+9
C531	N			
7075	N		Not used	+
C202	D		**Package type** Packaging type specified by customer The measurements of the handling unit or the package type code are mandatory. If a package type code is available for the bundle, it should be specified here. If no bundle type can be specified, C202 remains empty. In this case, the length, width and height of the load unit must be specified.	
7065	R	an..7	**Packaging code of the packaging supplier** For bundles, the type of the bundle can be specified here. Bundle ID of the container management system LISON.	+GT00070
1131	N		Not used	:
3055	R	an..3	**Code list responsible agency code** **O91 Assigned by the provider of the empty packaging**	:O91
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+9++GT00070::O91++:11'

SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
MEA	No 47 Status D MaxOcc 1	**Transport Packaging Unit (TPU) group length**

	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	C	an..8	**Measurement unit code** **MMT millimetre**	**+MMT**
6314	R	n..4	**Transport Packaging Unit (TPU) group length**	:1205'

Comment: Required if no package type code has been specified.

Example: **MEA+AAZ+LN+MMT**:1205'

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
MEA	No 48 Status D MaxOcc 1	**Transport Packaging Unit (TPU) group width**

	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** **WD Width dimension**	**+WD**
C174	R		**Value/range**	
6411	C	an..8	**Measurement unit code** **MMT millimetre**	**+MMT**
6314	R	n..4	**Transport Packaging Unit (TPU) group width**	:1005'

Comment: Required if no bundle type has been specified.

Example: **MEA+AAZ+WD+MMT**:1005'

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
MEA	No 49 Status D MaxOcc 1	**Transport Packaging Unit (TPU) group height**

	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	C	an..8	**Measurement unit code** **MMT millimetre**	+MMT
6314	R	n..4	**Transport Packaging Unit (TPU) group height**	:999'

Comment: Required if no bundle type has been specified.

Example: `MEA+AAZ+HT+MMT:999'`

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
MEA	No 50 Status O MaxOcc 1	**Transport Packaging Unit (TPU) group volume**

	St	Format	Usage	Example
MEA				MEA
6311	M	an..3	**Measurement purpose code qualifier** **AAZ Handling unit measurement**	+AAZ
C502	R		**Measurement details**	
6313	C	an..3	**Measured attribute code** **ABJ Volume**	+ABJ
C174	R		**Value/range**	
6411	C	an..8	**Measurement unit code** **MTQ cubic metre**	+MTQ
6314	R	n..9	**Transport Packaging Unit (TPU) group volume**	:1.204794'

Comment:

Example: `MEA+AAZ+ABJ+MTQ:1.204794'`

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
MEA	No 51 Status O MaxOcc 1	**Maximum stackability for transport purposes**

	St	Format	Usage	Example
MEA				**MEA**
6311	M	an..3	**Measurement purpose code qualifier** **AAZ Handling unit measurement**	**+AAZ**
C502	R		**Measurement details**	
6313	C	an..3	**Measured attribute code** **AEA Loading height**	**+AEA**
C174	R		**Value/range**	
6411	C	an..8	**Measurement unit code** Code specifying the unit of measurement, use UN/ECE Rec. 20 **C62 one**	**+C62**
6314	R	n..9	**Maximum stackability for transport purposes** Number of layers of packages in the transport.	**:9'**

Comment:

Example: **MEA+AAZ+AEA+C62:9'**

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
QTY	No 52 Status O MaxOcc 1	**Maximum stackability**

	St	Format	Usage	Example
QTY				QTY
C186	M		**Quantity details**	
6063	M	an..3	**Quantity type code qualifier** **171 Maximum stackability**	+171
6060	M	n..9	**Quantity** Maximum number of packages that might be stacked one on top of the other without causing damage.	:9
6411	O	an..8	**Measurement unit code** Code specifying the unit of measurement, use UN/ECE Rec. 20 **C62 one**	:C62'

Comment:

Example: QTY+171:9:C62'

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
SG14	Status O MaxOcc 1000	**List of individual package items**
PCI	No 53 Status M MaxOcc 1	**Package identification**

	St	Format	Usage	Example
PCI				`PCI`
4233	R	an..3	**Marking instructions code** **17 Seller's instructions**	`+17'`

Comment:

Example: `PCI+17'`

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
SG14	Status O MaxOcc 1000	**List of individual package items**
SG16	Status O MaxOcc 1	**Label number(s)**
GIN	No 54 Status M MaxOcc 1	**Label IDs**

	St	Format	Usage	Example
GIN				**GIN**
7405	M	an..3	**Object identification code qualifier** ML = package number specified by supplier **ML Marking/label number**	**+ML**
C208	M		**Identity number range**	
7402	M	an..35	**Object identifier** Label ID 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) => JUN123456789000012345	**+JUN123456789000012345'**

Comment: If correct assignment of the various package IDs is required, generate a separate SG13 for each package.
If this is not the case, the list can be transmitted with the respective IDs in the relevant GIN segment. The total number of SG15 must not exceed 99

Example: `GIN+ML+JUN123456789000012345'`

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
SG14	Status O MaxOcc 1000	**List of individual package items**
SG16	Status O MaxOcc 1	**Package identification, assigned by the logistics service provider**
GIN	No 55 Status M MaxOcc 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
C208	O		**Identity number range**	
7402	R	an..35	**Object identifier** see 7402 #1	+54323
C208	O		**Identity number range**	
7402	R	an..35	**Object identifier** see 7402 #1	+54322
C208	O		**Identity number range**	
7402	R	an..35	**Object identifier** see 7402 #1	+54330
C208	O		**Identity number range**	
7402	R	an..35	**Object identifier** see 7402 #1	+54342'

Comment:

Example: `GIN+X01+54321+54323+54322+54330+54342'`

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
SG14	Status O MaxOcc 1000	**List of individual package items**
SG17	Status D MaxOcc 1	**Individual transport handling unit's weights**

Required if no bundle type has been specified.

COD	No 56 Status M MaxOcc 1	**Trigger segment**

	St	Format	Usage	Example
COD				COD
C823	R		**Type of unit/component**	
7505	R	an..3	**Unit or component type description code** **NO** This segment is used as trigger only. Since UN/EDIFACT syntax rules require at least one data element in a segment, a dummy code has to be transmitted.	+NO '

Comment:

Example: COD+NO '

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG12	Status R MaxOcc 1	**Group of packaging items**
SG14	Status O MaxOcc 1000	**List of individual package items**
SG17	Status D MaxOcc 1	**Individual transport handling unit's weights**

Required if no bundle type has been specified.

MEA	No 57 Status R MaxOcc 1	**Transport handling unit's gross weight**

	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** **AAB Goods item gross weight**	**+AAB**
C174	R		**Value/range**	
6411	C	an..8	**Measurement unit code** Code specifying the unit of measurement, use UN/ECE Rec. 20 **KGM kilogram**	**+KGM**
6314	R	n..9	**Transport handling unit's gross weight**	:95.050'

Comment: Required if no bundle type has been specified.

Example: MEA+AAZ+AAB+KGM:95.050'

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG19	Status D MaxOcc 9999	**Article identification and despatch quantity**
LIN	No 58 Status R MaxOcc 1	**Packaging code of supplier of empties**

	St	Format	Usage	Example
LIN				LIN
1082	O	an..6	**Line item identifier** It may be necessary to define the rules for generating unique line numbers bilaterally. The date element should only be used, if absolutely required by the business process.	+1
1229	N		Not used	+
C212	O		**Item number identification**	
7140	R	an..7	**Packaging code of supplier of empties** The empty packages given here are used for assignment to specific transport loading units. For the accounting the LIN group in the CPS+++5'-group is used.	+006280
7143	R	an..3	**Item type identification code** **O91 Assigned by the provider of the empty packaging**	:O91'

Comment:

Example: `LIN+1++006280:O91'`

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG19	Status D MaxOcc 9999	**Article identification and despatch quantity**
PIA	No 59 Status O MaxOcc 1	**Additional package type code**

	St	Format	Usage	Example
PIA				`PIA`
4347	M	an..3	**Product identifier code qualifier** **1 Additional identification**	`+1`
C212	M		**Item number identification**	
7140	R	an..35	**Additional package type code**	`+PackageTypeCode`
7143	R	an..3	**Item type identification code** BJ = Package Bundle Type Code **BJ Next higher assembly number** **X1 GALIA France Package Type Code** **X2 VDA Germany Package Type Code** **X3 Other third party Package Type Code** **O92 Assigned by the receiver of the empty packaging**	`:BJ`
C212	O		**Item number identification** see C212#1	
7140	R	an..35	**Item identifier**	`+PackageTypeCode`
7143	R	an..3	**Item type identification code** See C212#1 data element 7143	`:O92`
C212	O		**Item number identification** see C212#1	
7140	R	an..35	**Item identifier**	`+PackageType-Organisation`
7143	C	an..3	**Item type identification code** See C212#1 data element 7143	`:X1`
C212	O		**Item number identification** see C212#1	
7140	R	an..35	**Item identifier**	`+PackageType-Organisation`
7143	R	an..3	**Item type identification code** See C212#1 data element 7143	`:X2`
C212	O		**Item number identification** see C212#1	
7140	R	an..35	**Item identifier**	`+PackageType-Organisation`
7143	R	an..3	**Item type identification code** See C212#1 data element 7143	`:X3'`

Comment: Supplier's package type code and / or package type code of a third party
The sequence of the individual IDs in C212 is free. The first C212 must however be filled. The remaining C212 are optional.

Example:
```
PIA+1+PackageTypeCode:BJ+PackageTypeCode:O92+PackageType-Organisation:X1+PackageType-Organisation:X2+PackageType-Organisation:X3'
```

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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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG19	Status D MaxOcc 9999	**Article identification and despatch quantity**
IMD	No 60 Status O MaxOcc 1	**Indicator - empty container, folded**

	St	Format	Usage	Example
IMD				`IMD`
7077	R	an..3	**Description format code** **S Structured (from industry code list)**	`+S`
C272	R		**Item characteristic**	
7081	R	an..3	**Item characteristic code** **FO Empty container, folded** Package Folded Indicator - Indicates that a handling unit is folded, use this indicator only for known (in the master data) packages	`+FO`
1131	N		Not used	`:`
3055	R	an..3	**Code list responsible agency code** **10 ODETTE**	`:10'`

Comment:

Example: `IMD+S+FO::10'`

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG19	Status D MaxOcc 9999	**Article identification and despatch quantity**
QTY	No 61 Status R MaxOcc 1	**Number of packaging items in bundle**

	St	Format	Usage	Example
QTY				QTY
C186	M		**Quantity details**	
6063	M	an..3	**Quantity type code qualifier** **490 Constituent element or component quantity**	+490
6060	R	n..9	**Quantity** Number of packages being acomponent of one of the identified bundles/TPUs.	:9
6411	O	an..3	**Measurement unit code** Quantity (to be) Despatched Measure Unit Specifier Code specifying the unit of measurement, use UN/ECE Rec. 20 **C62 one**	:C62'

Comment: Qualifier 490, according to VDA 4933 T2 is not supported.

Example: QTY+490:9:C62'

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG19	Status D MaxOcc 9999	**Article identification and despatch quantity**
SG21	Status O MaxOcc 1	**Dangerous goods information**
DGS	No 62 Status M MaxOcc 1	**Dangerous goods information**

	St	Format	Usage	Example
DGS				DGS
8273	O	an..3	**Dangerous goods regulations code**	+ADR
C205	N			
8351	N		Not used	+
C234	R		**UNDG information**	
7124	R	n4	**United Nations Dangerous Goods (UNDG) identifier** Four-digit UNDG code (United Nations Dangerous Goods) - identification number assigned to the hazardous substance according to the UNDG regulations.	+1234
C223	O		**Dangerous goods shipment flashpoint** Flashpoint of a product (being pure, dissolved or mixed) that is unequivocally proved by test and therefore relevant for transportation purposes.	
7106	R	n3	**Shipment flashpoint degree** Flashpoint temperature	+009
6411	R	an..8	**Measurement unit code** Code specifying the unit of measurement, use UN/ECE Recommendation 20, Common code. **CEL degree Celsius**	:CEL'

Comment:

Example: DGS+ADR++1234+009:CEL'

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG19	Status D MaxOcc 9999	**Article identification and despatch quantity**
SG21	Status O MaxOcc 1	**Dangerous goods information**
FTX	No 63 Status O MaxOcc 1	**Dangerous goods description**

	St	Format	Usage	Example
FTX				`FTX`
4451	M	an..3	**Text subject code qualifier** **AAD Dangerous goods technical name**	`+AAD`
4453	N		Not used	`+`
C107	N			
4441	N		Not used	`+`
C108	R		**Text literal**	
4440	M	an..256	**Free text** Free text - hazardous goods description	`+Text`
4440	O	an..256	**Free text** Free text - hazardous goods description	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods description	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods description	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods description	`:Text`
3453	O	an..3	**Language name code**	`+de'`

Comment:

Example: `FTX+AAD+++Text:Text:Text:Text:Text+de'`

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SG11	Status R MaxOcc 9999	**Despatch control line identical handling units**
SG19	Status D MaxOcc 9999	**Article identification and despatch quantity**
SG21	Status O MaxOcc 1	**Dangerous goods information**
FTX	No 64 Status O MaxOcc 1	**Dangerous goods declaration exception**

	St	Format	Usage	Example
FTX				`FTX`
4451	M	an..3	**Text subject code qualifier** **HAZ Hazard information**	`+HAZ`
4453	N		Not used	`+`
C107	N			
4441	N		Not used	`+`
C108	R		**Text literal**	
4440	M	an..256	**Free text** Free text - hazardous goods - exemption declaration	`+Text`
4440	O	an..256	**Free text** Free text - hazardous goods - exemption declaration	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods - exemption declaration	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods - exemption declaration	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods - exemption declaration	`:Text`
3453	O	an..3	**Language name code**	`+de'`

Comment:

Example: `FTX+HAZ+++Text:Text:Text:Text:Text+de'`

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SG11	Status	R	**Total sum of packaging items in the shipment**
	MaxOcc	9999	

CPS	No	65	**Consignment packing sequence**
	Status	M	
	MaxOcc	1	

	St	Format	Usage	Example
CPS				CPS
7164	M	n..6	**Hierarchical structure level identifier** Incremented counter generated by message sender, assigned to a packaging group in the message. We recommend starting at 1.	+2
7166	N		Not used	+
7075	R	an..3	**Packaging level code** Code specifying the packaging level. **5 Shipment level**	+5'

Comment:

Example: CPS+2++5'

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SG11	Status R MaxOcc 9999	**Total sum of packaging items in the shipment**
SG19	Status R MaxOcc 9999	**Article identification and despatch quantity**
LIN	No 66 Status M MaxOcc 1	**Packaging code of customer**

	St	Format	Usage	Example
LIN				`LIN`
1082	O	an..6	**Line item identifier** It may be necessary to define the rules for generating unique line numbers bilaterally. The date element should only be used, if absolutely required by the business process.	`+2`
1229	N		Not used	`+`
C212	R		**Item number identification**	
7140	R	an..7	**Packaging code of the packaging supplier**	`+006280`
7143	R	an..3	**Item type identification code** **O91 Assigned by the provider of the empty packaging**	`:O91'`

Comment:

Example: `LIN+2++006280:O91'`

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SG11	Status R MaxOcc 9999	**Total sum of packaging items in the shipment**
SG19	Status R MaxOcc 9999	**Article identification and despatch quantity**
PIA	No 67 Status O MaxOcc 2	**Additional package type code**

	St	Format	Usage	Example
PIA				PIA
4347	M	an..3	**Product identifier code qualifier** **1 Additional identification**	+1
C212	M		**Item number identification**	
7140	R	an..35	**Additional package type code**	+PackageTypeCode
7143	R	an..3	**Item type identification code** BJ = Package Bundle Type Code **BJ Next higher assembly number** **X1 GALIA France Package Type Code** **X2 VDA Germany Package Type Code** **X3 Other third party Package Type Code** **O92 Assigned by the receiver of the empty packaging**	:BJ
C212	O		**Item number identification** see C212#1	
7140	R	an..35	**Item identifier**	+PackageTypeCode
7143	R	an..3	**Item type identification code** See C212#1 data element 7143	:O92
C212	O		**Item number identification** see C212#1	
7140	R	an..35	**Item identifier**	+PackageType-Organisation
7143	R	an..3	**Item type identification code** See C212#1 data element 7143	:X1
C212	O		**Item number identification**	
7140	R	an..35	**Item identifier**	+PackageTypeCode
7143	R	an..3	**Item type identification code** See C212#1 data element 7143	:X2
C212	O		**Item number identification**	
7140	R	an..35	**Item identifier**	+PackageTypeCode
7143	R	an..3	**Item type identification code** See C212#1 data element 7143	:X3'

Comment: Supplier's package type code and / or package type code of a third party

Example: `PIA+1+PackageTypeCode:BJ+PackageTypeCode:O92+PackageType-Organisation:X1+PackageTypeCode:X2+PackageTypeCode:X3'`

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SG11	Status R MaxOcc 9999	**Total sum of packaging items in the shipment**
SG19	Status R MaxOcc 9999	**Article identification and despatch quantity**
IMD	No 68 Status O MaxOcc 1	**Indicator - empty container, folded and package type description**

	St	Format	Usage	Example
IMD				`IMD`
7077	R	an..3	**Description format code** **B Code and text**	`+B`
C272	O		**Item characteristic**	
7081	R	an..3	**Item characteristic code** **FO Empty container, folded**	`+FO`
1131	N		Not used	`:`
3055	R	an..3	**Code list responsible agency code** **10 ODETTE**	`:10`
C273	O		**Item description**	
7009	N		Not used	`+`
1131	N		Not used	`:`
3055	N		Not used	`:`
7008	R	an..256	**Packaging type description** Description/short name of packaging type in plain text.	`:PackageTypeDescription'`

Comment:

Example: `IMD+B+FO::10+:::PackageTypeDescription'`

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SG11	Status R MaxOcc 9999	**Total sum of packaging items in the shipment**
SG19	Status R MaxOcc 9999	**Article identification and despatch quantity**
QTY	No 69 Status R MaxOcc 1	**Despatched quantity**

	St	Format	Usage	Example
QTY				QTY
C186	M		**Quantity details**	
6063	M	an..3	**Quantity type code qualifier** **12 Despatch quantity**	+12
6060	R	n..9	**Quantity** Despatched quantity Number of packages assigned to this group (number of identical packages).	:9
6411	O	an..3	**Measurement unit code** Quantity (to be) Despatched Measure Unit Specifier Code specifying the unit of measurement, use UN/ECE Rec. 20 **C62 one**	:C62'

Comment:

Example: QTY+12:9:C62'

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SG11	Status R MaxOcc 9999	**Total sum of packaging items in the shipment**
SG19	Status R MaxOcc 9999	**Article identification and despatch quantity**
SG21	Status O MaxOcc 1	**Dangerous goods information**
DGS	No 70 Status M MaxOcc 1	**Dangerous goods**

	St	Format	Usage	Example
DGS				DGS
8273	O	an..3	**Dangerous goods regulations code**	+ADR
C205	N			
8351	N		Not used	+
C234	R		**UNDG information**	
7124	R	n4	**United Nations Dangerous Goods (UNDG) identifier** Four-digit UNDG code (United Nations Dangerous Goods) - identification number assigned to the hazardous substance according to the UNDG regulations.	+1234
C223	O		**Dangerous goods shipment flashpoint** Flashpoint of a product (being pure, dissolved or mixed) that is unequivocally proved by test and therefore relevant for transportation purposes.	
7106	R	n3	**Shipment flashpoint degree** Flashpoint temperature	+009
6411	R	an..8	**Measurement unit code** Code specifying the unit of measurement, use UN/ECE Recommendation 20, Common code. **CEL degree Celsius**	:CEL'

Comment:

Example: DGS+ADR++1234+009:CEL'

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SG11	Status R MaxOcc 9999	**Total sum of packaging items in the shipment**
SG19	Status R MaxOcc 9999	**Article identification and despatch quantity**
SG21	Status O MaxOcc 1	**Dangerous goods information**
FTX	No 71 Status O MaxOcc 1	**Dangerous goods description**

	St	Format	Usage	Example
FTX				`FTX`
4451	M	an..3	**Text subject code qualifier** **AAD Dangerous goods technical name**	`+AAD`
4453	N		Not used	`+`
C107	N			
4441	N		Not used	`+`
C108	R		**Text literal**	
4440	M	an..256	**Free text** Free text - hazardous goods description	`+Text`
4440	O	an..256	**Free text** Free text - hazardous goods description	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods description	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods description	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods description	`:Text`
3453	O	an..3	**Language name code**	`+de'`

Comment:

Example: `FTX+AAD+++Text:Text:Text:Text:Text+de'`

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SG11	Status R MaxOcc 9999	**Total sum of packaging items in the shipment**
SG19	Status R MaxOcc 9999	**Article identification and despatch quantity**
SG21	Status O MaxOcc 1	**Dangerous goods information**
FTX	No 72 Status O MaxOcc 1	**Dangerous goods declaration exception**

	St	Format	Usage	Example
FTX				`FTX`
4451	M	an..3	**Text subject code qualifier** **HAZ Hazard information**	`+HAZ`
4453	N		Not used	`+`
C107	N			
4441	N		Not used	`+`
C108	R		**Text literal**	
4440	M	an..256	**Free text** Free text - hazardous goods - exemption declaration	`+Text`
4440	O	an..256	**Free text** Free text - hazardous goods - exemption declaration	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods - exemption declaration	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods - exemption declaration	`:Text`
4440	O	an..256	**Free text** Free text - hazardous goods - exemption declaration	`:Text`
3453	O	an..3	**Language name code**	`+de'`

Comment:

Example: `FTX+HAZ+++Text:Text:Text:Text:Text+de'`

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UNT

No 73
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	+71
0062	M	an..14	**Message reference number** Message reference number	+12345'

Comment:

Example: UNT+71+12345'

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UNZ

No 74
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'

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