



Message Definition

DESADV (with SSCC) – Despatch Advice

ECR-Austria

EANCOM 2002 (Syntax 3)

Version 2.2

Message Type:	DESADV
Message Version:	007 (EANCOM)
Responsible Agency:	GS1 Austria
Directory Name:	EDIFACT
Directory Version:	D.01.B

About this document

EDIFACT is a set of internationally agreed standards for the electronic interchange of data that was limited in form of EANCOM to those components which are really relevant for the consumer goods industry. The goal of the Austrian ECR-Initiative is, based on EANCOM to develop more precise standard profiles applicable in the Austrian consumer goods industry.

The practice in Austria today shows that normally two potential business partner which are intending to exchange data electronically come together with EANCOM specialists (GS1-Austria, Converter provider) and develop specific application profiles from the EANCOM standard which corresponds to their specific business needs. In order to save time and efforts it is necessary to try to reduce the complexity.

Standard application profiles should be seen as a recommendation from ECR-Austria-Initiative aiming to promote fast and area-wide implementation of EANCOM. They should unify the interpretation of all contained fields and cover „90 %“ of the business requirements. All requirements which are not a part of these standard application profiles have to be agreed bilateral between business partners.

All data fields marked as mandatory in the current documentation are considered as obligatory components in all EANCOM messages.

Within the second phase of the ECR-Austria-Initiative the message guidelines from the ECR-book defined in the first phase were adapted to the new business requirements and new standard application profiles were developed.

This document describes the data fields defined for this message type using EANCOM syntax. It deals only with these EANCOM-segments that are really relevant for the business purposes. **Therefore this document does not describe the whole set of EANCOM standards and does not replace the EANCOM manual.**

By this reason it is recommended by the implementation of this message to use beside this guideline also the EANCOM manual (available by GS1-Austria).

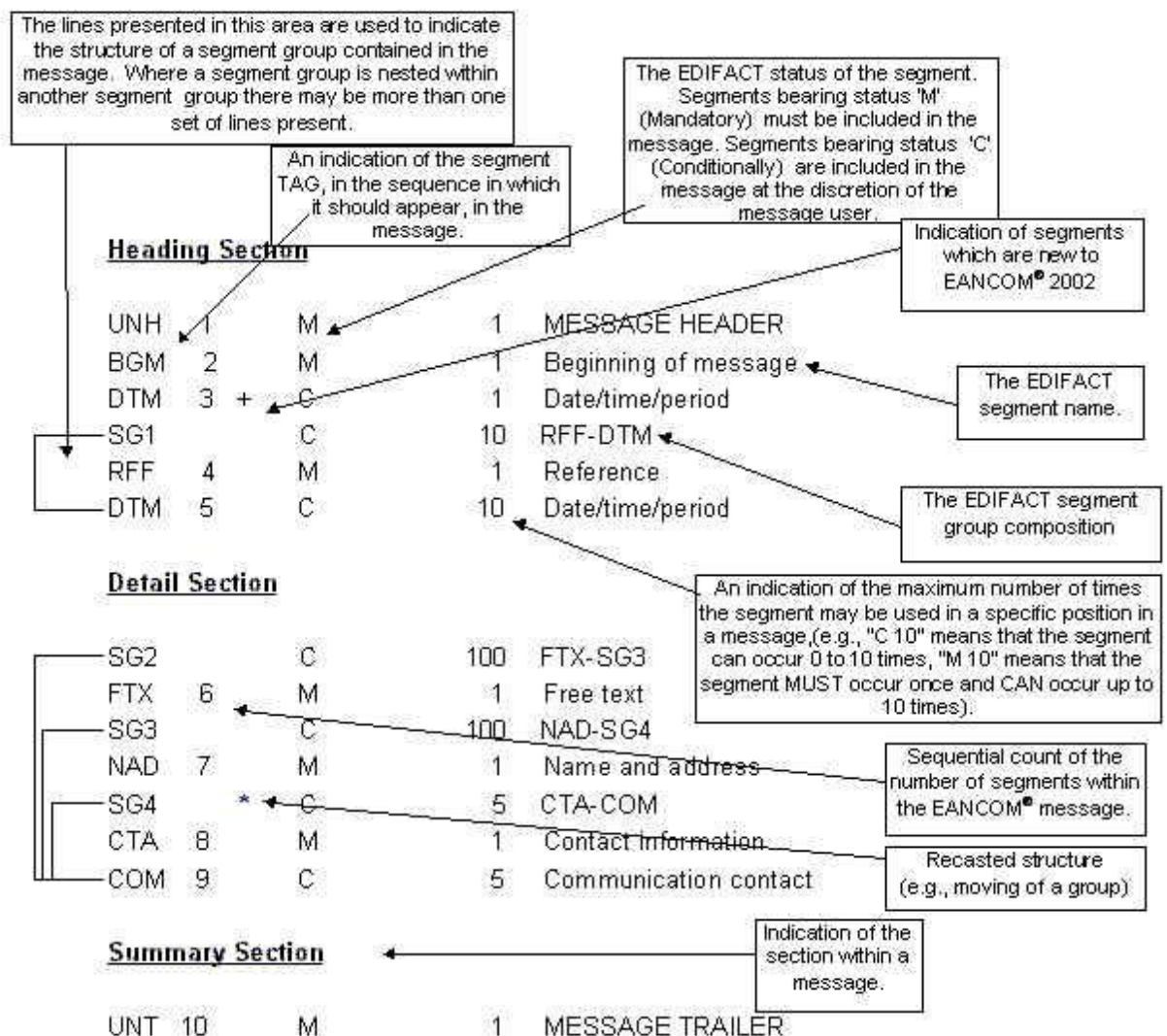
Document structure

1. Message structure
2. Business terms
3. Segment description

Message Structure Chart

Within every EANCOM® message a diagram is presented which explains the structure of the message.

The message structure chart is a sequential chart which presents the message in the sequence in which it must be formatted for transmission. Every message is structured and consists of three sections; a header, detail, and summary section. An example of a message structure chart follows:



Segments Layout

This section describes each segment used in the EANCOM Despatch advice message. The original EDIFACT segment layout is listed. The appropriate comments relevant to the EANCOM subset are indicated.

Notes:

1. The segments are presented in the sequence in which they appear in the message. The segment or segment group tag is followed by the (M)andatory / (C)onditional indicator, the maximum number of occurrences and the segment description.
2. Reading from left to right, in column one, the data element tags and descriptions are shown, followed by in the third column the EDIFACT status (M or C), the field format, and the picture of the data elements. These first pieces of information constitute the original EDIFACT segment layout.

Following the EDIFACT information, EANCOM specific information is provided in the fourth, fifth and sixth columns. In the fourth column a status indicator for the use of (C)onditional EDIFACT data elements (see 2.1 through 2.3 below), in the fifth column the restricted indicator (see point 3 on the following page), and in the sixth column notes and code values used for specific data elements in the message.

2.1 (M)andatory data elements in EDIFACT segments retain their status in EANCOM.

2.2 Additionally, there are five types of status for data elements with a (C)onditional EDIFACT status, whether for simple, component or composite data elements. These are listed below and can be identified when relevant by the following abbreviations:

- | | | | |
|---|-----------|----------|--|
| - | REQUIRED | R | Indicates that the entity is required and must be sent. |
| - | ADVISED | A | Indicates that the entity is advised or recommended. |
| - | DEPENDENT | D | Indicates that the entity must be sent in certain conditions, as defined by the relevant explanatory note. |
| - | OPTIONAL | O | Indicates that the entity is optional and may be sent at the discretion of the user. |
| - | NOT USED | N | Indicates that the entity is not used and should be omitted. |

2.3 If a composite is flagged as **N, NOT USED**, all data elements within that composite will have blank status indicators assigned to them.

3. Status indicators detailed in the fifth column which directly relate to the code values detailed in the first column may have two values:

- RESTRICTED * A data element marked with an asterix (*) in the fifth column is (are) the only codes available for use with this data element, in this segment, in this message.

- OPEN All data elements where coded representation of data is possible and a restricted set of code values is not indicated are open (no asterix in fourth column). The available codes are listed in the EANCOM Data Elements and Code Sets Directory. Code values may be given as examples or there may be a note on the format or type of code to be used.

BUSINESS TERMS

Business term	Description	Status	Format	Segment		Data element		
Message type		M	A/N 3		BGM	C002	1001	Document name code
Number of the DESADV/ Returns advice		M	A/N 16		BGM	C106	1004	Document identifier
Message date		M	D 8		DTM	C507	2380	Date or time or period value
Delivery date and time	Date and optional time	M	D 8/12		DTM	C507	2380	Date or time or period value
Delivery date/time, earliest		M	D 8		DTM	C507	2380	Date or time or period value
Delivery date/time, latest		M	D 8		DTM	C507	2380	Date or time or period value
Pick-up /collection date/ time		M	D8/12		DTM	C507	2380	Date or time or period value
Identification of split shipment		O	A/N 3		ALI		4183	Special condition code
Order number	Order number assigned by the buyer	M	A/N 16	SG1	RFF	C506	1154	Reference identifier
Order number (supplier)	Reference number assigned by supplier to a buyer's order	O	A/N 16	SG1	RFF	C506	1154	Reference identifier
Delivery note number		O	A/N 16	SG1	RFF	C506	1154	Reference identifier
Organic control number of the supplier		O	A/N 35	SG1	RFF	C506	1154	Reference identifier
Reference date		O	D 8	SG1	DTM	C507	2380	Date or time or period value
Buyer	GLN	M	N 13	SG2	NAD	C082	3039	Party identifier

BUSINESS TERMS

Business term	Description	Status	Format	Segment		Data element		
Supplier	GLN	M	N 13	SG2	NAD	C082	3039	Party identifier
Delivery party	GLN, only if different from buyer	O	N 13	SG2	NAD	C082	3039	Party identifier
Ultimate consignee	GLN, only if different from delivery party(Cross-Docking)	O	N 13	SG2	NAD	C082	3039	Party identifier
Ordered by	GLN, only if different from buyer	O	N 13	SG2	NAD	C082	3039	Party identifier
Invoicee	GLN, only if different from buyer	O	N 13	SG2	NAD	C082	3039	Party identifier
Transport mode		O	A/N 3	SG6	TDT	C220	8067	Transport mode name code
Means of transport		O	A/N 8	SG6	TDT	C228	8179	Transport means description code
Rail wagon number		O	A/N 16	SG6	TDT	C222	8212	Transport means identification na
Package quantity per consignment	Pallet,Container	O	N 15	SG11	PAC		7224	Package quantity
Package quantity per despatch unit		O	N 8	SG11	PAC		7224	Package quantity
Package type	EDIFACT-Codes	O	A/N 3	SG11	PAC	C202	7065	Package type description code
Consignment gross volume	in m3	O	N 15+3	SG11	MEA	C174	6314	Measurement value
Consignment total gross weight	in kg	O	N 15+3	SG11	MEA	C174	6314	Measurement value
Length of the despatch unit	in mm	O	N 15+3	SG11	MEA	C174	6314	Measurement value
Width of the despatch unit	in mm	O	N 15+3	SG11	MEA	C174	6314	Measurement value

BUSINESS TERMS

Business term	Description	Status	Format	Segment	Data element
Height of the despatch unit	in mm	O	N 15+3	SG11 MEA	C174 6314 Measurement value
Weight of the despatch unit	in kg	O	N 15+3	SG11 MEA	C174 6314 Measurement value
Handling instructions		O	A/N 3	SG12 HAN	C524 4079 Handling instruction description co
SSCC	Serial shipping container code	M	N 18	SG15 GIN	C208 7402 Object identifier
serialised Global Returnable Asset Identifier (GRAI)	with SSCC	O	A/N..30	SG15 GIN	C208 7402 Object identifier
non- serialised Global Returnable Asset Identifier (GRAI)	with SSCC	O	N..14	SG15 GIN	C208 7402 Object identifier
Article	EAN from order	M	N 14	SG17 LIN	C212 7140 Item identifier
Substitute item		O	A/N 35	SG17 PIA	C212 7140 Item identifier
Identification of standard group of products		O	A/N 3	SG17 IMD	C273 7009 Item description code
Place of provenance	of the primary ingredient of the product (EU 1169/2011)	O	A/N 2X	SG17 IMD	C273 7008 Item description
Invoiced quantity		O	N 7+3	SG17 MEA	C174 6314 Measurement value
Despatch quantity		M	N 7+3	SG17 QTY	C186 6060 Quantity
Free goods quantity		O	N 7+3	SG17 QTY	C186 6060 Quantity
Ordered quantity		O	N 7+3	SG17 QTY	C186 6060 Quantity

BUSINESS TERMS

Business term	Description	Status	Format	Segment	Data element		
Number of consumer units in the traded unit		O	N 7+3	SG17 QTY	C186	6060	Quantity
Number of units in higher packaging or configuration level (EAN Code)		O	N 7+3	SG17 QTY	C186	6060	Quantity
Return quantity		O	N 7+3	SG17 QTY	C186	6060	Quantity
Country of origin	EU 1169/2011	O	A/N 3	SG17 ALI		3239	Country of origin name code
Fish and seafood: Date of catch	EU 1169/2011	O	D 8/16	SG17 DTM	C507	2380	Date or time or period value
Fish and seafood: label information, coded	EU-LMIV	O	A/N20x	SG17 FTX	C108	4440	Free text value
Fish and seafood: catch method, coded	EU-LMIV	O	A/N10	SG17 FTX	C108	4440	Free text value
Fish and seafood: catch area (main/sub-catch area), coded	EU-LMIV	O	A/N10	SG17 FTX	C108	4440	Free text value
Fish and seafood: production method, coded	EU-LMIV	O	A/N10	SG17 FTX	C108	4440	Free text value
Line item amount		O	N 10+3	SG17 MOA	C516	5004	Monetary amount
EUDR reference number		O	A/N 35	SG18 RFF	C506	1154	Reference identifier

BUSINESS TERMS

Business term	Description	Status	Format	Segment	Data element
EUDR verification number		O	A/N 35	SG18 RFF	C506 1154 Reference identifier
Best before date		O	D 8	SG22 DTM	C507 2380 Date or time or period value
Expiry date		O	D 8	SG22 DTM	C507 2380 Date or time or period value
Packaging date		O	D 8	SG22 DTM	C507 2380 Date or time or period value
Batch number		O	A/N 35	SG23 GIN	C208 7402 Object identifier

UNH - M 1 - Message header				
Function : To head, identify and specify a message.				
Segment number : 1				
Data element group/Data element	EDIFACT	ANW	*	Description
0062 Message reference number	M an..14	M		Sender's unique message reference. Sequence number of the messages in the interchange. DE 0062 in the UNT will be exactly the same. Sender generated.
S009 Message identifier	M	M		
0065 Message type	M an..6	M	*	DESADV = Despatch advice message
0052 Message version number	M an..3	M	*	D = Draft version/UN/EDIFACT Directory
0054 Message release number	M an..3	M	*	01B = Release 2001 - B
0051 Controlling agency	M an..2	M	*	UN = UN/CEFACT
0057 Association assigned code	C an..6	R	*	EAN007 = EAN version control number (EAN Code)
0068 Common access reference	C an..35	N		
S010 Status of the transfer	C	N		
0070 Sequence of transfers	M n..2			
0073 First and last transfer	C a1			
<u>Segment notes</u>				
Example: UNH+ME000001+DESADV:D:01B:UN:EAN007'				

BGM - M		1 - Beginning of message			
Function :		To indicate the type and function of a message and to transmit the identifying number.			
Segment number : 2					
Data element group/Data element		EDIFACT	ANW	*	Description
C002	Document/message name	C	R		
1001	Document name code	C an..3	R	*	351 = Despatch advice 35E = Returns advice (GS1 Temporary Code)
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	N		
1000	Document name	C an..35	N		
C106	Document/message identification	C	R		
1004	Document identifier	C an..35	R		Despatch Advice/ Returns advice number assigned by the document sender.
1056	Version identifier	C an..9	N		
1060	Revision identifier	C an..6	N		
1225	Message function code	C an..3	R	*	9 = Original
4343	Response type code	C an..3	N		
<u>Segment notes</u> - Message type - Despatch advice (DE1001 = 351); Mandatory; A/N 3 - Despatch Advice number (DE1004); Mandatory; A/N 16 BGM+351+8090+9' - Number of Returns advice (GS1 Temporary Code) (DE1004); Mandatory; A/N 16 - Message type - Returns Advice (DE1001 = 35E); Mandatory; A/N 3 BGM+35E+8090+9' DE1004: This data element is used to transmit the number of the Despatch advice (DESADV). ECR-Austria recommends to use the same number for the Despatch Advice (DESADV) and the Delivery .note (on paper). If the number of the delivery note is different from the number of the DESADV the delivery note number should be communicated in the RFF-Segment (DE1153 = DQ). If the numbers are the same both DE 1004 and RFF - Segment should be filled out (with same number). this approach ensures compatibility with ECR-Germany.					

DTM - M 4- Date/time/period					
Function : To specify date, and/or time, or period.					
Segment number : 3					
Data element group/Data element		EDIFACT	ANW	*	Description
C507	Date/time/period	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	137 = Document/message date/time 17 = Delivery date/time, estimated 64 = Delivery date/time, earliest 63 = Delivery date/time, latest 200 = Pick-up/collection date/time of cargo
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R	*	102 = CCYYMMDD 203 = CCYYMMDDHHMM
<u>Segment notes</u> - Message date (DE2005 = 137); Mandatory; D 8 DTM+137:20060522:102' - Delivery date (DE2005 = 17); Mandatory (*); D 8 - D 12 optional the delivery time can be also provided (DE2379 = 203) DTM+17:200605251200:203' - Delivery date/time, earliest (DE2005 = 64); Mandatory (*); D 8 DTM+64:20060526:102' - Pick-up/ collection date/time (DE2005 = 200); Mandatory; D 8 - D 12 DTM+200:201805251200:203' - Delivery date/time, latest (DE2005 = 63); Mandatory (*); D 8 DTM+63:20060529:102' REMARK: (*) The following rules apply when using ‘Delivery date’: - only Qualifier 17 or - Qualifier 64 and 63 together or - only Qualifier 64 or - only Qualifier 63					

ALI - C 1 - Additional information				
Function : To indicate that special conditions due to the origin, customs preference, fiscal or commercial factors are applicable.				
Segment number : 4				
Data element group/Data element	EDIFACT	ANW	*	Description
3239 Country of origin name code	C an..3	N		165 = Split shipment
9213 Duty regime type code	C an..3	N		
4183 Special condition code	C an..3	M	*	
4183 Special condition code	C an..3	N		
4183 Special condition code	C an..3	N		
4183 Special condition code	C an..3	N		
4183 Special condition code	C an..3	N		
<u>Segment notes</u> - Identification of split shipment; Optional; A/N 3 ALI+++165'				

SG1 - M 4 - RFF-DTM				
RFF - M 1 - Reference				
Function : To specify a reference.				
Segment number : 5				
Data element group/Data element	EDIFACT	ANW	*	Description
C506 Reference	M	M		
1153 Reference code qualifier	M an..3	M	*	ON = Order number VN = Order number (supplier) DQ = Delivery note number XC1 = Product certification number (EAN Code)
1154 Reference identifier	C an..70	R		
1156 Document line identifier	C an..6	N		
4000 Reference version identifier	C an..35	N		
1060 Revision identifier	C an..6	N		
<u>Segment notes</u>				
- Order number (DE1153 = ON); Mandatory; A/N 16 RFF+ON:234'				
- Order number (supplier) (DE1153 = VN); Optional; A/N 16 RFF+VN:6576'				
- Delivery note number (DE1153 = DQ); Optional; A/N 16 (see notes BGM-Segment) RFF+DQ:987'				
- Organic control number of the supplier (DE1153 = XC1); Optional; A/N 35 RFF+XC1:AT-N-01-BIO'				

SG1 - M 4 - RFF-DTM				
DTM - C 1 - Date/time/period				
Function : To specify date, and/or time, or period.				
Segment number : 6				
Data element group/Data element	EDIFACT	ANW	*	Description
C507 Date/time/period	M	M		
2005 Date or time or period function code qualifier	M an..3	M	*	171 = Reference date/time
2380 Date or time or period value	C an..35	R		
2379 Date or time or period format code	C an..3	R	*	102 = CCYYMMDD
<u>Segment notes</u> - Reference date (DE2005 = 171); Optional; D 8 DTM+171:20060520:102'				

SG2 - M 6 - NAD					
NAD - M 1 - Name and address					
Function : To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.					
Segment number : 7					
Data element group/Data element		EDIFACT	ANW	*	Description
3035	Party function code qualifier	M an..3	M	*	BY = Buyer DP = Delivery party IV = Invoicee OB = Oredred by SU = Supplier UC = Ultimate consignee
C082	Party identification details	C	R		
3039	Party identifier	M an..35	M		GLN - Format n13
1131	Code list identification code	C an..17	N		
3055	Code list responsible agency code	C an..3	R	*	9 = EAN (International Article Numbering Association)
C058	Name and address	C	N		
3124	Name and address description	M an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
3124	Name and address description	C an..35			
C080	Party name	C	N		
3036	Party name	M an..35			
3036	Party name	C an..35			
3036	Party name	C an..35			
3036	Party name	C an..35			
3036	Party name	C an..35			
3045	Party name format code	C an..3			
C059	Street	C	N		
3042	Street and number or post office box identifier	M an..35			
3042	Street and number or post office box identifier	C an..35			
3042	Street and number or post office box identifier	C an..35			
3042	Street and number or post office box identifier	C an..35			
3164	City name	C an..35	N		
C819	Country sub-entity details	C	N		
3229	Country sub-entity name code	C an..9			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			

Data element group/Data element	EDIFACT	ANW	*	Description
3228 Country sub-entity name	C an..70			
3251 Postal identification code	C an..17	N		
3207 Country name code	C an..3	N		
<u>Segment notes</u> - Buyer (DE3035 = BY); Mandatory; N 13 NAD+BY+9012345000004::9' - Supplier (DE3035 = SU); Mandatory; N 13 NAD+SU+9012345000011::9' - Delivery party (DE3035 = DP); Optional; N 13 NAD+DP+9012345000028::9' - Ultimate consignee (DE3035 = UC); Optional; N 13 NAD+UC+9012345000035::9' - Ordered by (DE3035 = OB); Optional; N 13 NAD+OB+9012345000042::9' - Invoicee (DE3035 = IV); Optional; N 13 NAD+IV+9012345000059::9' Remark to Cross-Docking: The field for delivery party (DE3035 = DP) should contain the Cross-Docking-Point. The data field Ultimate consignee (DE3035 =UC) is used to identify the address for which the goods are picked. DE 3039: For partner identification use exclusively the GLN.				

SG6 - C		1 - TDT			
TDT - M		1 - Details of transport			
Function :		To specify the transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.			
Segment number : 8					
Data element group/Data element		EDIFACT	ANW	*	Description
8051	Transport stage code qualifier	M an..3	M	*	20 = Main-carriage transport

Data element group/Data element	EDIFACT	ANW	*	Description
8281 Transport means ownership indicator code	C an..3	N		
<u>Segment notes</u> - Transport mode (DE8067); Optional; A/N 3 TDT+20++30' - Rail wagon number (DE8212); Optional; A/N 16 TDT+20++20+59E++++:::WE3929293' In DE 8179 means of transport can be described more precisely. DE8179, DE8067: for further codes see the code list.				

SG10 - M 9999 - CPS-SG11-SG17					
CPS - M 1 - Consignment packing sequence					
Function : To identify the sequence in which physical packing is presented in the consignment, and optionally to identify the hierarchical relationship between packing layers.					
Segment number : 9					
Data element group/Data element		EDIFACT	ANW	*	Description
7164	Hierarchical structure level identifier	M an..35	M		Sequential numbering requested.
7166	Hierarchical structure parent identifier	C an..35	D		
7075	Packaging level code	C an..3	N		
<u>Segment notes</u>					
The CPS-Segment serves as a trigger for the detail section. It identifies here the whole consignment. This segment is followed by a PAC-Segment which contains information about package quantity and type. In the following Segments (CPS-Segments) each packaging unit is described in detail (as sub-lines).					
See also the example at the end of this document.					
Example: CPS+1'					

SG10 - M 9999 - CPS-SG11-SG17				
SG11 - C 9999 - PAC-MEA-SG12-SG13				
PAC - M 1 - Package				
Function : To describe the number and type of packages/physical units.				
Segment number : 10				
Data element group/Data element	EDIFACT	ANW	*	Description
7224 Package quantity	C n..8	R		
C531 Packaging details	C	N		
7075 Packaging level code	C an..3			
7233 Packaging related description code	C an..3			
7073 Packaging terms and conditions code	C an..3			
C202 Package type	C	M		
7065 Package type description code	C an..17	M		200 = Pallet ISO 0 - 1/2 EURO Pallet (EAN Code) 201 = Pallet ISO 1 - 1/1 EURO Pallet (EAN Code) PK = Package
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	D		9 = EAN (International Article Numbering Association)
7064 Type of packages	C an..35			
C402 Package type identification	C	N		
7077 Description format code	M an..3			
7064 Type of packages	M an..35			
7143 Item type identification code	C an..3			
7064 Type of packages	C an..35			
7143 Item type identification code	C an..3			
C532 Returnable package details	C	N		
8395 Returnable package freight payment responsibility code	C an..3			
8393 Returnable package load contents code	C an..3			
<u>Segment notes</u> On whole consignment level: - Package quantity - whole consignment (DE7224); Optional; N15 - Package type - whole consignment (DE7065); Optional; A/N 3 If on the next hierarchy level there is a description of e.g. 5 SSCC then the following PAC-description on whole consignment level is required: PAC+5++PK' On despatch unit level: - Package quantity/type (current despatch unit) PAC+1++201::9' - Number of packages per despatch unit (DE7224); Optional; N 15 PAC+20++PK' DE7065: for further codes see the code list DE3055: is to be used when DE 7065 contains EAN-code				

SG10 - M 9999 - CPS-SG11-SG17				
SG11 - C 9999 - PAC-MEA-SG12-SG13				
MEA - C 4 - Measurements				
Function : To specify physical measurements, including dimension tolerances, weights and counts.				
Segment number : 11				
Data element group/Data element	EDIFACT	ANW	*	Description
6311 Measurement purpose code qualifier	M an..3	M	*	PD = Physical dimensions (product ordered)
C502 Measurement details	C	R		
6313 Measured attribute code	C an..3	R	*	AAD = Total gross weight AAW = Gross volume LN = Length dimension WD = Width dimension HT = Height dimension AAB = Unit gross weight
6321 Measurement significance code	C an..3	N		
6155 Non-discrete measurement name code	C an..17	N		
6154 Non-discrete measurement name	C an..70	N		
C174 Value/range	C	R		
6411 Measurement unit code	M an..3	R		KGM = Kilogram MTQ = Cubic metre MMT = Millimetre
6314 Measurement value	C an..18	R		
6162 Range minimum value	C n..18	N		
6152 Range maximum value	C n..18	N		
6432 Significant digits quantity	C n..2	N		
7383 Surface or layer code	C an..3	N		
<u>Segment notes</u>				
On whole consignment level:				
- Gross volume (DE6313 = AAW); Optional; N 15+3 MEA+PD+AAW+MTQ:15'				
- Total gross weight (DE6313 = AAD); Optional; N 15+3 MEA+PD+AAD+KGM:150'				
On despatch unit level:				
- Despatch unit length (DE6313 = LN); Optional; N 15+3 MEA+PD+LN+MMT:1200'				
- Despatch unit width (DE6313 = WD); Optional; N 15+3 MEA+PD+WD+MMT:800'				
- Despatch unit height (DE6313 = HT); Optional; N 15+3 MEA+PD+HT+MMT:1000'				
- Despatch unit weight (DE6313 = AAB); Optional; N 15+3 MEA+PD+AAB+KGM:200'				

SG10 - M 9999 - CPS-SG11-SG17				
SG11 - C 9999 - PAC-MEA-SG12-SG13				
SG12 - C 1 - HAN				
HAN - M 1 - Handling instructions				
Function : To specify handling and where necessary, notify hazards.				
Segment number : 12				
Data element group/Data element	EDIFACT	ANW	*	Description
C524 Handling instructions	C	R		
4079 Handling instruction description code	C an..3	R		3 = Stacked CRU = Crushable (EAN Code) FTD = Frost danger (EAN Code)
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	D	*	9 = EAN (International Article Numbering Association)
4078 Handling instruction description	C an..70	N		
C218 Hazardous material	C	N		
7419 Hazardous material category name code	C an..7			
1131 Code list identification code	C an..17			
3055 Code list responsible agency code	C an..3			
7418 Hazardous material category name	C an..35			
<u>Segment notes</u> On despatch unit level: - Handling instructions (DE4079); Optional; A/N 3 HAN+CRU::9' DE4079: for further codes see the code list DE3055: to be used when DE 4079 contains EAN-code				

SG10 - M 9999 - CPS-SG11-SG17				
SG11 - C 9999 - PAC-MEA-SG12-SG13				
SG13 - C 2 - PCI-SG15				
PCI - M 1 - Package identification				
Function : To specify markings and labels on individual packages or physical units.				
Segment number : 13				
Data element group/Data element	EDIFACT	ANW	*	Description
4233 Marking instructions code	C an..3	R	*	33E = Marked with serial shipping container code (EAN Code) 41G = Marked with GS1 Global Returnable Asset Identifier (GS1 Code)
C210 Marks & labels	C	N		
7102 Shipping marks description	M an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
8275 Container or package contents indicator code	C an..3	N		
C827 Type of marking	C	N		
7511 Marking type code	M an..3			
1131 Code list identification code	C an..17			
3055 Code list responsible agency code	C an..3			
<u>Segment notes</u>				
This segment is used to provide markings with SSCC in the GIN segment.				
Example: PCI+33E'				
The PCI segment is the trigger segment for transmitting the information that the packaging unit (e.g. pallet) is marked with GRAI (=Global Returnable Asset Identifier). (see SG15 / GIN - mapping of serialized and non-serialized GRAI with SSCC)				
Example: PCI+41G'				

SG10 - M 9999 - CPS-SG11-SG17				
SG11 - C 9999 - PAC-MEA-SG12-SG13				
SG13 - C 2 - PCI-SG15				
SG15 - M 1 - GIN				
GIN - M 1 - Goods identity number				
Function : To give specific identification numbers, either as single numbers or ranges.				
Segment number : 14				
Data element group/Data element	EDIFACT	ANW	*	Description
7405 Object identification code qualifier	M an..3	M	*	BJ = Serial shipping container code DA =GS1 Global Returnable Asset Identifier with SSCC, without serial number (GS1- Code) DB = GS1 Global Returnable Asset Identifier with SSCC, with serial number (GS1- Code)
C208 Identity number range	M	M		
7402 Object identifier	M an..35	M		
7402 Object identifier	C an..35	N		
C208 Identity number range	C	N		
7402 Object identifier	M an..35			
7402 Object identifier	C an..35			
C208 Identity number range	C	N		
7402 Object identifier	M an..35			
7402 Object identifier	C an..35			
C208 Identity number range	C	N		
7402 Object identifier	M an..35			
7402 Object identifier	C an..35			
C208 Identity number range	C	N		
7402 Object identifier	M an..35			
7402 Object identifier	C an..35			

Segment notes**On despatch unit level:**

- SSCC; Mandatory; N 18

GIN+BJ+390123450000000001'

On despatch unit level:

- non-serialized mapping of GRAI (Global Returnable Asset Identifier)

(DE7405=DA); Optional ; N.. 14*)

GIN+DA+<nGRAI-3>'

or

-serialized mapping of GRAI (Global Returnable Asset Identifier); (DE7405=DB); Optional; A/N..30 *)

GIN+DB+<sGRAI-1>'

*) This is the serialized and non-serialized mapping of GRAI (=Global Returnable Asset Identifier) with SSCC. The choice depends on whether only the container type (basic number) will be specified or the container is to be accepted in serialized form respectively it is also important for possible traceability.

In the appendix of the guideline there is an exact mapping of the serialized and non-serialized GRAI (Global Returnable Asset Identifier) with SSCC added.

SG10 - M 9999 - CPS-SG11-SG17				
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22				
LIN - M 1 - Line item				
Function : To identify a line item and configuration. Segment number : 15				
Data element group/Data element	EDIFACT	ANW	*	Description
1082 Line item identifier	C an..6	R		Application generated number of the item lines within the Despatch Advice. The number must be unique and ascending within the message.
1229 Action request/notification description code	C an..3	N		
C212 Item number identification	C	R		Format n..14, EAN/GTIN - this is the number of the article being despatched.
7140 Item identifier	C an..35	R		
7143 Item type identification code	C an..3	R	*	
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		SRV= EAN.UCC Global Trade Item Number
C829 Sub-line information	C	D		
5495 Sub-line indicator code	C an..3	M	*	1 = Sub-line information
1082 Line item identifier	C an..6	M		
1222 Configuration level number	C n..2	N		
7083 Configuration operation code	C an..3	N		
<u>Segment notes</u> - Article identification by EAN (DE7140); Mandatory; N 14 LIN+1++9054321444441:SRV' - Identification of standard group of products (mixed assortment) LIN+2++9099999000021:SRV+1:1' Representation of returnable items (empties) in DESADV: Basically there are 2 types of returnable items: 1) bounded returnable item: the returnable item is sent together with a full item Approach: - Returnable item information is not sent in DESADV! 2) unbounded returnable item: the returnable item is sent without full item (empty), e.g. by ordering of an "empty" case Approach: - Returnable item is represented as a normal article - Additional qualifier for returnable item identification is NOT sent!				

SG10 - M 9999 - CPS-SG11-SG17					
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22					
PIA - C 1 - Additional product id					
Function : To specify additional or substitutional item identification codes.					
Segment number : 16					
Data element group/Data element		EDIFACT	ANW	*	Description
4347	Product identifier code qualifier	M an..3	M	*	4 = Substituted for
C212	Item number identification	M	M		
7140	Item identifier	M an..35	M		SRV EAN.UCC Global Trade Item Number
7143	Item type identification code	M an..3	M	*	
1131	Code list identification code	N an..17	N		
3055	Code list responsible agency code	N an..3	N		
C212	Item number identification	N	N		
7140	Item identifier	C an..35			
7143	Item type identification code	C an..3			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
C212	Item number identification	N	N		
7140	Item identifier	C an..35			
7143	Item type identification code	C an..3			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
C212	Item number identification	N	N		
7140	Item identifier	C an..35			
7143	Item type identification code	C an..3			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
C212	Item number identification	N	N		
7140	Item identifier	C an..35			
7143	Item type identification code	C an..3			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			

Segment notes

- Substituted for (DE4347=4 +7140); Optional; A/N 35
PIA+4+9099999300432:SRV'

Substituted For - To provide the trade item number of a product which has been substituted by the product identified by the trade item number provided in the LIN segment.

In the despatch advice this function code may be used to inform trading partners of the trade item number of the product originally ordered which has been substituted by another product identified in the LIN segment.

In this case, the segment LIN will refer to the despatched product and the PIA segment will provide the trade item number of the unavailable product.

SG10 - M 9999 - CPS-SG11-SG17				
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22				
IMD - C 2 - Item description				
Function : To describe an item in either an industry or free format.				
Segment number : 17				
Data element group/Data element	EDIFACT	ANW	*	Description
7077 Description format code	C an..3	R	*	C = Code (from industry code list) A = Free-form long description
C272 Item characteristic	C	N		
7081 Item characteristic code	C an..3			
1131 Code list identification code	C an..17			
3055 Code list responsible agency code	C an..3			
C273 Item description	C	M		
7009 Item description code	C an..17	D	*	SG = Standard group of products (mixed assortment) (EAN Code) PROVENANCE =Place of provenance (CCG-Code)
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	D	*	
7008 Item description	C an..256	D		
7008 Item description	C an..256	O		
3453 Language name code	C an..3	D		DE = German
7383 Surface or layer code	C an..3	N		

Segment notes

This segment is used to describe the current line item.

It is recommended to use this segment only for coded descriptions.

- Identification of standard group of products (mixed assortment) (DE7009=SG);Optional; A/N 3
IMD+C++SG::9'

- Place of provenance/ name (EU 1169/2011) waters of origin/ (DE7008, in combination with DE7077 = A, DE7009 = PROVENANCE, DE3055 = 246 and a language code in DE3453); A/N 2X256.

For fishery products (EU No 1379 / 2013), in case of inland fisheries (see production method in FTX segment), the indication of the waters of origin has to be given here (see attachment for example of "fish").

IMD+A++PROVENANCE::246:Hallstättersee::DE'

SG10 - M 9999 - CPS-SG11-SG17				
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22				
MEA - C 1 - Measurements				
Function : To specify physical measurements, including dimension tolerances, weights and counts. Segment number : 18				
Data element group/Data element	EDIFACT	ANW	*	Description
6311 Measurement purpose code qualifier	M an..3	M	*	ABW = Unit of measure used for invoiced quantities
C502 Measurement details	C	M		
6313 Measured attribute code	C an..3	M	*	AAL = Net weight
6321 Measurement significance code	C an..3	N		
6155 Non-discrete measurement name code	C an..17	N		
6154 Non-discrete measurement name	C an..70	N		
C174 Value/range	C	M		
6411 Measurement unit code	M an..3	M		KGM = Kilogram
6314 Measurement value	C an..18	M		
6162 Range minimum value	C n..18	N		
6152 Range maximum value	C n..18	N		
6432 Significant digits quantity	C n..2	N		
7383 Surface or layer code	C an..3	N		
<u>Segment notes</u> This segment is used by variable quantity products to specify the actual physical dimensions of the position that will be invoiced (in case when unit of measure in the order is different from the unit of measure in the invoice)! This measurement information is to be used only together with the qualifier 12 in the QTY-Segment! - Delivered quantity for invoicing (DE6311 = ABW and DE6313 = AAL); Optional, N 7+3 MEA+ABW+AAL+KGM:22.4'				

SG10 - M 9999 - CPS-SG11-SG17				
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22				
QTY - M 5 - Quantity				
Function : To specify a pertinent quantity.				
Segment number : 19				
Data element group/Data element	EDIFACT	ANW	*	Description
C186 Quantity details	M	M		
6063 Quantity type code qualifier	M an..3	M	*	12 = Despatch quantity 21 = Ordered quantity 192 = Free goods quantity (EAN Code) 59 = Number of consumer units in the traded unit 45E = Number of units in higher packaging or configuration level (EAN Code) 61 = Return quantity
6060 Quantity	M an..35	M		
6411 Measurement unit code	C an..3	D		KGM = Kilogram PCE = Piece
<u>Segment notes</u> - Despatch quantity (DE6063 = 12); Mandatory; N 7+3 QTY+12:350' - Free goods quantity; Optional; N 7+3 QTY+192:12' - Ordered quantity (DE6063 = 21); Optional; N 7+3 When the delivery of one order position is related to more than one SSCC or LIN (more batch numbers) then the quantity information from the order must be repeated per each SSCC resp. LIN. QTY+21:10:PCE' - Return quantity (DE6063 = 61);Optional; N 7+3 QTY+61:10' - Number of consumer units in the traded unit (DE6063 =59); Optional, N 7+3 QTY+59:25' - Number of units in higher packaging or configuration level (EAN Code); Optional; N 7+3 In the qualifier 45E is displayed the total quantity of all sub-positions (Quantity main position x number of the sub-positions within the main position = total quantity) QTY+45E:10' *) Please note that the free goods quantity (QTY+192) is already included in the despatch quantity (QTY+12)!				

SG10 - M 9999 - CPS-SG11-SG17				
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22				
ALI - C 1 - Additional information				
Function : To indicate that special conditions due to the origin, customs preference, fiscal or commercial factors are applicable.				
Segment number : 20				
Data element group/Data element	EDIFACT	ANW	*	Description
3239 Country of origin name code	C an..3	M		ISO 3166 2-alpha Code AT = AUSTRIA EU = EU (EAN Code)
9213 Duty regime type code	C an..3	N		
4183 Special condition code	C an..3	N		
4183 Special condition code	C an..3	N		
4183 Special condition code	C an..3	N		
4183 Special condition code	C an..3	N		
4183 Special condition code	C an..3	N		
<u>Segment notes</u> - Country of origin (EU 1169/2011); Optional; A / N 3. For fishery products (EU No 1379/2013), the country of origin should be given in combination with inland fisheries / aquaculture (see production method in FTX). (see attachment for example of "fish") ALI+EU'				

SG10 - M 9999 - CPS-SG11-SG17					
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22					
DTM - C 1 - Date/time/period					
Function : To specify date, and/or time, or period.					
Segment number : 21					
Data element group/Data element		EDIFACT	ANW	*	Description
C507	Date/time/period	M	M		
2005	Date or time or period function code qualifier	M an..3	M	*	94 = Production/manufacture date
2380	Date or time or period value	C an..35	R		
2379	Date or time or period format code	C an..3	R	*	102 = CCYYMMDD 718 = CCYYMMDD-CCYYMMDD
<u>Segment notes</u>					
- Fish and seafood: Date of catch; Optional; D 8 oder D 16 (*) (see attachment for example of "fish") DTM+94:20160301:102' or DTM+94:2016030120160304:718' (*) One of these date format must be set.					

SG10 - M 9999 - CPS-SG11-SG17				
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22				
FTX - C 99 - Free text				
Function : To provide free form or coded text information.				
Segment number : 22				
Data element group/Data element	EDIFACT	ANW	*	Description
4451 Text subject code qualifier	M an..3	M	*	QQD = Quality demands/requirements PRD = Product information
4453 Free text function code	C an..3	N		
C107 Text reference	C	M		
4441 Free text value code	M an..17	M	*	LABELS = Label information CATCHMETHOD = Catch method CATCHAREA = Catch area PRODUCTIONMETHOD = Production method
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	M	*	
C108 Text literal	C	M		294 = GS1 Austria
4440 Free text value	M an..512	M		
4440 Free text value	C an..512	O		
4440 Free text value	C an..512	O		
4440 Free text value	C an..512	O		
4440 Free text value	C an..512	O		
3453 Language name code	C an..3	N		
4447 Free text format code	C an..3	N		
<u>Segment notes</u> - Fish and seafood: label information, coded (DE4451 = QQD; DE4441 = LABELS; DE3055 = 294; 4440 = Code; see also GS1 Sync code list: PackagingMarksLabelAccreditationCode); Optional A/N 20x512 If necessary the whole FTX segment can be repeated. (see attachment for example of "fish") FTX+QQD++LABELS::294+AMA_ORGANIC_SEAL'				
- Fish and seafood: catch method, coded (DE4451 = PRD; DE4441 = CATCHMETHOD; DE3055 = 294; 4440 = Code; see GS1 Sync code list: FishAndSeafoodCatchMethodCode); Optional A/N 10X512 If necessary, the whole FTX segment can be repeated. (see attachment for example of "fish") FTX+PRD++CATCHMETHOD::294+LHP'				
- Fish and seafood: catch area (main/sub-catch area), coded (DE4451 = PRD; DE4441 = CATCHAREA; DE3055 = 294; 4440 = Code; see GS1 Sync code list: FishAndSeafoodCatchAreaCode); Optional A/N 10X512 If necessary, the whole FTX segment can be repeated. (see attachment for example of "fish") FTX+PRD++CATCHAREA::294+27.11'				
- Fish and seafood: Production method, coded (DE4451 = PRD; DE4441 = PRODUCTIONMETHOD; DE3055 = 294; 4440 = Code; see GS1 Sync Code list: FishAndSeafoodProductionMethodCode); Optional; A/N 10X512 If necessary, the whole FTX segment can be repeated. (see attachment for example of "fish") FTX+PRD++PRODUCTIONMETHOD::294+MARINE_FISHERY'				

SG10 - M 9999 - CPS-SG11-SG17					
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22					
MOA - C 1 - Monetary amount					
Function : To specify a monetary amount.					
Segment number : 23					
Data element group/Data element		EDIFACT	ANW	*	Description
C516	Monetary amount	M	M		
5025	Monetary amount type code qualifier	M an..3	M	*	203 = Line item amount
5004	Monetary amount	C n..35	R		
6345	Currency identification code	C an..3	R	*	ISO 4217 3-Alpha, see code list
6343	Currency type code qualifier	C an..3	N		
4405	Status description code	C an..3	N		
<u>Segment notes</u>					
- Line item amount (DE5004); Optional; A/N 10+3					
MOA+203:20:EUR'					

SG10 - M 9999 - CPS-SG11-SG17				
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22				
SG18 - C 2 - RFF				
RFF - M 1 - Reference				
Function : To specify a reference. Segment number : 24				
Data element group/Data element	EDIFACT	ANW	*	Description
C506 Reference	M	M		
1153 Reference code qualifier	M an..3	M	*	DDR =EUDR reference number DDV =EUDR verification number
1154 Reference identifier	C an..70	M		
1156 Document line identifier	C an..6	N		
4000 Reference version identifier	C an..35	N		
1060 Revision identifier	C an..6	N		
<u>Segment notes</u> If a EURD relevant product is part of the delivery, the segment must be specified in the DESADV. The appropriate due diligence reference must be provided prior to physical delivery. - EUDR Reference Number (Due Diligence Reference Number) (DE1153=DDR),Optional; A/N 35 RFF+DDR:EUDR-AT-2025-000123456' - EUDR Verification number (Due Diligence Verification Number) (DE1153=DDV), Optional; A/N 35 RFF+DDV:VER-9348GH72'				

SG10 - M 9999 - CPS-SG11-SG17				
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22				
SG22 - C 3 - PCI-DTM-SG23				
PCI - M 1 - Package identification				
Function : To specify markings and labels on individual packages or physical units.				
Segment number : 25				
Data element group/Data element	EDIFACT	ANW	*	Description
4233 Marking instructions code	C an..3	R	*	36E = Marked with batch number (EAN Code) 38E = Marked with expiry date (EAN Code) 39E = Marked with best before date (EAN Code) 46 = Marked with packaging date
C210 Marks & labels	C	N		
7102 Shipping marks description	M an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
7102 Shipping marks description	C an..35			
8275 Container or package contents indicator code	C an..3	N		
C827 Type of marking	C	N		
7511 Marking type code	M an..3			
1131 Code list identification code	C an..17			
3055 Code list responsible agency code	C an..3			

Segment notes

The PCI- Segment serves as a trigger for the segments where batch number, expiry date, best before date and marked with packaging date are provided.

Example:

Batch number

PCI+36E'

GIN+BX+9905'

Best before date

PCI+39E'

DTM+361:20060404:102'

Expiry date

PCI+38E'

DTM+36:20060708:102'

Marked with packaging date

PCI+46'

DTM+365:20180708:102'

SG10 - M 9999 - CPS-SG11-SG17				
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22				
SG22 - C 3 - PCI-DTM-SG23				
DTM - C 1 - Date/time/period				
Function : To specify date, and/or time, or period.				
Segment number : 26				
Data element group/Data element	EDIFACT	ANW	*	Description
C507 Date/time/period	M	M		
2005 Date or time or period function code qualifier	M an..3	M	*	361 = Best before date 36 = Expiry date 365 = Packaging date
2380 Date or time or period value	C an..35	R		
2379 Date or time or period format code	C an..3	R	*	102 = CCYYMMDD
<u>Segment notes</u> - Best before date (DE2005 = 361); Optional; D 8 (Best before date is the date until which the product keeps its specific characteristics under appropriate storage conditions. After this date the sale of the product is still allowed but the seller is responsible for the quality of the product.) DTM+361:20060720:102' - Expiry date (DE2005 = 36); Optional; D 8 (Expiry date is to be used by easily spoiling food products which can become in a short time an imminent danger for the health. After expiry date the sale of the product is forbidden!) DTM+36:20061012:102' -Packaging date (DE2005 = 365); Optional; D 8. (Natural products as fruits and vegetables are sold without being changed (for e.g. cut, mixed etc.). By that reason, these products are not marked with Best before date. DTM+365:20181012:102'				

SG10 - M 9999 - CPS-SG11-SG17					
SG17 - C 9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22					
SG22 - C 3 - PCI-DTM-SG23					
SG23 - C 1 - GIN					
GIN - M 1 - Goods identity number					
Function : To give specific identification numbers, either as single numbers or ranges.					
Segment number : 27					
Data element group/Data element		EDIFACT	ANW	*	Description
7405	Object identification code qualifier	M an..3	M	*	BX = Batch number
C208	Identity number range	M	M		
7402	Object identifier	M an..35	M		
7402	Object identifier	C an..35	N		
C208	Identity number range	C	N		
7402	Object identifier	M an..35			
7402	Object identifier	C an..35			
C208	Identity number range	C	N		
7402	Object identifier	M an..35			
7402	Object identifier	C an..35			
C208	Identity number range	C	N		
7402	Object identifier	M an..35			
7402	Object identifier	C an..35			
C208	Identity number range	C	N		
7402	Object identifier	M an..35			
7402	Object identifier	C an..35			
<u>Segment notes</u>					
- Batch number; Optional; A/N 35					
GIN+BX+9905'					

UNT - M 1 - Message trailer				
Function : To end and check the completeness of a message.				
Segment number : 28				
Data element group/Data element	EDIFACT	ANW	*	Description
0074 Number of segments in the message	M n..6	M		Sum of all segments
0062 Message reference number	M an..14	M		Reference number from the UNH-Segment is to be repeated.
<u>Segment notes</u> This segment is a mandatory UN/EDIFACT segment. Example: UNT+35+ME000001'				

Example:**DESADV without representation of despatch units (Advanced model)**

EANCOM	DESCRIPTION
UNH+3345+DESADV:D:01B:UN:EAN007'	Message Header
BGM+351+63241+9'	DESADV number: 63241
DTM+137:20040321:102'	DESADV date
DTM+17:200403240900:203'	Delivery date and time
RFF+ON:45633'	Order number
DTM+171:20040320:102'	Order date
NAD+BY+9034521000004::9'	Buyer
NAD+SU+9012345000059::9'	Supplier
CPS+1'	Identification of the whole consignment
LIN+1++9054443134564:SRV'	Article on this pallet
QTY+12:120'	Delivered quantity 120
LIN+2++9054443134564:SRV'	Article on this returnable item (container)
QTY+12:20'	Delivered quantity 20
UNT+14+3345'	Message Trailer

Variable quantity products

.....	
LIN+1++9054443134564:SRV'	1.Article
MEA+ABW+AAL+KGM:22.4'	Invoiced quantity (variable quantity product)
QTY+12:120'	Delivered quantity 120
LIN+2++9054443134564:SRV'	2. Article
MEA+ABW+AAL+KGM:43.6'	Invoiced quantity (variable quantity product)

QTY+12:20'	Delivered quantity 20

DESADV with representation of despatch units (Ideal model)

This example represents a delivery of 2 EURO-Pallets. The pallets are sort homogeneous and each of them is identified by one SSCC.

EANCOM	DESCRIPTION
UNH+3345+DESADV:D:01B:UN:EAN007'	Message Header
BGM+351+63241+9'	DESADV number: 63241
DTM+137:20060321:102'	DESADV date
DTM+17:200603240900:203'	Delivery date and time
RFF+XC1:AT-N-01-BIO'	Organic control number of the supplier
RFF+ON:45633'	Order number
DTM+171:20060320:102'	Order date
RFF+VN:6433334'	Order number (supplier)
DTM+171:20060322:102'	Date of order number (supplier)
RFF+DQ:25644'	Delivery note number
NAD+BY+9034521000004::9'	Buyer
NAD+SU+9012345000059::9'	Supplier
NAD+DP+9034521000325::9'	Delivery party
NAD+OB+9099999300414::9'	Ordered by
NAD+UC+9099999300414::9'	Ultimate consignee
TDT+20++30'	Means of transport
CPS+1'	Identification of the whole consignment
PAC+2++PK	Consignment of 2 EURO-Pallets
MEA+PD+AAD+KGM:150'	Total gross weight: 300 kg
MEA+PD+AAW+MTQ:5'	Gross volume: 5 cubic meter
CPS+2+1'	Identification of the first despatch unit
PAC+1++201::9'	One EURO-Pallet
MEA+PD+AAB+KGM:100'	Total gross weight 100 kg
MEA+PD+LN+MMT:1200'	Length 1200 mm
MEA+PD+HT+MMT:1200'	Height
MEA+PD+WD+MMT:800'	Width
HAN+CRU::9'	Handling instructions: crushable
PCI+33E'	Despatch unit is identified by SSCC
GIN+BJ+390123450000000012'	SSCC
PAC+20++PK'	Despatch unit contains 20 packages
LIN+1++9054443134564:SRV'	Article on this pallet
QTY+12:120'	Delivered quantity 120
QTY+192:20'	Delivered quantity without charging is 20
QTY+59:10'	Consumer units quantity
CPS+3+1'	Identification of the second despatch unit
PAC+1++201:9'	One EURO-Pallet
PCI+33E'	Despatch unit is identified by SSCC
GIN+BJ+390123450000000001'	SSCC

PAC+10++PK'	Despatch unit contains 10 packages
LIN+2++9054443134564:SRV'	Mixed assortment (display)
IMD+C++SG::9'	Identification of mixed assortment (display)
QTY+12:20'	Delivered quantity 20
PCI+39E'	Trigger segment
DTM+361:20061224:102'	Best before date
PCI+36E'	Trigger segment
GIN+BX+23456'	Batch number
LIN+3++9099999300414:SRV+1:2'	Article from the mixed assortment (display article)
QTY+45E:40'	2 articles per mixed assortment (display): 20x2=40
LIN+4++9099999300476:SRV+1:2'	Article from the mixed assortment (display article)
QTY+45E:20'	1 article per mixed assortment (display): 20x1=20
UNT+51+3345'	Message Trailer

Explanation and examples of "FISH"

For the transmission of fish in the DESADV additional features are necessary, which result from the "production method fish". The composition of the features varies with the 3 possible production methods.

Attribut/ Category	Specification for „MARINE_FISHERY“	Specification for „INLAND_FISHERY“	Specification for „AQUACULTURE“
Production method Fish	MARINE_FISHERY	INLAND_FISHERY	AQUACULTURE
Catch method	mandatory	mandatory	
Catch area	mandatory		
Sub-area	mandatory/ at catch area 27 and 37		
Country of origin		mandatory	mandatory
Place of provenance		mandatory	

In addition to the transmission of additional FTX and IMD segments, the use of the ALI segment for the country of origin is therefore sometimes required.

The filling of the place of origin takes place as a pure text indication - therefore, in addition pay attention to the correct character set in the UNB segment!

The characteristics of the individual attributes are transmitted either as a code or as a text and are based on the definition of the GS1 Sync Compendium! The following assignments are given:

Attribut/ Category	GDSN-Attribute
Production method Fish	M127 – FishAndSeafoodProductionMethodCode
Catch method	M126 – FishAndSeafoodCatchMethodCode
Catch area	M125 – FishAndSeafoodCatchAreaCode
Sub-area	M125 – FishAndSeafoodCatchAreaCode (all catch area with sub-area; e.g. 27.1)
Country of origin	M044 – CountryOfOrigin (2stelliger ISO-3166 Code)
Place of provenance	M133 – ProvenanceStatement (any text label)

Examples:

1) Marine Fishery

LIN...

MEA+ABW+AAL+KGM:xxxxx'

For variable quantity product (KG-) article

QTY...

FTX+PRD++PRODUCTIONMETHOD::294+MARINE_FISHERY'

Production method Fish

FTX+PRD++CATCHMETHOD::294+LHP'

Catch method

FTX+PRD++CATCHAREA::294+27.11'

Catch area (included sub-area)

2) Inland Fishery

LIN...

IMD+A++PROVENANCE::246:Attersee::DE'

Place of provenance

MEA+ABW+AAL+KGM:xxxxx'

For variable quantity product (KG-) article

QTY...

ALI+AT'

Country of origin

FTX+PRD++PRODUCTIONMETHOD::294+INLAND_FISHERY'

Production method Fish

FTX+PRD++CATCHMETHOD::294+LX'

Catch method

3) Aquaculture

LIN...

MEA+ABW+AAL+KGM:xxxxx'

For variable quantity product (KG-) article

QTY...

ALI+AT'

Country of origin

FTX+PRD++PRODUCTIONMETHOD::294+AQUACULTURE'

Production method Fish

Mapping of "serialized" and "non-serialized" GRAI with SSCC structure

NON-SERIALISED GRAI (= **nGRAI**= Non-Serialised Global Returnable Asset Identifier)

In this example we consider 20 pallets of type **<nGRAI>**; their SSCCs range from **<SSCC-1>** to **<SSCC-20>**. (see also MTV guidelines on GS1 homepage: 8.3.2.1/ page: 30-32)

EANCOM	Beschreibung
.....	
CPS+1'	1st (highest) consignment level (= whole shipment)
PAC+20'	Current consignment level [shipment] consists of 20 [logistic] units
CPS+2+1'	2nd consignment level (parent = whole shipment): description of 1st logistic unit
PAC+1++201::9'	Current consignment level consists of 1 unit [pallet]
PCI+33E'	Packaging unit [pallet] marked with SSCC
GIN+BJ+3901234500000000005'	Current packaging unit [pallet] identified by SSCC
PCI+41G'	Packaging unit [pallet] is marked with a GRAI
GIN+DA+9099999000000'	Current packaging unit [pallet] identified by nGRAI <9099999000000>
LIN+1++9099998999114:SRV'	First line item, on current logistic unit [pallet], identified by GTIN
...	
CPS+3+1'	2nd consignment level (parent = whole shipment): description of 2nd logistic unit
PAC+1++201::9'	Current consignment level consists of 1 unit [pallet]
PCI+33E'	Packaging unit [pallet] marked with SSCC
GIN+BJ+3901234500000000029'	Current packaging unit [pallet] identified by SSCC
PCI+41G'	Packaging unit [pallet] is marked with a GRAI
GIN+DA+90999990000208'	Current packaging unit [pallet] identified by nGRAI <90999990000208>
LIN+2++9099998999220:SRV'	Second line item, on current logistic unit [pallet], identified by GTIN
.....	
CPS+21+1'	2nd consignment level (parent = whole shipment): description of 20th logistic unit
PAC+1++201::9'	Current consignment level consists of 1 unit [pallet]
PCI+33E'	Packaging unit [pallet] marked with SSCC
GIN+BJ+3901234500000034550'	Current packaging unit [pallet] identified by SSCC
PCI+41G'	Die Verpackungseinheit [Palette] ist mit GRAI gekennzeichnet
GIN+DA+90999990000307'	Current packaging unit [pallet] identified by

	nGRAI <9099999000307>
LIN+20++9099998999336:SRV'	20th line item, on current logistic unit [pallet], identified by GTIN
...	

SERIALISED GRAI (= sGRAI= Serialized Global Returnable Asset Identifier)

We take the same example as for the previous section, the only difference being the use of sGRAIs instead of nGRAIs, ranging from <sGRAI-1> to <sGRAI-20>. The SSCCs of the logistic units again range from <SSCC-1> to <SSCC-20>. (see also MTV guidelines on GS1 homepage: 8.3.2.1/ page: 30-32)

EANCOM	Beschreibung
.....	
CPS+1'	1st (highest) consignment level (= whole shipment)
PAC+20'	Current consignment level [shipment] consists of 20 [logistic] units
CPS+2+1'	2nd consignment level (parent = whole shipment): description of 1st logistic unit.
PAC+1++201::9'	Current consignment level consists of 1 unit [pallet]
PCI+33E'	Packaging unit [pallet] marked with an SSCC
GIN+BJ+390123450000000029'	Current packaging unit [pallet] identified by SSCC
PCI+41G'	Packaging unit [pallet] is marked with a GRAI
GIN+DB+90999990000001234567890'	Current packaging unit [pallet] identified by sGRAI. It consists of the 14-digit base number <9099999000000> and the serial number. <1234567890>
LIN+1++9099998999114:SRV'	First line item, on current logistic unit [pallet], identified by GTIN
...	
CPS+3+1'	2nd consignment level (parent = whole shipment): description of 2nd logistic unit
PAC+1++201::9'	Current consignment level consists of 1 unit [pallet]
PCI+33E'	Packaging unit [pallet] marked with an SSCC
GIN+BJ+390123450000000029'	Current packaging unit [pallet] identified by SSCC
PCI+41G'	Packaging unit [pallet] is marked with a GRAI

GIN+DB+90999990002088474663A'	Current packaging unit [pallet] identified by sGRAI . It consists of the 14-digit base number <9099999000208> and the serial number. <8474663A>
LIN+2++9099998999220:SRV'	Second line item, on current logistic unit [pallet], identified by GTIN
...	
CPS+21+1'	2nd consignment level (parent = whole shipment): description of 20th logistic unit
PAC+1++201::9'	Current consignment level consists of 1 unit [pallet]
PCI+33E'	Packaging unit [pallet] marked with an SSCC
GIN+BJ+390123450000034550'	Current packaging unit [pallet] identified by SSCC
PCI+41G'	Packaging unit [pallet] is marked with a GRAI
GIN+DB+9099999000307Z837ei98'	Current packaging unit [pallet] identified by sGRAI . It consists of the 14-digit base number <909999900030> and the serial number. <7Z837ei98>
LIN+20++9099998999336:SRV'	20th line item, on current logistic unit [pallet], identified by GTIN
...	