EDI-Recommendations of GS1 Germany Version 9.3

Drink

Despatch Advice
(DESADV)

EANCOM 2002 Syntax 3

Einführung

Introduction

The aim of the brochure on hand is to offer documentation describing the exchange of delivery data between business partners.

The basis of this elaboration is the international standard EANCOM® 2002. The message type DESADV 008 is used to transmit relevant data. GEFEG.FX (Gefeg mbH, Berlin) was used as the documentation tool.

Please be aware to know that this booklet does not replace the complete specifications in the original chapters or other relevant instructions within the EANCOM® 2002 documentation. Instead, it deals with the description of segments, data elements and codes to be used for a specific task.

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Important note

To fulfill the requirements of directive 2003/58/EG, article 4, C058 has been opened in NAD segments identifying a message sender. If the place in the 5 DE 3124 is not sufficient, the following RFF segments can be used, qualified with DE 1153 = GN. DE 1154 has got a capacity of 70 digits. Only in those cases, when no RFF segment follows NAD, a RFF+GN can be used in the heading section of the message. Within the EDI recommendations of GS! Germany this is only applicable for the messages REMADV and SLSFCT.

This brochure offers different ways to start

Introduction
"Introduction" contains a short description of the respective message.

BusinessTerms
"Business Terms", is a table which links directly to the sequence numbers of the segments.

Diagram
"Diagram", is a hierarchical graphic depiction of all used segments in the same sequence as they are defined in the EANCOM® message. However, every segment is shown only once, and it is therefore possible that the sequence numbering is interrupted.

Structure
"Structure", is a list of all used segments in the same sequence as they are defined in the EANCOM® message. In general, for each piece of information one single segment is provided. Exeptions may arrise when the the occurence of a segment is limited and can contain alternative information (e.g., segment BGM).

Segmentlayout
"Segmentlayout", an illustration that has been chosen to match the business terms (data from the inhouse application) with the elements from the EANCOM® syntax.

Codes
"Codes" contains a list of the codes used in the message.

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Examples
"Examples", provides at least one message example with comments. Please note that, for technical reasons, the examples can contain component data element separators, which would otherwise be represented as data element separators in the original messages.

Print
"Print" opens the PDF documentation for the corresponding message.

Scope DESADV

The DESADV is used to announce a delivery. Only logistical information are displayed. Prices are no part of the DESADV.
The delivery note number and the despatch advice number should be identical.

Message structure

Heading section
Specification of buyer an supplier, message date and number.

Detail section
Specification of GTIN to identify goods and services and their quantity.

Summary section
The summary section is for syntactical reasons only.

REFERENCES IN THE BEVERAGE SECTOR

Notes to the despatch advise in the beverages industry

The despatch advise can be regarded in three parts: the heading section, detail section and summary section.

The heading section contains the document number, the date of creation, the order number (receiver) and the despatch note number.The following rule applies to DESADV document number and despatch note number: If the used systems enable the possibility the document numbers of the electronic DESADV and paper based despatch note should be identical. As not all inhouse systems support this possibility one RFF segment to indicate the despatch note number is mandatory.

Receiver, sender delivery location and in case of transhipment process the final receiver are identified by use of GLN. Additionally the exact creation date and the expected delivery date is indicated.

The unambiguous product identification and the delivery quantities are discribed in the detail section according the packaging hierarchy.

The summary section can contain control values for checking purposes in the inhouse system of the receiver.

Einführung

Note to the deatil section of the documentation

Within the detail section it is possible to transmit SSCC to identify the consignment and/or consignment lines.

Additionally it is possible to describe the hierarchy of the consignment. Therefore the detail section is presented in two paragraphs:

1. Detail section - Presentation of the entire consignment
This detail section is mandatory in the message, (e.g., description of a pallet).

2. Detail section - Presentation if despatch unit(s)
This detail section can be used in the message, (e.g., description of consumer units within the cartons).

Additional detailed information can be found in chapter "6. ECR in der Getränkewirtschaft" of the ECR-Supply Side manual.

REFERENCES IN THE FOOD/NON_FOOD SECTOR AND DIY SECTOR

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2. Detail section - Presentation if despatch unit(s)
This detail section can be used in the message, (e.g., description of cartons placed on the pallet).

3. Detail section - Presentation of despatch unit(s)/article(s)
This detail section can be used in the message, (e.g., description of consumer units within the cartons).

Application scenarios of the DESADV message

Below different possibilities are illustrated on the use of the despatch advice message (DESADV). Please note especially the allocation of delivery - despatch advice and the allocation of delivery - transport means/units.

The despatch advice (DESADV) can have references to one or more purchase orders (ORDERS). If a consignment is split into multiple transport means/units more than one DESADV can have references to one ORDERS.

Basic principle

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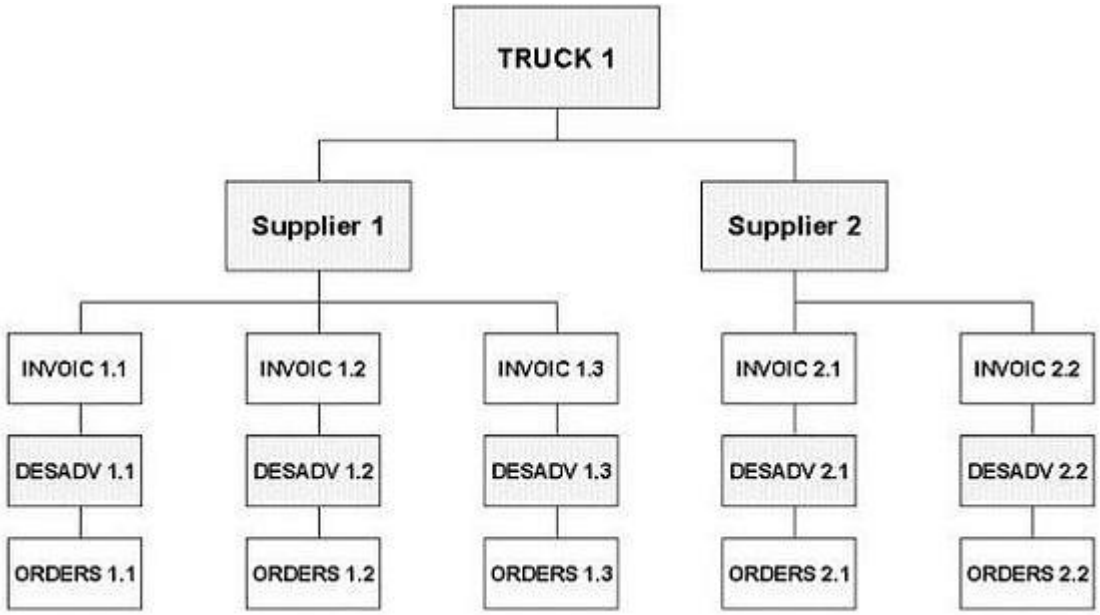
In general at least one DESADV should be sent per transport means/units, e.g., truck, container or swap trailer even if a consignment is allocated to multiple transport means/units.

Scenario 1: One despatch advice (DESADV) per order

One truck transports consignments of different suppliers. Each consignment of a supplier relates to one purchase order (ORDERS) and is adviced by one DESADV and will be followed by one commercial invoice (INVOIC).



Scenario 2: One despatch advice (DESADV) per supplier

One truck transports consignments of different suppliers. Only one DESADV is sent per supplier. Each of them has references to different purchase orders (ORDERS). Every DESADV will be followed by one commercial invoice (INVOIC) containing a reference to this DESADV.

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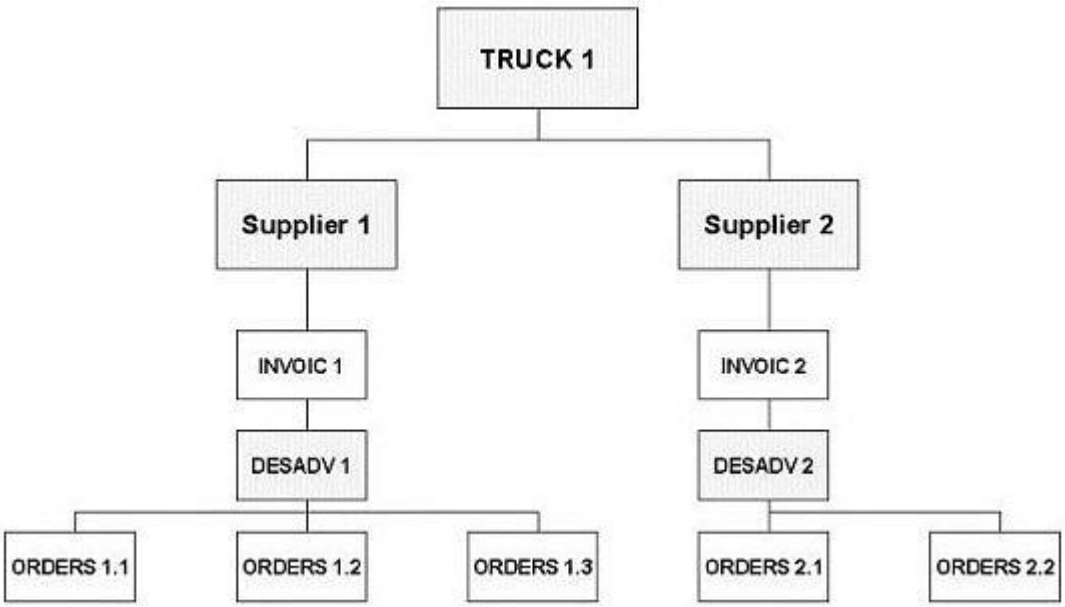
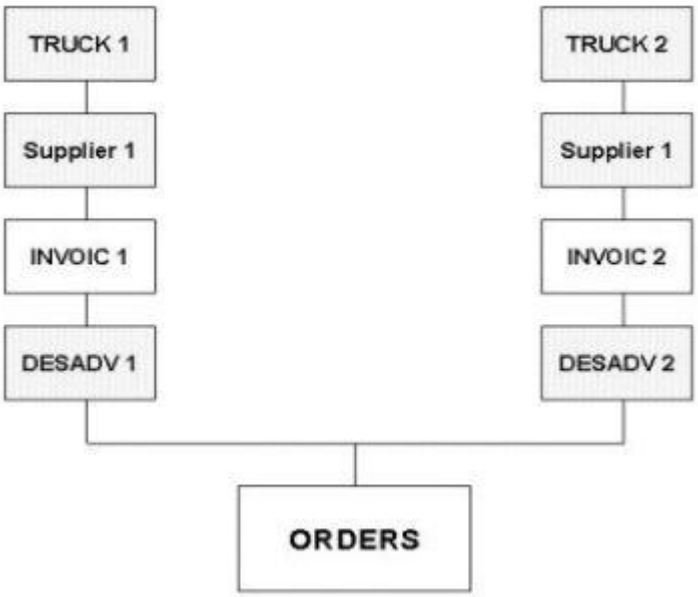


Scenario 3: One despatch advice (DESADV) per truck

Initiated by one purchase order (ORDERS) different trucks transport one consignment of one supplier. For each truck a DESADV is sent, all referencing to one ORDERS. In the following procedure
one commercial invoice (INVOIC) is generated per DESADV.



Sequence of the segment groups SG11 (PAC) and SG17 (LIN)

As the PAC and LIN group are on the same hierarchy level of the detail section different ways of interpretation are possible about the sequence of information relating the packages (PAC) and goods (LIN) in the DESADV.

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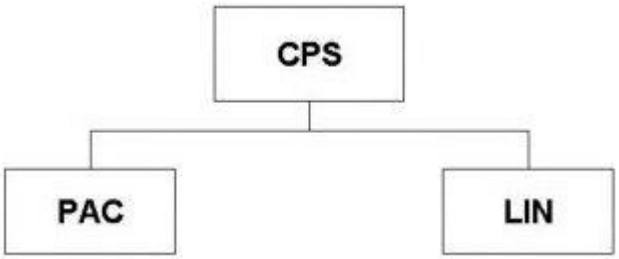

If the detail section provides information about packages and the contained goods the related LIN group should follow immediately the PAC group. The PAC group should NOT be used to describe all packages first and than be followed by the LIN group describing all goods.

Example:

...	
CPS+2+1'	Second consignment level, 1. pallet
PAC+1++201'	One ISO-1-pallet
MEA+PD+AAB+KGM:263.2'	Pallet gross weight 263,2 kg
PCI+39'	Pallet marked with SSCC
GIN+AW+354107280000001051'	SSCC 354107280000001051
PAC+20++CT'	Pallet contains 20 cartons
LIN+1++5410738000152:SRV'	The product is identified by GTIN 5410738000152
QTY+12:20'	Delivered quantity 20
...	

Indication of SSCC

In general the SSCC of the package is to be indicated within the PAC group. The PCI group below LIN primary provides information about the article. An example of the use is 17 = supplier's instructions followed by GIN containing a serial number, batch number, etc.

Description of the consignment hierarchy (CPS)

The following example describes a consignment containing of three pallets.

The first pallet contains 5 cartons marked with SSCC.

The second pallet describes a "sandwich pallet" separating single layers with a pallet. Each pallet of each layer is marked with SSCC. The creation of a hierarchy shows one pallet with multiple layers (pallets).

The third pallet contains only one type of article.

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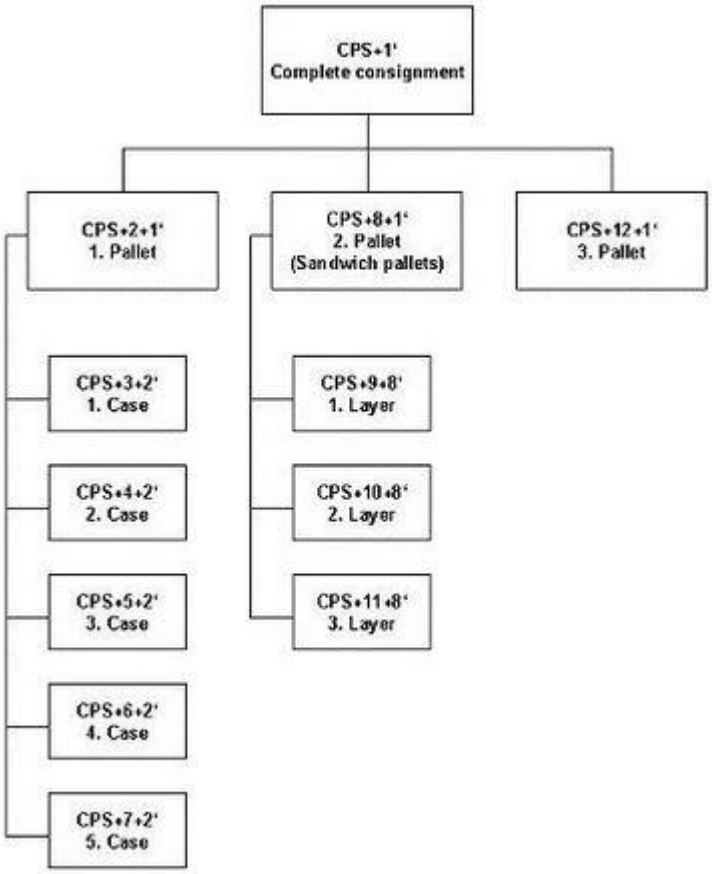

The CPS segment should describe all despatch units within the hierarchy that are marked with package identification (SSCC).

Example 1
One pallet contains 10 cartons marked with SSCC

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CPS+1'	Highest package hierarchy
PAC	Pallet contains 10 cartons
PCI	Pallet is marked with SSCC
GIN	SSCC of the pallet
CPS+2+1'	1. Unit
PAC	One carton
PCI	Marked with SSCC
GIN	SSCC of the carton
LIN	Article contained in the carton
QTY	Quantity
CPS+3+1'	2. Unit
PAC	One carton
PCI	Marked with SSCC
GIN	SSCC of the carton
LIN	Article contained in the carton
QTY	Quantity
etc.	

Example 2
A consignment with sandwich pallets

The following example describes a DESADV containing one consignment to be send by a supplier identified by GLN 4005505000001. The buyer is identified by GLN 4300234000002 and the warehouse, where goods shall be delivered to by GLN 4306545000007.

The DESADV with reference number 3387 has been sent on 03.01.2003. Goods are described as a complete consignment of buyers ORDERS 4506102649. The consignment shall be delivered on 07. 01.2003.

The DESADV describes a consignment consisting of 4 pallets, each uniquely identified by SSCC. All pallets are 800 mm x 1.200 mm standard pallets.

The first pallet is a sandwich pallet identified by SSCC 340055006337013062. It has 3 layers and 49 boxes. The first layer is identified by SSCC 340055007128841024 with 3 boxes containing a product with GTIN 400550073437. The second layer is identified by SSCC 340055007128855892 with 10 boxes containing a product with GTIN 405500073406. The third layer is identified by SSCC 340055007128841109 with 13 boxes containing a product with GTIN 400550072409 and 23 boxes containing a product with GTIN 4005500073802.

The second pallet is a homogene pallet identified by SSCC 340055007128841031 with 80 boxes containing a product with GTIN 4005500072904.

The third pallet is a homogene pallet identified by SSCC 340055007128869400 with 44 boxes containing a product with GTIN 400550073109.

The fourth pallet is a sandwich pallet identified by SSCC 340055000223707189. It has 3 layers and 52 boxes. The first layer is identified by SSCC 340055007128841109 with 4 boxes containing a product with GTIN 4005500073451. The second layer is identified by SSCC 340055005922028450 with 10 boxes containing a product with GTIN 405500073406. The third layer is identified by SSCC

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340055007128855540 with 8 boxes containing a product with GTIN 8000270043228 and 30 boxes containing a product with GTIN 4005500333623.

UNH+1+DESADV:D:01B:UN:EAN008'
BGM+351+3387+9'
DTM+137:20030103:102'
DTM+2:20030107:102'
RFF+DQ:80683239'
RFF+ON:4506102649'
NAD+BY+4300234000002::9'
NAD+DP+4306545000007::9'
NAD+SU+4005505000001::9'
CPS+1'
PAC+4++201'
CPS+2+1'
PAC+1+:52+201'
MEA+PD+LAY+H87:3'
PCI+39'
GIN+AW+340055006337013062'
PAC+49+:50+CT'
CPS+3+2'
PAC+1+:52+201'
PCI+39'
GIN+AW+340055007128841024'
PAC+3+:50+CT'
LIN+1++4005500073437:SRV'
QTY+12:3'
CPS+4+2'
PAC+1+:52+201'
PCI+39'
GIN+AW+ 340055007128855892'
PAC+10+:50+CT'
LIN+2++4005500073406:SRV'
QTY+12:10'
CPS+5+2'
PAC+1+:52+201'
PCI+39'
GIN+AW+ 340055007128841109'
PAC+36+:50+CT'
LIN+3++4005500072409:SRV'
QTY+12:13'
LIN+4++4005500073802:SRV'
QTY+12:23'
CPS+6+1'
PAC+1+:52+201'
PCI+39'
GIN+AW+340055007128841031'
PAC+80+:50+CT'
LIN+5++4005500072904:SRV'
QTY+12:80'
CPS+7+1'
PAC+1+:52+201'
PCI+39'
GIN+AW+340055007128869400'

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PAC+44+:50+CT'
LIN+6++4005500073109:SRV'
QTY+12:44'
CPS+8+1'
PAC+1+:52+201'
MEA+PD+LAY+H87:3'
PCI+39'
GIN+AW+340055000223707189'
PAC+52+:50+CT'
CPS+9+8'
PAC+1+:52+201'
PCI+39'
GIN+AW+340055007128841109'
PAC+4+:50+CT'
LIN+7++4005500073451:SRV'
QTY+12:4'
CPS+10+8'
PAC+1+:52+201'
PCI+39'
GIN+AW+340055005922028450'
PAC+10+:50+CT'
LIN+8++4005500073406:SRV'
QTY+12:10'
CPS+11+8'
PAC+1+:52+201'
PCI+39'
GIN+AW+340055007128855540'
PAC+38+:50+CT'
LIN+9++8000270043228:SRV'
QTY+12:8'
LIN+10++4005500333623:SRV'
QTY+12:30'
UNT+83+1'
UNZ+1+1'

REFERENCES IN THE MEDIA SECTOR

Supply of goods

The following references are used within the Media sectors to manage the supply of goods:

Einführung

		ORDERS		ORDRSP		DESADV		INVOIC
Heading Section	Order number	**BGM DE 1004**	⇨	RFF ON	⇨	RFF ON	⇨	RFF ON
	Order number (supplier)	**BGM DE 1004**	⇨	RFF VN	⇨	RFF VN	⇨	RFF VN
	Customer reference number	RFF CR	⇨	RFF CR	⇨	RFF CR	⇨	RFF CR
	Sellers reference number	RFF SS	⇨	RFF SS	⇨	RFF SS	⇨	RFF SS
	Promotional Deal number	RFF PD	⇨	RFF PD	⇨	RFF PD	⇨	RFF PD
	Purchase order response no.			**BGM DE 1004**	⇨	RFF POR	⇨	RFF POR
	Despatch advice number					**BGM DE 1004**	⇨	RFF AAK
	Delivery note number					RFF DQ	⇨	RFF DQ
	Sales department number				⇨	RFF SD	⇨	RFF SD
Detail Section	Sales department number	RFF SD		RFF SD	⇨	RFF SD	⇨	RFF SD
	Sellers reference number	**RFF SS**	⇨	**RFF SS**	⇨	**RFF SS**	⇨	**RFF SS**
	Customer reference number	**RFF CR**	⇨	**RFF CR**	⇨	**RFF CR**	⇨	**RFF CR**
	Delivery note number					**RFF DQ**	⇨	**RFF DQ**
	Promotional Deal number	RFF PD	⇨	RFF PD	⇨	RFF PD	⇨	RFF PD

BGM segments are mandatory. RFF-Segments printed in bold are depending. They must be specified in the detail section as far as a default is not defined in the heading section.

In general the customer reference number (RFF+CR) is depending. If the order is generated by the supplier (agent order, VMI) this reference is replaced by the sellers reference number (RFF+SS). Only one reference number is indicated, either the customer reference number or the sellers reference number.

Einführung

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Additionally it is possible to describe the hierarchy of the consignment. Therefore the detail section is presented in two paragraphs:

1. Detail section - Presentation of the entire consignment
This detail section is mandatory in the message, (e.g., description of a pallet).

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This detail section can be used in the message, (e.g., description of the cartons on the pallet).

Appendix: Codelist "Media"

To be used used in conjunction with DE 3035 = 246 and DE 1131 = MEDIA.

Lable information (ORDERS), FTX:

AF	=	Box number
BF	=	User defined freetext
BI	=	Barcode information
EA	=	Lable type
HA	=	Handling information
NE	=	Customer name
PT	=	Price text
RN	=	Number of storage rack

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Order qualifier (ORDERS, ORDRSP, DESADV), FTX:

		ORDERS	ORDRSP	DESADV
DUN	= do not record dues (supply only if immediately available)	x	x	x
DUY	= record dues (backorder if not immediately available)	x	x	x
ZRN	= central settlement, no	x		
ZRY	= central settlement, yes	x		
OWN	= do not forward order to publisher	x		
OWY	= forward order to publisher	x		
RWN	= remittance, no	x		
RWY	= remittance, yes	x		
ACN	= consignment order, no	x		
ACY	= consignment order, yes	x		
PKN	= backorder, no (until agreed order volume is reached)	x	x	
PKY	= backorder, yes (until agreed order volume is reached)	x	x	
TUN	= do not supply replacement article	x	x	
TUY	= automatic supply replacement article	x	x	
PWN	= batch bonus, no	x		
PWY	= batch bonus, yes	x		
FSN	= order not forwarded to publisher		x	
FSY	= order forwarded to publisher		x	

Reasons for return (RETANN, RETINS), CDI:

AC	=	Over-shipped
AG	=	Delivered too late
ALP	=	Change of fixed retail price
AT	=	Item not ordered
DME	=	Damaged
FLG	=	Wrong delivery
VEV	=	according contract
X39	=	Goods technical failings (inclusive misprints)

Glossary

Order
A purchase order of a buyer basically leads to an order at the supplier (in EANCOM the purchase order corresponds to the order). The purchase order can be generated either by the buyer or in case of CRP by the supplier. It should correspond to an individual purchase order, i.e. a place of delivery and a delivery date should be specified.

Transportation
The transportation (physical movement of goods) by means of transport vessels from one place to another.

Means of transport
Is a unit of a means of transport (ship, plane, train, truck) for transporting goods or people.

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Transport equipment / transport vessel
The unit in which goods are transported outside buildings by various means of transport: Trailer, swap body, semi-trailer, wagon, container, etc. Unlike the means of transport, the transport vessel does not have its own drive.

Cargo
Is the quantity of goods assembled and transported for one trip in/on a means of transport. The cargo may include one or more consignments.

Consignment
Quantity of goods which is taken over by a consignor at a dispatch point at the same time and transported and unloaded to a consignee at a receiving point and for a delivery date.

Delivery
A delivery is formed on the basis of orders or call-offs and can consist of one or more delivery units, which are transported from the sender of the goods (e.g. supplier, manufacturer) to the recipient of the goods (e.g. retail warehouse). In principle, a delivery can be distributed to different shipments, correspond to a shipment or be part of a shipment. However, in the context of this recommendation, the upper limit for a delivery should be a consignment, i.e. a delivery may correspond to a consignment or be part of a consignment. Delivery includes fulfillment or partial fulfillment of an order.

Shipping Unit
Physical, identifiable, unchangeable and traceable handling unit in the logistics chain. The identification is done via the NVE. This definition also applies to so-called sandwich pallets, which are treated as a handling unit in the logistics chain.

Loading equipment
Means of combining and securing goods to form a loading unit, e.g. pallet, container, mesh box.

Business Terms

Business Term	EANCOM-Segment			Data Element	
	Seg.-No.	Segment	SG	DEG	DE
Acknowledgement request	2	UNB			0031
Address for reverse routing	2	UNB		S002	0008
Application reference	2	UNB			0026
Best before date	35	DTM	SG10#3\SG17#1\SG22#1	C507	2380
Character set	2	UNB		S001	0001
Component data element separator	1	UNA			UNA1
Control value	37	CNT		C270	6066
Country of receiver, coded	14	NAD	SG2#4		3207
Creation date	5	DTM		C507	2380
Data element separator	1	UNA			UNA2
Decimal notation	1	UNA			UNA3
Delivered quantity	32	QTY	SG10#3\SG17#1	C186	6060
Delivery date	7	DTM		C507	2380
Delivery note	10	RFF	SG1#9	C506	1154
Delivery party identification	14	NAD	SG2#4	C082	3039
Despatch date	6	DTM		C507	2380
Display	31	IMD	SG10#3\SG17#1	C273	7009
Document Number	4	BGM		C106	1004
Document qualification	4	BGM		C002	1000
EANCOM	2	UNB			0032
End of the transmission file, Number of messages or message groups	39	UNZ			0036
Expiry date	36	DTM	SG10#3\SG17#1\SG22#1	C507	2380
File creation date	2	UNB		S004	0017
File creation time	2	UNB		S004	0019
Gross weight of a package (despatch units / articles)	22	MEA	SG10#3\SG11#1	C502	6313
Gross weight of the consignment	18	MEA	SG10#1\SG11#1	C502	6313
Gross weight of the consignment	25	MEA	SG10#3\SG11#1	C502	6313
GTIN Article identification	29	LIN	SG10#3\SG17#1	C212	7140
Height of package (despatch units / articles)	24	MEA	SG10#3\SG11#1	C502	6313
Hierarchy level (despatch units / articles)	20	CPS	SG10#3		7166
Identification of buyer/invoicee	11	NAD	SG2#1	C082	3039
Identification of invoicee	12	NAD	SG2#2	C082	3039
Indentification of the receiver of the transmission file	2	UNB		S003	0010
Indentification of the sender of the transmission file	2	UNB		S002	0004

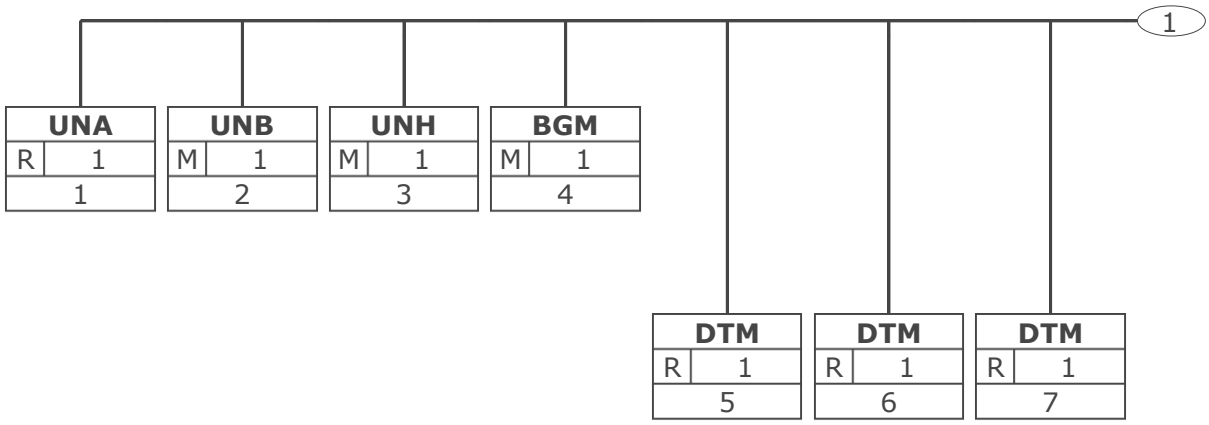
Business Terms

Business Term	EANCOM-Segment			Data Element	
	Seg.-No.	Segment	SG	DEG	DE
Interchange control reference, beginnig	2	UNB			0020
Interchange control reference, end	39	UNZ			0020
Label type, code	28	PCI	SG10#3\SG11#1\SG13#5	C210	7102
Label, description/content	28	PCI	SG10#3\SG11#1\SG13#5	C210	7102
Line item number	29	LIN	SG10#3\SG17#1		1082
Marking on package	34	PCI	SG10#3\SG17#1\SG22#1		4233
Marking with SSCC (despatch units / articles)	26	PCI	SG10#3\SG11#1\SG13#1		4233
Message reference number	3	UNH			0062
Name 1 of the receiver	14	NAD	SG2#4	C080	3036
Name 2 of the receiver	14	NAD	SG2#4	C080	3036
Name 3 of the receiver	14	NAD	SG2#4	C080	3036
No empties available	33	QTY	SG10#3\SG17#1	C186	6060
Number of packages (Consignment)	17	PAC	SG10#1\SG11#1		7224
Number of packages (despatch units / articles)	21	PAC	SG10#3\SG11#1		7224
Order empties return	8	RFF	SG1#2	C506	1154
Password interchange	2	UNB		S005	0022
Pick up place identification	13	NAD	SG2#3	C082	3039
Place of receiver - name of a city (town, village) for adressing purposes.	14	NAD	SG2#4		3164
Postcode of receiver	14	NAD	SG2#4		3251
Release character	1	UNA			UNA4
Reserved for future use	1	UNA			UNA5
Routing address	2	UNB		S003	0014
Segment terminator	1	UNA			UNA6
Sequence of packages within the consignment	16	CPS	SG10#1		7164
Sequence of the packages (despatch units / articles)	20	CPS	SG10#3		7164
Serial Shipping Container Code (SSCC at article)	27	GIN	SG10#3\SG11#1\SG13#1\SG15#1	C208	7402
Street and number of receiver	14	NAD	SG2#4	C059	3042
Supplier identification	15	NAD	SG2#6	C082	3039
Suppliers reference number for empties return	9	RFF	SG1#4	C506	1154
Syntax version	2	UNB		S001	0002
Test indicator	2	UNB			0035

Business Terms

Business Term	EANCOM-Segment			Data Element	
	Seg.-No.	Segment	SG	DEG	DE
Total number of segments in the message	38	UNT			0074
Total volume of the consignment	19	MEA	SG10#1\SG11#1	C502	6313
Type number	30	PIA	SG10#3\SG17#1	C212	7140
Volume of package	23	MEA	SG10#3\SG11#1	C502	6313

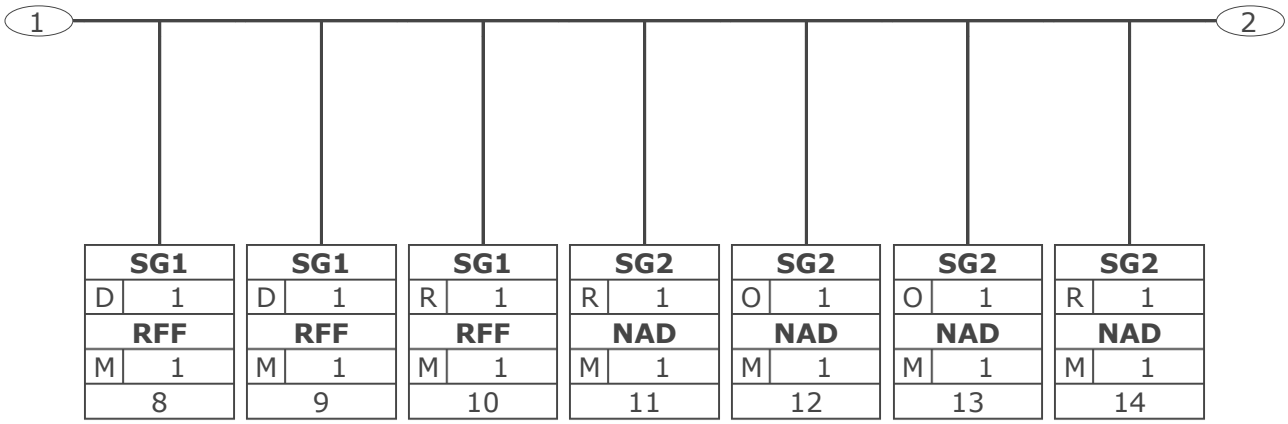
Branching Diagram



Tag	
St	MaxOcc
No	

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

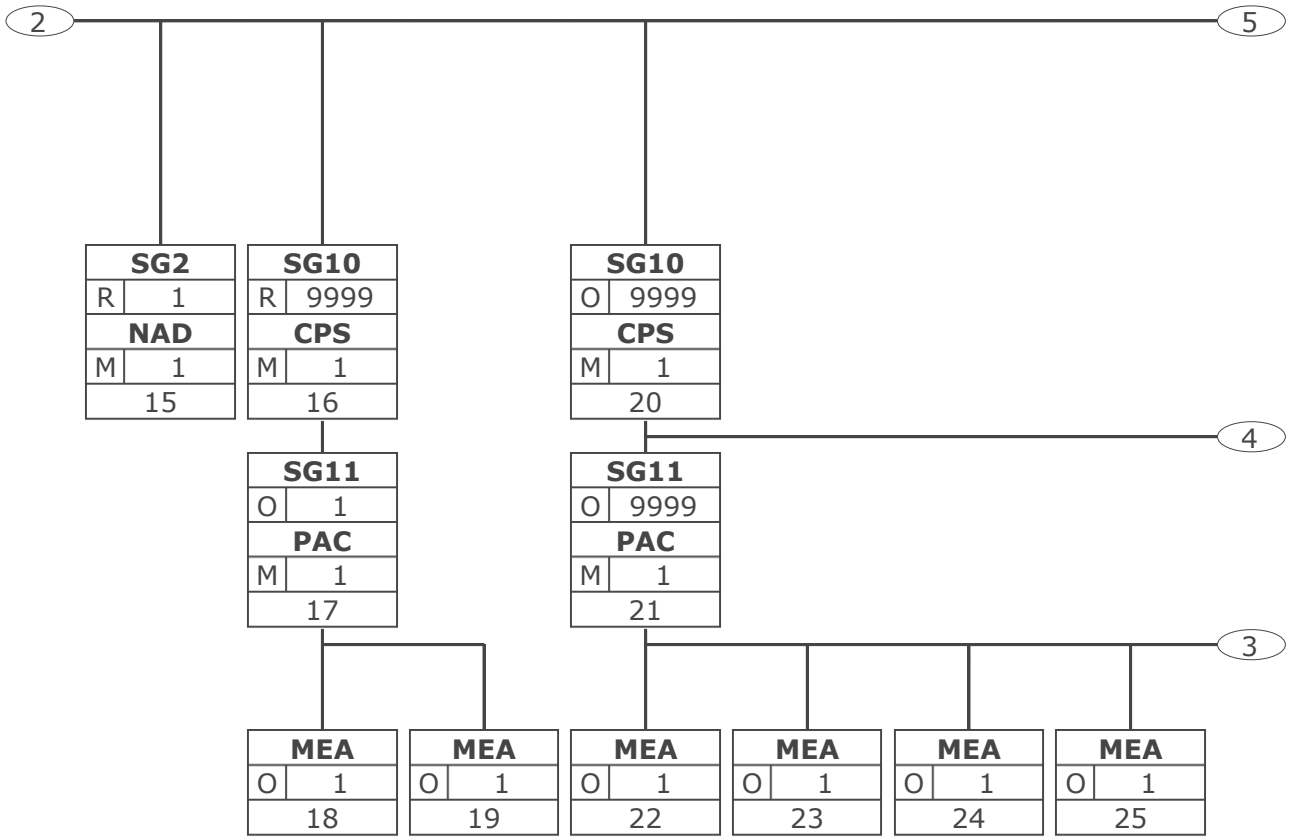
Branching Diagram



Tag	
St	MaxOcc
No	

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

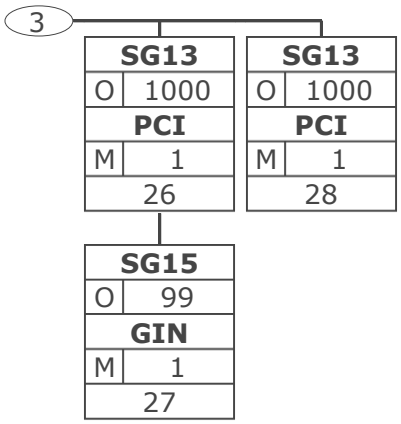
Branching Diagram



Tag	
St	MaxOcc
No	

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

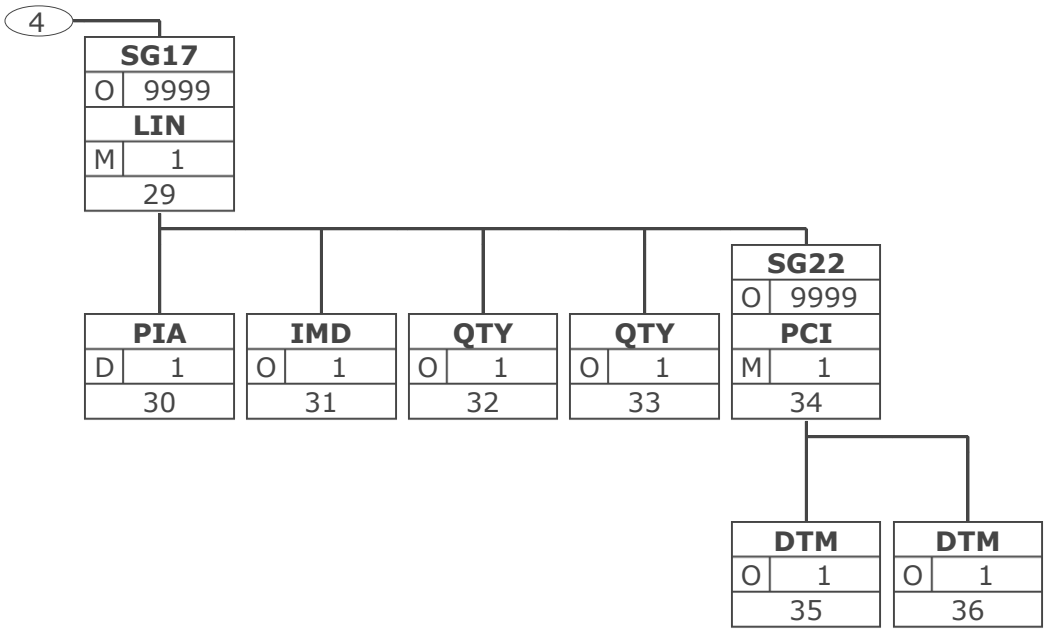
Branching Diagram



Tag	
St	MaxOcc
No	

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

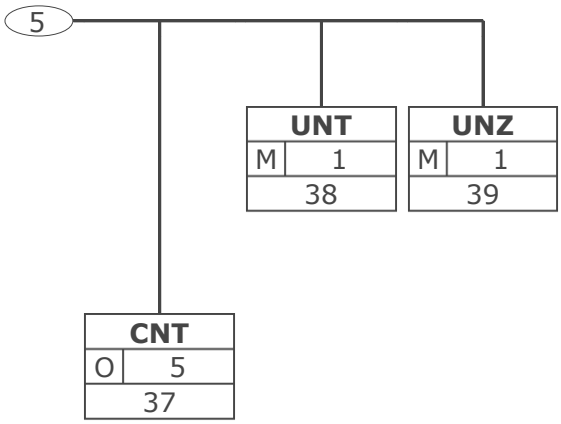
Branching Diagram



Tag	
St	MaxOcc
No	

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

Branching Diagram



Tag	
St	MaxOcc
No	

Tag = Segment/Group Tag
St = Status (M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent)
MaxOcc = Maximum occurrence of the segment/group; No = Consecutive segment number

Message Structure

Seg.	No.	Status	Max Occ	Segment
UNA	1	R	1	Used character set
UNB	2	M	1	Beginning of transmission file
Heading section				
UNH	3	M	1	Beginn of message
BGM	4	M	1	Document Number beverages
DTM	5	R	1	Creation date
DTM	6	R	1	Despatch date beverages
DTM	7	R	1	Delivery date
SG1		D	1	RFF-DTM
RFF	8	M	1	Order empties return
SG1		D	1	RFF-DTM
RFF	9	M	1	Suppliers reference number for empties return
SG1		R	1	RFF-DTM
RFF	10	M	1	Delivery note beverages
SG2		R	1	NAD-LOC-SG3-SG4
NAD	11	M	1	Identification of buyer/invoicee
SG2		O	1	NAD-LOC-SG3-SG4
NAD	12	M	1	Identification of invoicee
SG2		O	1	NAD-LOC-SG3-SG4
NAD	13	M	1	Pick up place identification
SG2		R	1	NAD-LOC-SG3-SG4
NAD	14	M	1	Delivery party identification
SG2		R	1	NAD-LOC-SG3-SG4
NAD	15	M	1	Supplier identification
Detail section consignment				
SG10		R	9999	CPS-FTX-SG11-SG17
CPS	16	M	1	Sequence of packages within the consignment
SG11		O	1	PAC-MEA-QTY-SG12-SG13
PAC	17	M	1	Number of packages
MEA	18	O	1	Gross weight of the consignment
MEA	19	O	1	Total volume of the consignment
Detail section despatch units / articles				
SG10		O	9999	CPS-FTX-SG11-SG17
CPS	20	M	1	Hierarchy level
SG11		O	9999	PAC-MEA-QTY-SG12-SG13
PAC	21	M	1	Number of packages
MEA	22	O	1	Gross weight of a package
MEA	23	O	1	Volume of a package
MEA	24	O	1	Height of a package
MEA	25	O	1	Gross weight of the consignment
SG13		O	1000	PCI-RFF-DTM-SG15
PCI	26	M	1	Marking with SSCC
SG15		O	99	GIN
GIN	27	M	1	Serial Shipping Container Code (SSCC)
SG13		O	1000	PCI-RFF-DTM-SG15
PCI	28	M	1	Label information

Max. Occ. = Maximum occurrence of the segment/group, Status: M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent

Message Structure

Seg.	No.	Status	Max Occ	Segment
SG17		O	9999	LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25
LIN	29	M	1	GTIN Article identification
PIA	30	D	1	Type number empties
IMD	31	O	1	Display
QTY	32	O	1	Delivered quantity
QTY	33	O	1	No empties
SG22		O	9999	PCI-DTM-MEA-QTY-SG23-SG24
PCI	34	M	1	Marking on package
DTM	35	O	1	Best before date
DTM	36	O	1	Expiry date
Summary section				
CNT	37	O	5	Control value
UNT	38	M	1	End of message
UNZ	39	M	1	End of the transmission file

Max. Occ. = Maximum occurrence of the segment/group, Status: M=Mandatory, C=Conditional, R=Required, O=Optional, A=Advised, D=Dependent

Segment Layout

No.	Seg	St	Max. Occ.	
1	**UNA**	R	1	Service string advice

To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows.

Business Term	DE	EDIFACT	Format	St	*	Description
Component data element separator	UNA1	Component data element separator	an1	M		Default value: ":"
Data element separator	UNA2	Data element separator	an1	M		Default value: "+"
Decimal notation	UNA3	Decimal notation	an1	M		Default value: "."
Release character	UNA4	Release indicator	an1	M		Default value: "?"
Reserved for future use	UNA5	Reserved for future use	an1	M		(Default value: space)
Segment terminator	UNA6	Segment terminator	an1	M		Default value: " ' "

Segmentstatus: Mandatory

The use of the UNA segment is mandatory, if character set "A" (UNB,DE0001) is not used.

For international EDI the use of character set UNOA is recommended. For national (German) EDI the use of UNOC is reasonable because it contains lower case letters and umlauts.

Example: `UNA:+.? '`
The UNA segment contains the default service string characters.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No.	Seg	St	Max. Occ.				
2	**UNB**	M	1	Interchange header To start, identify and specify an interchange.			
Business Term	**DE**	**EDIFACT**	**Format**	**St**	*****	**Description**	
	S001	Syntax identifier		M			
Character set	0001	Syntax identifier	a4	M	*	UNOA UN/ECE level A UNOB UN/ECE level B UNOC UN/ECE level C UNOD UN/ECE level D UNOE UN/ECE level E UNOF UN/ECE level F	
Syntax version	0002	Syntax version number	n1	M	*	3 Version 3	
	S002	Interchange sender		M			
Indentification of the sender of the transmission file	0004	Sender identification	an..35	M		= Global Location Number (GLN)	
	0007	Partner identification code qualifier	an..4	R	*	14 GS1	
Address for reverse routing	0008	Address for reverse routing	an..14	O		See note	
	S003	Interchange recipient		M			
Indentification of the receiver of the transmission file	0010	Recipient identification	an..35	M		= Global Location Number (GLN)	
	0007	Partner identification code qualifier	an..4	R	*	14 GS1	
Routing address	0014	Routing address	an..14	O		See note	
	S004	Date/time of preparation		M			
File creation date	0017	Date of preparation	n6	M		= Dateformat JJMMTT	
File creation time	0019	Time of preparation	n4	M		= Timeformat HHMM	
Interchange control reference, beginnig	0020	Interchange control reference	an..14	M		= Unique senders reference	
	S005	Recipient's reference, password		O			
Password interchange	0022	Recipient's reference/ password	an..14	M			
	0025	Recipient's reference/ password qualifier	an2	O	*	AA Reference BB Password	
Application reference	0026	Application reference	an..14	O		Message type if the transmission fole contains only one message type	
	0029	Processing priority code	a1	O	*	A Highest priority	
Acknowledgement request	0031	Acknowledgement request	n1	O			
EANCOM	0032	Communications agreement ID	an..35	R		= EANCOM... EDIFACT subset identification (see note)	
Test indicator	0035	Test indicator	n1	O	*	1 Interchange is a	

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Business Term	DE	EDIFACT	Format	St	*	Description
						test

Segmentstatus: Mandatory

This segment is used to envelope the interchange, as well as to identify both, the party to whom the interchange is sent and the party who has sent the interchange.

For international EDI the use of character set UNOA is recommended. For national (German) EDI the use of UNOC is reasonable because it contains lower case letters and umlauts.

Note DE 0008:
The address for reverse routing is provided by the interchange sender to inform the interchange recipient of the address within the sender's (source) system to which responding interchanges must be sent. It is recommended that the GLN be used for this purpose.

Note DE 0014:
The routing adress is used to identify the receiver, if a provider adds service values for the actual receiver (e.g. consolidated companies, corporate group). The use of the identification system (e.g. GLN) has to be agreed bilaterally.

Note DE 0020:
This data element must contain a consistent sequential number per interchange between sender and receiver of the transmission.

Note DE 0032: This data element is used to identify any underlying agreements which control the exchange of data. Within EANCOM , the identity of such agreements must start with the letters 'EANCOM', the remaining characters within the data element being filled according to bilateral agreements.

Example: `UNB+UNOC:3+4012345000009:14:4012345000018+4000004000002:14:4000004000099+181013:1043+4711+REF:AA++++EANCOM+1'`
The EANCOM file 4711 dated 13.10.2018, 10 h 43 is sent by the issuer identified with GLN 4012345000009 to the receiver identified with GLN 4000004000002.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section
Heading section

No. Seg	St	Max. Occ.	
3	**UNH**	M 1	Message header

To head, identify and specify a message.

Business Term	DE	EDIFACT	Format	St	*	Description
Message reference number	0062	Message reference number	an..14	M		Sender's unique message reference. Sequence number of messages in the interchange. DE 0062 in UNT will have the same value. Generated by the sender.
	S009	Message identifier		M		
	0065	Message type	an..6	M	*	DESADV Despatch advice message
	0052	Message version number	an..3	M	*	D Draft version/ UN/EDIFACT Directory
	0054	Message release number	an..3	M	*	01B Release 2001 - B
	0051	Controlling agency	an..2	M	*	UN UN/CEFACT
	0057	Association assigned code	an..6	R	*	EAN008 GS1 version control number (GS1 Permanent Code)

Segmentstatus: Mandatory

This segment is used to head, identify and specify a message.

Example: `UNH+ME000001+DESADV:D:01B:UN:EAN008'`
The reference number of the DESADV message is ME000001.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

No.	Seg	St	Max. Occ.				
4	**BGM**	M	1	Beginning of message			
To indicate the type and function of a message and to transmit the identifying number.							
Business Term	DE	EDIFACT	Format	St	*	Description	
	C002	Document/message name		R			
	1001	Document name code	an..3	R	*	351 Despatch advice 345 Ready for despatch advice 729 Returns advice (Old code value: 35E)	
	1131	Code list identification code	an..17	N			
	3055	Code list responsible agency code	an..3	N	*	9 GS1	
Document qualification	1000	Document name	an..35	O			
	C106	Document/message identification		R			
Document Number	1004	Document identifier	an..35	R		Document number assigned by sender	
	1225	Message function code	an..3	R	*	9 Original	

Segmentstatus: Mandatory

This segment is used to indicate the type and function of a message and to transmit the identifying number.

Note to DE 1000:
This data element can have one of the following contents by bilaterally agreement:

DESADVDRINK-KLL
DESADV from buyer to supplier -only pick up of empties-

DESADVDRINK-LK
DESADV from supplier to buyer -delivery of goods and pick up of empties if applicable-

Note to DE 1001:
Code value 345 "Ready for despatch advice" is used by a retailler if a previous sent ORDERS announced a detailled advice of empties to the supplier.

Example: `BGM+351:::DESADVDRINK-LK+87441+9'`
The document number is 87441.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

No. Seg	St	Max. Occ.
5 **DTM**	R	1

Date/time/period

To specify date, and/or time, or period.

Business Term	DE	EDIFACT	Format	St	*	Description
	C507	Date/time/period		M		
	2005	Date or time or period function code qualifier	an..3	M	*	137 Document/ message date/ time
Creation date	2380	Date or time or period value	an..35	R		
	2379	Date or time or period format code	an..3	R		102 CCYYMMDD 203 CCYYMMDDHHMM

Segmentstatus: Mandatory

Identification of the 'Document/message date/time' (code value 137) is mandatory in the invoice message.

Example: `DTM+137:20181020:102'`
The message was created on the 20th of October 2018.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

No. Seg	St	Max. Occ.
6 **DTM**	R	1

Date/time/period

To specify date, and/or time, or period.

Business Term	DE	EDIFACT	Format	St	*	Description
	C507	Date/time/period		M		
	2005	Date or time or period function code qualifier	an..3	M	*	11 Despatch date and/or time
Despatch date	2380	Date or time or period value	an..35	R		
	2379	Date or time or period format code	an..3	R		102 CCYYMMDD 203 CCYYMMDDHHMM

Segmentstatus: Mandatory

Date on which good have been/will be despached

Example: `DTM+11:20181028:102'`

The despatch date is the 28th of October 2018.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

No. Seg	St	Max. Occ.
7 **DTM**	R	1

Date/time/period

To specify date, and/or time, or period.

Business Term	DE	EDIFACT	Format	St	*	Description
	C507	Date/time/period		M		
	2005	Date or time or period function code qualifier	an..3	M	*	17 Delivery date/ time, estimated
Delivery date	2380	Date or time or period value	an..35	R		
	2379	Date or time or period format code	an..3	R		102 CCYYMMDD 203 CCYYMMDDHHMM

Segmentstatus: Mandatory

Date on which goods have been/will be delivered.

This delivery date relates to the first delivery place.

Example: `DTM+17:20181028:102'`
The estimated delivery date is the 28th of October 2018.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

No.	Seg	St	Max. Occ.	
8	**SG1**	D	1	RFF-DTM
	RFF	M	1	Reference
	To specify a reference.			

Business Term	DE	EDIFACT	Format	St	*	Description
	C506	Reference		M		
	1153	Reference code qualifier	an..3	M	*	ON Order number (buyer)
Order empties return	1154	Reference identifier	an..70	R		

Segmentstatus: Mandatory if the despatch advise refers to a buyers order for empties return.

This segment can contain a reference to buyers order number

Note: SG1 may be repeated max. 10 times.

Example: `RFF+ON:4711'`
The message references to buyers order number 4711.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

No.	Seg	St	Max. Occ.	
	SG1	D	1	RFF-DTM
9	**RFF**	M	1	Reference
	To specify a reference.			

Business Term	DE	EDIFACT	Format	St	*	Description
	C506	Reference		M		
	1153	Reference code qualifier	an..3	M	*	SRN Shipment reference number
Suppliers reference number for empties return	1154	Reference identifier	an..70	R		

Segmentstatus: Mandatory if the receiver (industry) issued the return of empties.

This segment is used to provide the (internal) reference number of the supplier.

Note: SG1 may be repeated max. 10 times.

Example: `RFF+SRN:4712'`
The message references to suppliers document number 4712.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

No.	Seg	St	Max. Occ.	
	SG1	R	1	RFF-DTM
10	**RFF**	M	1	Reference
	To specify a reference.			

Business Term	DE	EDIFACT	Format	St	*	Description
	C506	Reference		M		
	1153	Reference code qualifier	an..3	M	*	DQ Delivery note number
Delivery note	1154	Reference identifier	an..70	R		

Segmentstatus: Mandatory

This segment is used to reference the delivery note number.

Note: SG1 may be repeated max. 10 times.

Example: `RFF+DQ:4714'`
The message references to delivery note number 4714.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

No.	Seg	St	Max. Occ.	
	SG2	R	1	NAD-LOC-SG3-SG4
11	**NAD**	M	1	Name and address

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

Business Term	DE	EDIFACT	Format	St	*	Description
	3035	Party function code qualifier	an..3	M	*	BY Buyer
	C082	Party identification details		R		
Identification of buyer/ invoicee	3039	Party identifier	an..35	M		Global Location Number (GLN)- Format n13
	1131	Code list identification code	an..17	N		
	3055	Code list responsible agency code	an..3	R	*	9 GS1

Segmentstatus: Mandatory

The buyer/invoicee is identified by GLN.

Example: `NAD+BY+4071615111110::9'`
The buyer/invoicee is identified by GLN 4071615111110.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

No.	Seg	St	Max. Occ.	
	SG2	O	1	NAD-LOC-SG3-SG4
12	**NAD**	M	1	Name and address

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

Business Term	DE	EDIFACT	Format	St	*	Description
	3035	Party function code qualifier	an..3	M	*	IV Invoicee
	C082	Party identification details		R		
Identification of invoicee	3039	Party identifier	an..35	M		Global Location Number (GLN)- Format n13
	1131	Code list identification code	an..17	N		
	3055	Code list responsible agency code	an..3	R	*	9 GS1

Segmentstatus: Optional

The invoicee is identified by GLN if not identical with buyer.

Example: `NAD+IV+4071615111235::9'`
Invoicee is identified by GLN 4071615111235.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

No.	Seg	St	Max. Occ.	
	SG2	O	1	NAD-LOC-SG3-SG4
13	**NAD**	M	1	Name and address

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

Business Term	DE	EDIFACT	Format	St	*	Description
	3035	Party function code qualifier	an..3	M	*	PW Despatch party
	C082	Party identification details		R		
Pick up place identification	3039	Party identifier	an..35	M		Global Location Number (GLN) - Format n13
	1131	Code list identification code	an..17	N		
	3055	Code list responsible agency code	an..3	R	*	9 GS1

Segmentstatus: Optional

The existence of this segment indicates the pick up of goods by a third party.

The collection place is identified by Global Location Number (GLN).

Example: `NAD+PW+4071615111250::9'`
The collection place is identified by GLN 4071615111250.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

No.	Seg	St	Max. Occ.	
	SG2	R	1	NAD-LOC-SG3-SG4
14	**NAD**	M	1	Name and address

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

Business Term	DE	EDIFACT	Format	St	*	Description
	3035	Party function code qualifier	an..3	M	*	DP Delivery party
	C082	Party identification details		A		
Delivery party identification	3039	Party identifier	an..35	M		Global Location Number (GLN) - Format n13
	1131	Code list identification code	an..17	N		
	3055	Code list responsible agency code	an..3	R	*	9 GS1
	C058	Name and address		N		
	3124	Name and address description	an..35			
	C080	Party name		D		
Name 1 of the receiver	3036	Party name	an..35	M		
Name 2 of the receiver	3036	Party name	an..35	D		
Name 3 of the receiver	3036	Party name	an..35	D		
	C059	Street		D		
Street and number of receiver	3042	Street and number or post office box identifier	an..35	M		
Place of receiver - name of a city (town, village) for adressing purposes.	3164	City name	an..35	D		
	C819	Country sub-entity details		D		
	3229	Country sub-entity name code	an..9	O		Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies
Postcode of receiver	3251	Postal identification code	an..17	D		
Country of receiver, coded	3207	Country name code	an..3	D		

Segmentstatus: Mandatory

This NAD segment always identifies the first delivery place.

DE 3039: The delivery party is identified by GLN. Party name and adress in clear text may only be used, if a GLN is not (yet) available.

If the delivery party is not known (e.g. pick up by third party), the GLN of the buyer is indicated in DE 3039.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Heading section

Example: `NAD+DP+4089876511118::9++Warenempfänger-Name 1:Warenempfänger-Name 2:Warenempfänger-Name 3+Industriestr.13+Köln++50825+DE'`
The delivery party is identified by GLN 4089876511118.

Segment Layout

Heading section

No.	Seg	St	Max. Occ.	
	SG2	R	1	NAD-LOC-SG3-SG4
15	**NAD**	M	1	Name and address

To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.

Business Term	DE	EDIFACT	Format	St	*	Description
	3035	Party function code qualifier	an..3	M	*	SU Supplier
	C082	Party identification details		A		
Supplier identification	3039	Party identifier	an..35	M		Global Location Number (GLN) - Format n13
	1131	Code list identification code	an..17	N		
	3055	Code list responsible agency code	an..3	R	*	9 GS1
	C058	Name and address		O		This composite may only be used to fulfill the requirements of directive 2003/58/EG, article 4. If applicable the message sender gets the possibility to give the relevant statements at this place. If C058 ist not sufficient, more declaration can be given in following RFF+GN... segments.
	3124	Name and address description	an..35	M		
	3124	Name and address description	an..35	O		
	3124	Name and address description	an..35	O		
	3124	Name and address description	an..35	O		
	3124	Name and address description	an..35	O		

Segmentstatus: Mandatory

The supplier is identified by GLN.

Example: `NAD+SU+4389876511113::9+X:X:X:X:X'`
The supplier is identified by GLN 4389876511113.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section consignment

No.	Seg	St	Max. Occ.	
	SG10	R	9999	CPS-FTX-SG11-SG17
16	**CPS**	M	1	Consignment packing sequence
	To identify the sequence in which physical packing is presented in the consignment, and optionally to identify the hierarchical relationship between packing layers.			

Business Term	DE	EDIFACT	Format	St	*	Description
Sequence of packages within the consignment	7164	Hierarchical structure level identifier	an..35	M		Sequential numbering is recommended

Segmentstatus: Mandatory

The CPS segment starts the detail section of the message. The segments following the first occureence of CPS (CPS+1) and previous to the following CPS (CPS+2+1) can provide physical dimensions for the entire consignment.

This segment is used to identify the sequence in which packing of the consignment occurs, i.e. DE 7164 is increased by 1.

Note for the first occurence of SG 10:
Due to a unique message structure the first SG 10 (CPS+1) is always only used to indicate the number of packages of a consignment and its total weight and volume, even if the consignment consists of only one package.

Example: `CPS+1'`
Sequence number one.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section consignment

No.	Seg	St	Max. Occ.	
	SG10	R	9999	CPS-FTX-SG11-SG17
	SG11	O	1	PAC-MEA-QTY-SG12-SG13
17	**PAC**	M	1	Package

To describe the number and type of packages/physical units.

Business Term	DE	EDIFACT	Format	St	*	Description
Number of packages (Consignment)	7224	Package quantity	n..8	O		
	C531	Packaging details		A		
	7075	Packaging level code	an..3	N		
	7233	Packaging related description code	an..3	O		50 Package barcoded EAN-13 or EAN-8 52 Package barcoded UCC or EAN-128 78 Package bar-coded and EPC tagged (former 55E) 79 Package EPC tagged only (former 56E)
	7073	Packaging terms and conditions code	an..3	O		
	C202	Package type		O		
	7065	Package type description code	an..17	A		201 Pallet ISO 1 - 1/1 EURO Pallet (GS1 Temporary Code) The use of any code value of this codes list is allowed.
	1131	Code list identification code	an..17	O		
	3055	Code list responsible agency code	an..3	D	*	9 GS1 Code value 9 is only used if DE 7065 contains a GS1 code.

Segmentstatus: Optional

This segment can be used to indicate the total number of packages per package type within the consignment.

Example: `PAC+10+:52+201::9'`
10 Pallets ISO 1 - 1/1 EURO Pallet

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section consignment

No.	Seg	St	Max. Occ.	
	SG10	R	9999	CPS-FTX-SG11-SG17
	SG11	O	1	PAC-MEA-QTY-SG12-SG13
18	**MEA**	O	1	Measurements

To specify physical measurements, including dimension tolerances, weights and counts.

Business Term	DE	EDIFACT	Format	St	*	Description
	6311	Measurement purpose code qualifier	an..3	M	*	PD Physical dimensions (product ordered)
	C502	Measurement details		A		
Gross weight of the consignment	6313	Measured attribute code	an..3	A	*	AAD Total gross weight
	6321	Measurement significance code	an..3	N		
	6155	Non-discrete measurement name code	an..17	N		
	6154	Non-discrete measurement name	an..70	N		
	C174	Value/range		R		
	6411	Measurement unit code	an..3	M		KGM kilogram TNE tonne (metric ton) All code values from EANCOM code list 6411 and UN/ECE Recommendation 20 code list available.
	6314	Measurement value	an..18	O		

Segmentstatus: Optional

This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment. After the first occurence of the CPS segment the total gross weight of the consignment is provided.

Example: `MEA+PD+AAD+KGM:10'`
The gross weight is 10 kg.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section consignment

No.	Seg	St	Max. Occ.	
	SG10	R	9999	CPS-FTX-SG11-SG17
	SG11	O	1	PAC-MEA-QTY-SG12-SG13
19	**MEA**	O	1	Measurements

To specify physical measurements, including dimension tolerances, weights and counts.

Business Term	DE	EDIFACT	Format	St	*	Description
	6311	Measurement purpose code qualifier	an..3	M	*	PD Physical dimensions (product ordered)
	C502	Measurement details		A		
Total volume of the consignment	6313	Measured attribute code	an..3	A	*	AAW Gross volume
	6321	Measurement significance code	an..3	N		
	6155	Non-discrete measurement name code	an..17	N		
	6154	Non-discrete measurement name	an..70	N		
	C174	Value/range		R		
	6411	Measurement unit code	an..3	M		MTQ cubic metre LTR litre All code values from EANCOM code list 6411 and UN/ECE Recommendation 20 code list available.
	6314	Measurement value	an..18	O		

Segmentstatus: Optional

This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment.

Example: `MEA+PD+AAW+MTQ:15'`
The gross volume is 1 cubic metre.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section despatch units / articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
20	**CPS**	M	1	Consignment packing sequence

To identify the sequence in which physical packing is presented in the consignment, and optionally to identify the hierarchical relationship between packing layers.

Business Term	DE	EDIFACT	Format	St	*	Description
Sequence of the packages (despatch units / articles)	7164	Hierarchical structure level identifier	an..35	M		Sequential numbering is recommended
Hierarchy level (despatch units / articles)	7166	Hierarchical structure parent identifier	an..35	A		

Segmentstatus: Optional

The line level details package and SSCC information that have not master data character.

This segment is used to provide the sequence of packages within the consignment, i.e. for each package astarts a new line level by use of the CPS segment and DE 7164 is increased by 1.

If for example the previous CPS segment (CPS+2+1) has been a pallet, it is possible to indicate the different layers in case of a sandwich pallet. By use of a sandwich pallet the lowest pallet is the first layer (CPS+3+2),the second layer is CPS+4+2, the third is CPS+5+2 etc. If the articles shall be described, SG10 is followed by SG17.

Example: `CPS+3+2'`
Sequence number three.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section despatch units / articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG11	O	9999	PAC-MEA-QTY-SG12-SG13
21	**PAC**	M	1	Package

To describe the number and type of packages/physical units.

Business Term	DE	EDIFACT	Format	St	*	Description
Number of packages (despatch units / articles)	7224	Package quantity	n..8	O		
	C531	Packaging details		A		
	7075	Packaging level code	an..3	N		
	7233	Packaging related description code	an..3	O		50 Package barcoded EAN-13 or EAN-8 52 Package barcoded UCC or EAN-128 78 Package bar-coded and EPC tagged (Old code value: 55E) 79 Package EPC tagged only (Old code value: 56E)
	7073	Packaging terms and conditions code	an..3	O		Exchange pallet: 27 Package exchangeable at the point of delivery Rented pallet: 24 Rented (Old code value: 4E) One way pallet: XX4 No Exchange / No Return Pallet (GS1 Temporary Code)
	C202	Package type		O		
	7065	Package type description code	an..17	A		201 Pallet ISO 1 - 1/1 EURO Pallet (GS1 Temporary Code) The use of any code value of this codes list is allowed.
	1131	Code list identification code	an..17	O		
	3055	Code list responsible agency code	an..3	D	*	9 GS1 Code value 9 is only used if DE 7065 contains a GS1 code.

Segmentstatus: Optional

This segment can be used to indicate the total number of packages of the consignment within the hierarchy level defined in the CPS segment. The content of each package is described in the

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section despatch units / articles

following LIN segments.

Example: `PAC+1+:52:27+201::9'`
This consignment line contains 1 EURO pallet.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section despatch units / articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG11	O	9999	PAC-MEA-QTY-SG12-SG13
22	**MEA**	O	1	Measurements

To specify physical measurements, including dimension tolerances, weights and counts.

Business Term	DE	EDIFACT	Format	St	*	Description
	6311	Measurement purpose code qualifier	an..3	M	*	PD Physical dimensions (product ordered)
	C502	Measurement details		A		
Gross weight of a package (despatch units / articles)	6313	Measured attribute code	an..3	A	*	AAB Unit gross weight
	6321	Measurement significance code	an..3	N		
	6155	Non-discrete measurement name code	an..17	N		
	6154	Non-discrete measurement name	an..70	N		
	C174	Value/range		R		
	6411	Measurement unit code	an..3	M		KGM kilogram TNE tonne (metric ton) All code values from EANCOM code list 6411 and UN/ECE Recommendation 20 code list available.
	6314	Measurement value	an..18	O		

Segmentstatus: Optional

This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment.

Example: `MEA+PD+AAB+KGM:5'`
The gross weight is 5 kg.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section despatch units / articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG11	O	9999	PAC-MEA-QTY-SG12-SG13
23	**MEA**	O	1	Measurements

To specify physical measurements, including dimension tolerances, weights and counts.

Business Term	DE	EDIFACT	Format	St	*	Description
	6311	Measurement purpose code qualifier	an..3	M	*	PD Physical dimensions (product ordered)
	C502	Measurement details		A		
Volume of package	6313	Measured attribute code	an..3	A		AAW Gross volume
	6321	Measurement significance code	an..3	N		
	6155	Non-discrete measurement name code	an..17	N		
	6154	Non-discrete measurement name	an..70	N		
	C174	Value/range		R		
	6411	Measurement unit code	an..3	M		MTQ cubic metre LTR litre All code values from EANCOM code list 6411 and UN/ECE Recommendation 20 code list available.
	6314	Measurement value	an..18	O		

Segmentstatus: Optional

This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment.

Example: `MEA+PD+AAW+LTR:1'`
The gross volume is one cubic metre.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section despatch units / articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG11	O	9999	PAC-MEA-QTY-SG12-SG13
24	**MEA**	O	1	Measurements

To specify physical measurements, including dimension tolerances, weights and counts.

Business Term	DE	EDIFACT	Format	St	*	Description
	6311	Measurement purpose code qualifier	an..3	M	*	PD Physical dimensions (product ordered)
	C502	Measurement details		A		
Height of package (despatch units / articles)	6313	Measured attribute code	an..3	A		HT Height dimension WD Width dimension LN Length dimension AEB Stacking height
	6321	Measurement significance code	an..3	N		
	6155	Non-discrete measurement name code	an..17	N		
	6154	Non-discrete measurement name	an..70	N		
	C174	Value/range		R		
	6411	Measurement unit code	an..3	M		MMT millimetre MTR metre All code values from EANCOM code list 6411 and UN/ECE Recommendation 20 code list available.
	6314	Measurement value	an..18	O		

Segmentstatus: Optional

This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment. The value of height is inclusive the height of consignment, e.g. pallet.

Example: `MEA+PD+HT+MMT:1050'`
The total height is 1050 mm

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section despatch units / articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG11	O	9999	PAC-MEA-QTY-SG12-SG13
25	**MEA**	O	1	Measurements

To specify physical measurements, including dimension tolerances, weights and counts.

Business Term	DE	EDIFACT	Format	St	*	Description
	6311	Measurement purpose code qualifier	an..3	M	*	PD Physical dimensions (product ordered)
	C502	Measurement details		A		
Gross weight of the consignment	6313	Measured attribute code	an..3	A	*	AAD Total gross weight
	6321	Measurement significance code	an..3	N		
	6155	Non-discrete measurement name code	an..17	N		
	6154	Non-discrete measurement name	an..70	N		
	C174	Value/range		R		
	6411	Measurement unit code	an..3	M		KGM kilogram TNE tonne (metric ton) All code values from EANCOM code list 6411 and UN/ECE Recommendation 20 code list available.
	6314	Measurement value	an..18	O		

Segmentstatus: Optional

This segment is used to provide measurements or dimensions relevant to the packaging unit described in the PAC segment. After the first occurence of the CPS segment the total gross weight of the consignment is provided.

Example: `MEA+PD+AAD+KGM:10'`
The gross weight is 5 kg.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section despatch units / articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG11	O	9999	PAC-MEA-QTY-SG12-SG13
	SG13	O	1000	PCI-RFF-DTM-SG15
26	**PCI**	M	1	Package identification

To specify markings and labels on individual packages or physical units.

Business Term	DE	EDIFACT	Format	St	*	Description
Marking with SSCC (despatch units / articles)	4233	Marking instructions code	an..3	R	*	39 Marked with Serial Shipping Container Code (SSCC)

Segmentstatus: Optional

The PCI segment details markings with SSCC.

Example: `PCI+39'`
Package identification

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section despatch units / articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG11	O	9999	PAC-MEA-QTY-SG12-SG13
	SG13	O	1000	PCI-RFF-DTM-SG15
	SG15	O	99	GIN
27	**GIN**	M	1	Goods identity number

To give specific identification numbers, either as single numbers or ranges.

Business Term	DE	EDIFACT	Format	St	*	Description
	7405	Object identification code qualifier	an..3	M	*	AW Serial shipping container code (Old code value: BJ)
	C208	Identity number range		M		
Serial Shipping Container Code (SSCC at article)	7402	Object identifier	an..35	M		

Segmentstatus: Optional

This segment provides the SSCC to uniquely indentify individual packages.

Example: `GIN+AW+340123450000000014'`
The SSCC is 340123450000000014.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section despatch units / articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG11	O	9999	PAC-MEA-QTY-SG12-SG13
	SG13	O	1000	PCI-RFF-DTM-SG15
28	**PCI**	M	1	Package identification

To specify markings and labels on individual packages or physical units.

Business Term	DE	EDIFACT	Format	St	*	Description
	4233	Marking instructions code	an..3	A		16 Buyer's instructions
	C210	Marks & labels		D		
Label type, code	7102	Shipping marks description	an..35	M		
Label, description/content	7102	Shipping marks description	an..35	O		

Segmentstatus: Optional

This segment is used to indicate label information.
The use of DE 7102 must be bilaterally agreed.

Example: `PCI+16+Code:DESCR'`
Label information

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG17	O	9999	LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25
29	**LIN**	M	1	Line item

To identify a line item and configuration.

Business Term	DE	EDIFACT	Format	St	*	Description
Line item number	1082	Line item identifier	an..6	R		Application generated number of the item lines within the message
	1229	Action request/ notification description code	an..3	N		
	C212	Item number identification		D		
GTIN Article identification	7140	Item identifier	an..35	R		GTIN, Format n..14
	7143	Item type identification code	an..3	R	*	SRV GS1 Global Trade Item Number

Status of segment group: Optional
Segmentstatus: Mandatory

The LIN segment is used to identify the products contained in the consignment. The GTIN indicated here is the one from the ORDERS.

Example: `LIN+1++4056786542381:SRV'`
The despatched product is identified by GTIN 4056786542381.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG17	O	9999	LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25
30	**PIA**	D	1	Additional product id

To specify additional or substitutional item identification codes.

Business Term	DE	EDIFACT	Format	St	*	Description
	4347	Product identifier code qualifier	an..3	M	*	5 Product identification
	C212	Item number identification		M		
Type number	7140	Item identifier	an..35	R		
	7143	Item type identification code	an..3	R	*	MN Model number
	1131	Code list identification code	an..17	N		
	3055	Code list responsible agency code	an..3	R		246 GS1 Germany

Segmentstatus: Depending

This segment is only used, if LIN segment does not provide a GTIN and the identification of empties is made by type numbers. Then it must follow the LIN segment immeditaly. In this case LIN segment (mandatory) only provides the line item number.

Example: `PIA+5+40233301000079:MN::246'`
Only if LIN does not provide a GTIN: Identification of empties in PIA

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section articlesnit

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG17	O	9999	LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25
31	**IMD**	O	1	Item description

To describe an item in either an industry or free format.

Business Term	DE	EDIFACT	Format	St	*	Description
	7077	Description format code	an..3	R	*	C Code (from industry code list)
	C272	Item characteristic		N		
	7081	Item characteristic code	an..3	R		
	C273	Item description		R		
Display	7009	Item description code	an..17	R	*	SG Standard group of products (mixed assortment) (GS1 Permanent Code)
	1131	Code list identification code	an..17	N		
	3055	Code list responsible agency code	an..3	D	*	9 GS1 Must be used if DE 7009 contains a GS1 Code

Segmentstatus: Optional

This segment is used to provide a description for the current line item.

This segment is only used when the invoiced article is a display/mixed assortment. Then a specific sub-line must folloe (Description 2. detail section)

Example: `IMD+C++SG::9'`
Display, it is an assortment unit

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG17	O	9999	LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25
32	**QTY**	O	1	Quantity

To specify a pertinent quantity.

Business Term	DE	EDIFACT	Format	St	*	Description
	C186	Quantity details		M		
	6063	Quantity type code qualifier	an..3	M	*	12 Despatch quantity
Delivered quantity	6060	Quantity	an..35	M		Note: Use only numeric values.
	6411	Measurement unit code	an..3	D		KGM kilogram LTR litre All code values from EANCOM code list 6411 and UN/ECE Recommendation 20 code list available.

Segmentstatus: Optional

This segment is used to indicate quantity information for the delivered product identified in LIN. The measurement unit indicated here is the same as in the preceeding ORDERS. For products with variable quantities the number of pieces is indicated here if possible, the weight is indicated in the preceeding MEA segment.

DE 6411 is only used, if the article is a variable quantity article. Default value is piece.

Example: `QTY+12:5'`
The delivered quantity is 5 pieces.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG17	O	9999	LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25
33	**QTY**	O	1	Quantity

To specify a pertinent quantity.

Business Term	DE	EDIFACT	Format	St	*	Description
	C186	Quantity details		M		
	6063	Quantity type code qualifier	an..3	M	*	12 Despatch quantity
No empties available	6060	Quantity	an..35	M		Note: Use only numeric values.

Segmentstatus: Optional

This QTY segment is used to indicate that no empties are available for pickup when goods are delivered.

This segment is only used in conjuction with GTIN 4012345002003. DE 6060 must have value zero.

Example: `QTY+12:0'`
No empties are available for pickup when goods are delivered next time.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG17	O	9999	LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25
	SG22	O	9999	PCI-DTM-MEA-QTY-SG23-SG24
34	**PCI**	M	1	Package identification

To specify markings and labels on individual packages or physical units.

Business Term	DE	EDIFACT	Format	St	*	Description
Marking on package	4233	Marking instructions code	an..3	R		17 Supplier's instructions To be used in conjunction with DE 7102. 34E Marked with GS1 number (GS1 Temporary Code) To be used in conjunction with the following GIN segment. 41 Marked with batch number (Old code value: 36E) To be used in conjunction with the following GIN segment. 43 Marked with expiry date (Old code value: 38E) To be used in conjunction with the following DTM segment. 44 Marked with best before date (Old code value: 39E) To be used in conjunction with the following DTM segment.
	C210	Marks & labels		O		
	7102	Shipping marks description	an..35	M		
	7102	Shipping marks description	an..35	O		
	7102	Shipping marks description	an..35	O		
	7102	Shipping marks description	an..35	O		
	7102	Shipping marks description	an..35	O		
	7102	Shipping marks description	an..35	O		
	7102	Shipping marks description	an..35	O		

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section articles

Business Term	DE	EDIFACT	Format	St	*	Description
	7102	Shipping marks description	an..35	O		
	7102	Shipping marks description	an..35	O		
	7102	Shipping marks description	an..35	O		

Segmentstatus: Optional

This segment is used to provide markings and labels information relevant to the product identified in the LIN segment.

Example: `PCI+17+1:1:1:1:1:1:1:1:1:1'`
The package is marked with instructions.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG17	O	9999	LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25
	SG22	O	9999	PCI-DTM-MEA-QTY-SG23-SG24
35	**DTM**	O	1	Date/time/period

To specify date, and/or time, or period.

Business Term	DE	EDIFACT	Format	St	*	Description
	C507	Date/time/period		M		
	2005	Date or time or period function code qualifier	an..3	M	*	361 Best before date
Best before date	2380	Date or time or period value	an..35	R		
	2379	Date or time or period format code	an..3	R		102 CCYYMMDD

Segmentstatus: Optional

This segment can be used to provide the best before date.

Example: `DTM+361:20181231:102'`
Best before date is the 31th of December 2018.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Detail section articles

No.	Seg	St	Max. Occ.	
	SG10	O	9999	CPS-FTX-SG11-SG17
	SG17	O	9999	LIN-PIA-IMD-MEA-QTY-ALI-DLM-DTM-FTX-MOA-SG18-SG20-SG22-SG25
	SG22	O	9999	PCI-DTM-MEA-QTY-SG23-SG24
36	**DTM**	O	1	Date/time/period

To specify date, and/or time, or period.

Business Term	DE	EDIFACT	Format	St	*	Description
	C507	Date/time/period		M		
	2005	Date or time or period function code qualifier	an..3	M	*	36 Expiry date
Expiry date	2380	Date or time or period value	an..35	R		
	2379	Date or time or period format code	an..3	R		102 CCYYMMDD

Segmentstatus: Optional

This segment can be used to provide the expiry date.

Example: `DTM+36:20181231:102'`
Expiry date is the 31th of December 2018.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

Summary section
Summary section

No. Seg	St	Max. Occ.					
37 **CNT**	O	5	Control total				
To provide control total.							
Business Term	**DE**	**EDIFACT**	**Format**	**St**	*****	**Description**	
	C270	Control		M			
	6069	Control total type code qualifier	an..3	M	*	2 Number of line items in message 7 Total gross weight Note: When using code value '7= Total gross weight' in this data element the total specified in data element 6066 is arrived at by adding the values in data element 6314 of the MEA segment at LIN level when code value AAB is used in the same MEA segment.	
Control value	6066	Control total value	n..18	M			

Segmentstatus: Optional

This segment is used to provide message control information for checking on the message receiver's in-house system.

Example: `CNT+2:3'`
The message contains 3 line items.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

End of message

No. Seg	St	Max. Occ.	
38	**UNT**	M 1	Message trailer

To end and check the completeness of a message.

Business Term	DE	EDIFACT	Format	St	*	Description
Total number of segments in the message	0074	Number of segments in the message	n..6	M		
	0062	Message reference number	an..14	M		The message reference numbered detailed here should equal the one specified in the UNH segment.

Segmentstatus: Mandatory

This segment is a mandatory UN/EDIFACT segment. It must always be the last segment in the message.

Number of segments in the message.

Example: `UNT+171+ME000001'`
Number of segments in the message.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Segment Layout

No. Seg		St	Max. Occ.				
39	**UNZ**	M	1	Interchange trailer			
To end and check the completeness of an interchange.							
Business Term	**DE**	**EDIFACT**		**Format**	**St**	*	**Description**
End of the transmission file, Number of messages or message groups	0036	Interchange control count		n..6	M		Number of messages or message groups in the transmission file.
Interchange control reference, end	0020	Interchange control reference		an..14	M		Interchange control reference, identical with UNB DE 0020.

The UNZ segment is the last segment of the transmission file.

Note DE 0036:
If functional groups are not used, this is the number of messages within the interchange.

Example: `UNZ+1+4711'`
The transmission file contains 1 message.

Max. Occ. = Maximum Occurrence, St = Status, * = Restricted Codes
Status: M=Mandatory, R=Required, O=Optional, D=Dependent, A=Advised, N=Not used

Used Codes

7077	Description format code Code specifying the format of a description.
A	Free-form long description Long description of an item in free form.
B	Code and text Description of an item in coded and free form text.
C	Code (from industry code list) Description of an item in coded format. GS1 Description: Description of an item provided in coded format from an industry list.
D	Free-form price look up Price look-up description of a product for point of sale receipts.
E	Free-form short description Short description of an item in free form.
F	Free-form Description of an item in free form text. GS1 Description: Item related general free form text description, which is neither a short or long description of the item itself.
S	Structured (from industry code list) Description of an item in a structured format.

Example

```
UNA:+.? '
```
The UNA segment contains the default service string characters.

```
UNB+UNOC:3+4012345000009:14:4012345000018+4000004000002:14:4000004000099
+181013:1043+4711+REF:AA++++EANCOM+1'
```
The EANCOM file 4711 dated 13.10.2018, 10 h 43 is sent by the issuer identified with GLN 4012345000009 to the receiver identified with GLN 4000004000002.

```
UNH+ME000001+DESADV:D:01B:UN:EAN008'
```
The reference number of the DESADV message is ME000001.

```
BGM+351:::DESADVDRINK-LK+87441+9'
```
The document number is 87441.

```
DTM+137:20181020:102'
```
The message was created on the 20th of October 2018.

```
DTM+11:20181028:102'
```
The despatch date is the 28th of October 2018.

```
DTM+17:20181028:102'
```
The estimated delivery date is the 28th of October 2018.

```
RFF+ON:4711'
```
The message references to buyers order number 4711.

```
RFF+SRN:4712'
```
The message references to suppliers document number 4712.

```
RFF+DQ:4714'
```
The message references to delivery note number 4714.

```
NAD+BY+4071615111110::9'
```
The buyer/invoicee is identified by GLN 4071615111110.

```
NAD+IV+4071615111235::9'
```
Invoicee is identified by GLN 4071615111235.

```
NAD+PW+4071615111250::9'
```
The collection place is identified by GLN 4071615111250.

```
NAD+DP+4089876511118::9++Warenempfänger-Name 1:Warenempfänger-Name 2:War
enempfänger-Name 3+Industriestr.13+Köln++50825+DE'
```
The delivery party is identified by GLN 4089876511118.

```
NAD+SU+4389876511113::9+X:X:X:X:X'
```
The supplier is identified by GLN 4389876511113.

```
CPS+1'
```
Sequence number one.

```
PAC+10+:52+201::9'
```
10 Pallets ISO 1 - 1/1 EURO Pallet

```
MEA+PD+AAD+KGM:10'
```
The gross weight is 10 kg.

```
MEA+PD+AAW+MTQ:15'
```
The gross volume is 1 cubic metre.

```
CPS+3+2'
```
Sequence number three.

Example

PAC+1+:52:27+201::9'
This consignment line contains 1 EURO pallet.

MEA+PD+AAB+KGM:5'
The gross weight is 5 kg.

MEA+PD+AAW+LTR:1'
The gross volume is one cubic metre.

MEA+PD+HT+MMT:1050'
The total height is 1050 mm

MEA+PD+AAD+KGM:10'
The gross weight is 5 kg.

PCI+39'
Package identification

GIN+AW+340123450000000014'
The SSCC is 340123450000000014.

PCI+16+Code:DESCR'
Label information

LIN+1++4056786542381:SRV'
The despatched product is identified by GTIN 4056786542381.

PIA+5+40233301000079:MN::246'
Only if LIN does not provide a GTIN: Identification of empties in PIA

IMD+C++SG::9'
Display, it is an assortment unit

QTY+12:5'
The delivered quantity is 5 pieces.

QTY+12:0'
No empties are available for pickup when goods are delivered next time.

PCI+17+1:1:1:1:1:1:1:1:1:1'
The package is marked with instructions.

DTM+361:20181231:102'
Best before date is the 31th of December 2018.

DTM+36:20181231:102'
Expiry date is the 31th of December 2018.

CNT+2:3'
The message contains 3 line items.

UNT+171+ME000001'
Number of segments in the message.

UNZ+1+4711'
The transmission file contains 1 message.