



# **Message Implementation Guideline**

## **DESADV**

### **GASTRO Initiative Austria**

### **EANCOM 2002 Syntax 3**

### **Version 2.3**

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

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## Definition

This message was defined and agreed of the **Gastro-Austria** community!

A message specifying details for goods despatched or ready for despatch under agreed conditions.

## Principles

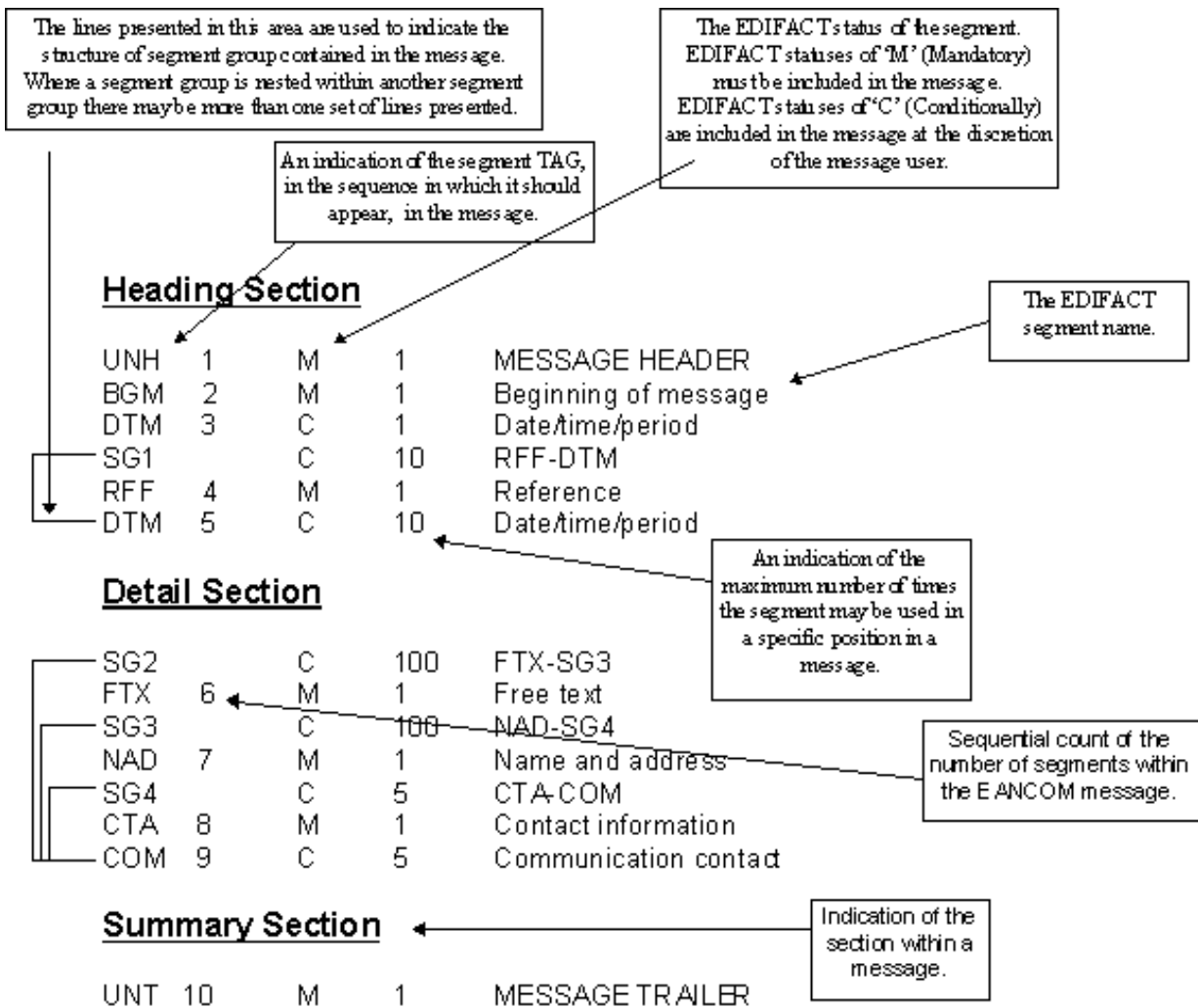
The EANCOM® subset of the UNSM Purchase Order is intended to be used in day to day ordering transactions.

The recommended business practice is that **one** Purchase Order leads to **one** delivery and to **one** invoice!

## 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.

## Message structure

## Despatch advice message

<b>UNA</b>	1	<b>C</b>	1	Service string advice
<b>UNB</b>	2	<b>M</b>	1	Interchange header
<b>UNH</b>	3	<b>M</b>	1	Message header
<b>BGM</b>	4	<b>M</b>	1	Beginning of message
<b>DTM</b>	5	<b>M</b>	2	Date/time/period
<b>SG1</b>		<b>M</b>	3	RFF-DTM
<b>RFF</b>	6	<b>M</b>	1	Reference
<b>DTM</b>	7	<b>C</b>	1	Date/time/period
<b>SG2</b>		<b>M</b>	5	NAD-SG3
<b>NAD</b>	8	<b>M</b>	1	Name and address
<b>SG3</b>		<b>C</b>	1	RFF
<b>RFF</b>	9	<b>M</b>	1	Reference
<b>SG10</b>		<b>M</b>	1	CPS-SG17
<b>CPS</b>	10	<b>M</b>	1	Consignment packing sequence
<b>SG17</b>		<b>M</b>	9999	LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22
<b>LIN</b>	11	<b>M</b>	1	Line item
<b>PIA</b>	12	<b>C</b>	4	Additional product id
<b>IMD</b>	13	<b>C</b>	6	Item description
<b>MEA</b>	14	<b>C</b>	1	Measurements
<b>QTY</b>	15	<b>M</b>	3	Quantity
<b>ALI</b>	16	<b>C</b>	1	Additional information
<b>DTM</b>	17	<b>C</b>	1	Date/time/period
<b>FTX</b>	18	<b>C</b>	99	Free text
<b>MOA</b>	19	<b>C</b>	1	Monetary amount
<b>SG18</b>		<b>C</b>	1	RFF-DTM
<b>RFF</b>	20	<b>M</b>	1	Reference
<b>DTM</b>	21	<b>C</b>	1	Date/time/period
<b>SG22</b>		<b>C</b>	3	PCI-DTM-SG23
<b>PCI</b>	22	<b>M</b>	1	Package identification
<b>DTM</b>	23	<b>C</b>	1	Date/time/period
<b>SG23</b>		<b>C</b>	1	GIN
<b>GIN</b>	24	<b>M</b>	1	Goods identity number
<b>UNT</b>	25	<b>M</b>	1	Message trailer
<b>UNZ</b>	26	<b>M</b>	1	Interchange trailer

**BUSINESS TERMS**

Business term	Description	Status	Format	Segment		Data element	
Message type		M	A/N 3	BGM		C002 1001	Document name code
Qualifier "No Order Number"	NON = No order number	O	A/N 3	BGM		C002 1000	Document name
Number of the DESADV		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		M	D 8	DTM		C507 2380	Date or time or period value
Order number	Order number assigned by the buyer	O	A/N 16	SG1	RFF	C506 1154	Reference identifier
Delivery note number		M	A/N 16	SG1	RFF	C506 1154	Reference identifier
Organic control number		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 resp. SekID (public administration)	M	N 13	SG2	NAD	C082 3039	Party identifier
Supplier	GLN resp. SekID (public administration)	M	N 13	SG2	NAD	C082 3039	Party identifier
Delivery party	GLN resp. SekID (public administration), only if not identical with the buyer	O	N 13	SG2	NAD	C082 3039	Party identifier
Ordered by	GLN resp. SekID (public administration), only if not identical with the buyer	O	N 13	SG2	NAD	C082 3039	Party identifier
Invoicee	GLN resp. SekID (public administration)	O	N 13	SG2	NAD	C082 3039	Party identifier
Internal supplier number	used in connection with Delivery party	O	A/N 20	SG3	RFF	C506 1154	Reference identifier
Article		M	N 14	SG17	LIN	C212 7140	Item identifier

**BUSINESS TERMS**

Business term	Description	Status	Format	Segment	Data element
Additional article number	assigned by the supplier/buyer	O	A/N 35	SG17 PIA	C212 7140 Item identifier
Product identification	when no GTIN has been provided in the LIN segment	M	A/N 35	SG17 PIA	C212 7140 Item identifier
Substitute item		O	A/N 35	SG17 PIA	C212 7140 Item identifier
Product group number/product branch specification code		O	A/N 10	SG17 PIA	C212 7140 Item identifier
Indicator for variable quantity products		O	A/N 3	SG17 IMD	C273 7009 Item description code
Indicator for returnable containers		O	A/N 3	SG17 IMD	C273 7009 Item description code
Indicator for organic products		O	A/N 3	SG17 IMD	C273 7009 Item description code
Fish and seafood / scientific name	coded according to FAO	O	A/N 3	SG17 IMD	C273 7009 Item description code
Product description	Free text	O	A/N 70	SG17 IMD	C273 7008 Item description
Place of provenance	of the primary ingredient of the product (EU-LMIV)	O	A/N 2X256	SG17 IMD	C273 7008 Item description
Fish and seafood / scientific name	Text	O	A/N 2X256	SG17 IMD	C273 7008 Item description
Delivered quantity in units of measure for invoicing		O	N 7+3	SG17 MEA	C174 6314 Measurement value

## BUSINESS TERMS

Business term	Description	Status	Format	Segment	Data element
Despatch quantity		M	N 7+3	SG17 QTY	C186 6060 Quantity
Number of consumer units in the traded unit		M	N 7+3	SG17 QTY	C186 6060 Quantity
Quantity	Free goods quantity	O	N 7+3	SG17 QTY	C186 6060 Quantity
Country of origin	EU - LMIV	O	A/N 3	SG17 ALI	3239 Country of origin name code
Fish and seafood: Date of catch	EU-LMIV	O	D 8; D16	SG17 DTM	C507 2380 Date or time or period value
Fish and seafood: label information, coded	EU-LMIV	O	A/N20X 512	SG17 FTX	C108 4440 Free text value
Fish and seafood: catch method, coded	EU-LMIV	O	A/N10X 512	SG17 FTX	C108 4440 Free text value
Fish and seafood: catch area (main/sub-catch area), coded	EU-LMIV	O	A/N10X 512	SG17 FTX	C108 4440 Free text value
Fish and seafood: production method, coded	EU-LMIV	O	A/N10X 512	SG17 FTX	C108 4440 Free text value
VAT information as percent		O	N 2+2	SG17 FTX	C108 4440 Free text value
Net price per line item	excluding VAT	O	N 7+4	SG17 MOA	C516 5004 Monetary amount
Order number (buyer)		O	A/N 35	SG18 RFF	C506 1154 Reference identifier



**BUSINESS TERMS**

Business term	Description	Status	Format	Segment	Data element
Order date	Date of the order	O	D 8	SG18 DTM	C507 2380 Date or time or period value
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
Batch number		O	A/N 35	SG23 GIN	C208 7402 Object identifier

UNA - C                    1 - Service string advice				
Function                    :                    To define the characters selected for use as delimiters and indicators in the rest of the interchange that follows.				
Segment number        :        1				
Data element group/Data element	EDIFACT	ANW	*	Description
<b>UNA1 Component data element separator</b>	M an1	<b>M</b>	*	Used as a separator between component data elements contained within a composite data element (default value: ".")
<b>UNA2 Data element separator</b>	M an1	<b>M</b>	*	Used as a separator between two simple or composite data elements (default value: "+" )
<b>UNA3 Decimal notation</b>	M an1	<b>M</b>	*	Used to indicate the character used for decimal notation (default value: "." )
<b>UNA4 Release indicator</b>	M an1	<b>M</b>	*	Used to restore separator and terminator signs to their normal meaning (value: "?" ) .
<b>UNA5 Reserved for future use</b>	M an1	<b>M</b>	*	Default value: space
<b>UNA6 Segment terminator</b>	M an1	<b>M</b>	*	Used to indicate the end of a segment (default value: " ' ")
<u>Segment notes:</u>				
This segment is used to inform the receiver of the interchange that a set of service string characters which are different to the default characters are being used.				
When using the default set of service characters, the UNA segment need not be sent. If it is sent, it must immediately precede the UNB segment and contain the four service string characters (positions UNA1, UNA2, UNA4 and UNA6) selected by the interchange sender.				
Regardless of whether or not all of the service string characters are being changed every data element within this segment must be filled, (i.e. if some default values are being used together with user-defined values then both the default and the user-defined values must be specified).				
When expressing the service string characters in the UNA segment, it is not necessary to include any element separators.				
The use of the UNA segment is required when a character set other than level A are being used.				
Example: UNA:+.? '				

UNB - M 1 - Interchange header				
Function : To start, identify and specify an interchange.				
Segment number : 2				
Data element group/Data element	EDIFACT	ANW	*	Description
<b>S001 Syntax identifier</b>	M	M		
0001 Syntax identifier	M 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
0002 Syntax version number	M n1	M	*	3 = Version 3
<b>S002 Interchange sender</b>	M	M		
0004 Sender identification	M an..35	M		GLN resp. SekID (public administration) (n 13)
0007 Partner identification code qualifier	C an..4	R	*	14 = EAN International
0008 Address for reverse routing	C an..14	N		
<b>S003 Interchange recipient</b>	M	M		
0010 Recipient identification	M an..35	M		GLN resp. SekID (public administration) (n 13)
0007 Partner identification code qualifier	C an..4	R	*	14 = EAN International.
0014 Routing address	C an..14	O		
<b>S004 Date/time of preparation</b>	M	M		
0017 Date of preparation	M n6	M		YYMMTT
0019 Time of preparation	M n4	M		HHMM
<b>0020 Interchange control reference</b>	M an..14	M		Unique reference identifying the interchange. Created by the interchange sender.
<b>S005 Recipient's reference, password</b>	C	O		
0022 Recipient's reference/password	M an..14	M		
0025 Recipient's reference/password qualifier	C an2	O		
<b>0026 Application reference</b>	C an..14	O		Message identification if the interchange contains only one type of message.
<b>0029 Processing priority code</b>	C a1	O		
<b>0031 Acknowledgement request</b>	C n1	O		
<b>0032 Communications agreement ID</b>	C an..35	O	*	EANCOM....
<b>0035 Test indicator</b>	C n1	O		1 = Interchange is a test
<u>Segment notes:</u>				
The UNB segment is used to envelope the interchange and also to identify the party for whom the interchange is intended and the party who has sent the interchange. The principle of the UNB segment is the same as a physical envelope which covers one or more letters or documents and which details the address where delivery is to take place and the address from where the envelope has come.				
DE 0001: The recommended (default) character set for use in EANCOM® for international exchanges is character set A (UNOA). Should users wish to use character sets other than A, an agreement on which set to use should be reached on a				

bilateral basis before communications begin.

DE 0004 and 0010: Within EANCOM® the Global Location Number (GLN) is recommended for the identification of the interchange sender and recipient.

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 system to which responding interchanges must be sent. It is recommended that the GLN be used for this purpose.

DE 0014: The address for routing, formerly provided by the interchange recipient, is used by the interchange sender to inform the recipient of the internal address within the recipient's system, to which the interchange should be routed. It is recommended that the GLN be used for this purpose.

DEG S004: The date and time at which the sender prepared the interchange. This date and time may not necessarily be the same as the date and time of contained messages.

DE 0020: The interchange control reference number is generated by the interchange sender and is used to identify uniquely each interchange. Should the sender wish to re-use interchange control reference numbers, it is recommended that each number be held for a period of at least three months before being re-used. In order to guarantee uniqueness, the interchange control reference number should always be linked to the sender's identification (DE 0004).

DEG S005: Any use of passwords must first be agreed bilaterally by the parties to the exchange.

DE 0026: This data element is used to identify the application on the recipient's system to which the interchange is directed. This data element may be used if, and only if, the interchange contains only one type of message, e.g. invoices. The reference used in this data element is assigned by the interchange sender.

DE 0031: This data element is used to indicate whether an acknowledgement to the interchange is required or not. The EANCOM® APERAK or CONTRL message should be used to provide acknowledgement of interchange receipt. In addition the EANCOM® CONTRL message may be used to indicate when an interchange has been rejected due to syntactical errors.

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' with the remaining characters within the data element filled according to bilateral agreements.

Example:

UNB+UNOA:3+5412345678908:14+8798765432106:14+020102:1000+1234555++++EANCOMREF 52'

UNH - M                    1 - Message header				
Function                :            To head, identify and specify a message.				
Segment number        :            3				
Data element group/Data element	EDIFACT	ANW	*	Description
<b>0062    Message reference number</b>	M an..14	<b>M</b>		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.
<b>S009    Message identifier</b>	M	<b>M</b>		
0065    Message type	M an..6	<b>M</b>	*	DESADV = Despatch advice message
0052    Message version number	M an..3	<b>M</b>	*	D = Draft version/UN/EDIFACT Directory
0054    Message release number	M an..3	<b>M</b>	*	01B = Release 2001 - B
0051    Controlling agency	M an..2	<b>M</b>	*	UN = UN/CEFACT
0057    Association assigned code	C an..6	<b>R</b>	*	EAN007 = EAN version control number (EAN Code)
<b>0068    Common access reference</b>	C an..35	<b>N</b>		
<b>S010    Status of the transfer</b>	C	<b>N</b>		
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 : 4				
Data element group/Data element	EDIFACT	ANW	*	Description
<b>C002 Document/message name</b>	C	<b>R</b>		
1001 Document name code	C an..3	<b>R</b>	*	351 = Despatch advice
1131 Code list identification code	C an..17	<b>N</b>		
3055 Code list responsible agency code	C an..3	<b>N</b>		
1000 Document name	C an..35	<b>O</b>	*	NON = No order number
<b>C106 Document/message identification</b>	C	<b>R</b>		
1004 Document identifier	C an..35	<b>R</b>		Despatch Advice number assigned by the document sender.
1056 Version identifier	C an..9	<b>N</b>		
1060 Revision identifier	C an..6	<b>N</b>		
<b>1225 Message function code</b>	C an..3	<b>R</b>	*	9 = Original
<b>4343 Response type code</b>	C an..3	<b>N</b>		
<u>Segment notes:</u>				
- Message type - Despatch advice (DE1001 = 351); Mandatory; A/N 3				
- Qualifier "No order number" (DE1000 = NON) ; Optional; A/N 3				
- Despatch Advice number (DE1004); Mandatory; A/N 16				
BGM+351+8090+9'				
DE1004: This data element is used to transmit the number of the Despatch Advice (DESADV).				
DE1000: In the common case the order number is represented in all following messages as a reference number (see RFF - Segment). However it is possible that no order with order number precede the DESADV. In this case the qualifier NON = No order Number should be sent.				

DTM - M                    2- Date/time/period				
Function                    :                    To specify date, and/or time, or period.				
Segment number        :                    5				
Data element group/Data element	EDIFACT	ANW	*	Description
<b>C507    Date/time/period</b>	<b>M</b>	<b>M</b>		
2005    Date or time or period function code qualifier	M an..3	<b>M</b>	*	137 = Document/message date/time 17 = Delivery date/time, estimated
2380    Date or time or period value	C an..35	<b>R</b>		
2379    Date or time or period format code	C an..3	<b>R</b>	*	102 = JJJJMMTT
<u>Segment notes:</u>				
- Message date (DE2005 = 137); Mandatory; D 8 DTM+137:20050322:102'				
- Delivery date (DE2005 = 17); Mandatory; D 8 DTM+17:20050425:102'				

SG1	- M	3	- RFF-DTM		
RFF	- M	1	- Reference		
Function	:		To specify a reference.		
Segment number	:	6			
Data element group/Data element	EDIFACT	ANW	*	Description	
<b>C506 Reference</b>	<b>M</b>	<b>M</b>			
1153 Reference code qualifier	M an..3	<b>M</b>	*	ON = Order number DQ = Delivery note number XC1 = Product certification number (EAN Code)	
1154 Reference identifier	C an..70	<b>R</b>			
1156 Document line identifier	C an..6	<b>N</b>			
4000 Reference version identifier	C an..35	<b>N</b>			
1060 Revision identifier	C an..6	<b>N</b>			
<u>Segment notes:</u>					
- Order number (DE1153 = ON); Optional; A/N 16 RFF+ON:234'					
If no order number and no order date is assigned, in the BGM Segment, DE 1000 qualifier NON should be sent! RFF-DTM Segment is not used.					
If no order number is assigned but only an order date this date can also be used as an order reference. In this case it is necessary to put the qualifier NON once in the BGM DE1000 and again in the RFF DE1154 instead of an order number. In the RFF segment serves qualifier NON only as a placeholder as the workaround has been already triggered in the BGM segment.					
BGM+351+:::NON+200099+9' ..... RFF+ON:NON' DTM+171:20022009:102'					
- Delivery note number (DE1153 = DQ); Mandatory; A/N 16 RFF+DQ:987'					
- Organic control number (DE1153 = XC1); Optional; A/N 35 RFF+XC1:AT-N-01-BIO'					



SG1 - M		3 - RFF-DTM			
DTM - C		1 - Date/time/period			
Function :		To specify date, and/or time, or period.			
Segment number :		7			
Data element group/Data element	EDIFACT	ANW	*	Description	
<b>C507 Date/time/period</b>	<b>M</b>	<b>M</b>			
2005 Date or time or period function code qualifier	M an..3	<b>M</b>	*	171 = Reference date/time	
2380 Date or time or period value	C an..35	<b>R</b>			
2379 Date or time or period format code	C an..3	<b>R</b>	*	102 = CCYYMMDD	
<b>Segment notes:</b>					
- Reference date (DE2005 = 171); Optional; D 8 DTM+171:20050320:102'					

SG2 - M	5 - NAD-SG3			
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 :	8			
Data element group/Data element	EDIFACT	ANW	*	Description
<b>3035 Party function code qualifier</b>	M an..3	<b>M</b>	*	BY = Buyer SU = Supplier DP = Delivery party OB = Ordered by IV = Invoicee
<b>C082 Party identification details</b>	C	<b>D</b>		
3039 Party identifier	M an..35	<b>M</b>		GLN resp. SekID (public administration) (n 13)
1131 Code list identification code	C an..17	<b>N</b>		
3055 Code list responsible agency code	C an..3	<b>R</b>	*	9 = EAN (International Article Numbering Association)
<b>C058 Name and address</b>	C	<b>N</b>		
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			
<b>C080 Party name</b>	C	<b>N</b>		
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			
<b>C059 Street</b>	C	<b>N</b>		
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			
<b>3164 City name</b>	C an..35	<b>N</b>		
<b>C819 Country sub-entity details</b>	C	<b>N</b>		
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			
3228 Country sub-entity name	C an..70			

Data element group/Data element	EDIFACT	ANW	*	Description
<b>3251 Postal identification code</b>	C an..17	N		
<b>3207 Country name code</b>	C an..3	N		
<p><u>Segment notes:</u></p> <p>- Buyer (DE3035 = BY); Mandatory; N 13 NAD+BY+9012345000004::9'</p> <p>- Supplier (DE3035 = SU); Mandatory; N 13 NAD+SU+9012345000011::9'</p> <p>- Delivery party (DE3035 = DP); Optional; N 13 NAD+DP+9012345000028::9'</p> <p>If no GLN is assigned to the Delivery party, then Delivery party should be indentified in the following RFF - Segment via the internal supplier number: NAD+DP' RFF+YC1:12345'</p> <p>- Ordered by (DE3035 = OB); Optional; N 13 NAD+OB+9012345000028::9'</p> <p>- Invoicee (DE3035 = IV); Optional; N 13 NAD+IV+9099999300414::9'</p> <p>DE 3039: For partner identification use exclusively the GLN.</p>				

SG2 - M	5 - NAD-SG3			
SG3 - C	1 - RFF			
RFF - M	1 - Reference			
Function :	To specify a reference.			
Segment number :	9			
Data element group/Data element	EDIFACT	ANW	*	Description
<b>C506 Reference</b>	<b>M</b>	<b>M</b>		
1153 Reference code qualifier	M an..3	<b>M</b>	*	YC1 = Additional party identification (EAN Code)
1154 Reference identifier	M an..70	<b>M</b>		
1156 Document line identifier	N an..6	<b>N</b>		
4000 Reference version identifier	N an..35	<b>N</b>		
1060 Revision identifier	N an..6	<b>N</b>		
<u>Segment notes:</u>				
- Internal Supplier Number (only in connection with NAD+DP-Delivery party); Optional; A/N 20 RFF+YC1:12345'				

SG10 - M		1 - CPS-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 :		10		
Data element group/Data element	EDIFACT	ANW	*	Description
<b>7164 Hierarchical structure level identifier</b>	M an..35	<b>M</b>		Sequential numbering required.
<b>7166 Hierarchical structure parent identifier</b>	C an..35	<b>D</b>		
<b>7075 Packaging level code</b>	C an..3	<b>N</b>		
<u>Segment notes:</u>				
The CPS-Segment serves as a trigger for the detail section. It identifies here the complete delivery.				
See the example at the end of this document.				
Example:				
CPS+1'				

SG10 - M                    1 - CPS-SG17				
SG17 - M                    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        :    11				
Data element group/Data element	EDIFACT	ANW	*	Description
<b>1082 Line item identifier</b>	C an..6	<b>R</b>		Application generated number of the item lines within the Despatch Advice. The number must be unique and ascending within message.
<b>1229 Action request/notification description code</b>	C an..3	<b>N</b>		
<b>C212 Item number identification</b>	C	<b>D</b>		Format n..14, EAN/GTIN - this is the number of the article being despatched.
7140 Item identifier	C an..35	<b>R</b>		
7143 Item type identification code	C an..3	<b>R</b>	*	SRV = EAN.UCC Global Trade Item Number
1131 Code list identification code	C an..17	<b>N</b>		
3055 Code list responsible agency code	C an..3	<b>N</b>		
<b>C829 Sub-line information</b>	C	<b>N</b>		
5495 Sub-line indicator code	C an..3	<b>N</b>		
1082 Line item identifier	C an..6	<b>N</b>		
<b>1222 Configuration level number</b>	C n..2	<b>N</b>		
<b>7083 Configuration operation code</b>	C an..3	<b>N</b>		
<u>Segment notes:</u>				
- Article identification by EAN (DE7140); Mandatory; N 14 LIN+1++9054321444441:SRV'				

SG10 - M		1 - CPS-SG17	
SG17 - M		9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22	
PIA - C		4- Additional product id	
Function : To specify additional or substitutional item identification codes.			
Segment number : 12			
Data element group/Data element	EDIFACT	ANW	* Description
<b>4347 Product identifier code qualifier</b>	M an..3	<b>M</b>	*
<b>C212 Item number identification</b>	M	<b>M</b>	
7140 Item identifier	M an..35	<b>M</b>	
7143 Item type identification code	M an..3	<b>M</b>	*
			1 = Additional identification 5 = Product identification 4 = Substituted for
1131 Code list identification code	N an..17	<b>N</b>	
3055 Code list responsible agency code	N an..3	<b>N</b>	
<b>C212 Item number identification</b>	N	<b>N</b>	
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		
<b>C212 Item number identification</b>	N	<b>N</b>	
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		
<b>C212 Item number identification</b>	N	<b>N</b>	
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		
<b>C212 Item number identification</b>	N	<b>N</b>	
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		
<u>Segment notes:</u>			
- Additional product identification (DE7140 = 1); Supplier's article number (DE7143=SA) Optional; A/N 35 PIA+1+ABF5682:SA'			

-Additional product identification (DE4347 = 1); Buyer's item number (DE7143=IN) Optional; A/N 35  
PIA+1+ABF5682:IN'

- Product identification; Mandatory \*); A/N 35  
PIA+5+9438444:SA'

- Product group number/industry product classification code of the ordering party (DE7143 = GD); Optional; A/N 10  
For example: Code for performance description of food products provided by the Austrian Army.  
PIA+1+9383839:GD'

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

or

PIA+4+39383:SA'

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.

\*) When no GTIN has been provided in the LIN segment, the article should be identified via the Supplier's article number!



SG10 - M	1 - CPS-SG17			
SG17 - M	9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22			
IMD - C	6 - Item description			
Function :	To describe an item in either an industry or free format.			
Segment number :	13			
Data element group/Data element	EDIFACT	ANW	*	Description
<b>7077 Description format code</b>	C an..3	<b>M</b>	*	A Free-form long description C = Code (from industry code list) B = Code and text
<b>C272 Item characteristic</b>	C	<b>D</b>		
7081 Item characteristic code	C an..3	<b>R</b>	*	SCT = Scientific name (Latin name)
1131 Code list identification code	C an..17	<b>N</b>		
3055 Code list responsible agency code	C an..3	<b>R</b>	*	9 = GS1
<b>C273 Item description</b>	C	<b>M</b>		
7009 Item description code	C an..17	<b>D</b>	*	BIO = Organic product VQ = Variable quantity product (EAN Code) RC = Returnable container (EAN Code) PROVENANCE = Place of provenance (CCG-Code) LAU = Scientific name (Latin name) coded according to FAO
1131 Code list identification code	C an..17	<b>N</b>		
3055 Code list responsible agency code	C an..3	<b>D</b>	*	294 = GS1 Austria 9 = EAN (International Article Numbering Association) 246 = GS1 Germany Code 246 must be set if the DE7009 is transmitted with a CCG code!
7008 Item description	C an..256	<b>D</b>		
7008 Item description	C an..256	<b>O</b>		
3453 Language name code	C an..3	<b>D</b>		DE = German
<b>7383 Surface or layer code</b>	C an..3	<b>N</b>		
<u>Segment notes:</u>				
- Product description (free text) (DE7008); Optional; A/N 70 IMD+A+++::ARTIKELTEXT1'				
- Indicator for organic products (DE7009 = BIO); Optional; A/N 3 IMD+C++BIO::294'				
- Indicator for variable quantity products (DE7009=VQ); Optional; A/N 3 IMD+C++VQ::9'				
-Indicator for returnable containers (DE7009=RC); Optional; A/N 3 IMD+C++RC::9'				
- Place of provenance/ name (EU-LMIV) 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 the case of inland fisheries (see production method i FTX), the indication of the waters of origin has to be given here (see attachment for example of "fish").				

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

-Fish and seafood: Scientific name (Latin name), coded (IMD / DE7077 = B; DE7081 = SCT; DE3055 = 9; DE7009 = scientific name coded according to FAO 3-alpha; 7008 = Latin name in textform; see GS1 Sync code list:

FishAndSeafoodSpeciesForFisheryStatisticsPurposesCod ; Optional A/N 17 for DE7081 and A / N 2x256 for DE7008

IMD+B+SCT::9+ LAU::: Petromyzon marinus'

SG10 - M                    1 - CPS-SG17				
SG17 - M                    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        :    14				
Data element group/Data element	EDIFACT	ANW	*	Description
<b>6311 Measurement purpose code qualifier</b>	M an..3	<b>M</b>	*	ABW = Unit of measure used for invoiced quantities
<b>C502 Measurement details</b>	C	<b>M</b>		
6313 Measured attribute code	C an..3	<b>M</b>	*	AAL = Net weight
6321 Measurement significance code	C an..3	<b>N</b>		
6155 Non-discrete measurement name code	C an..17	<b>N</b>		
6154 Non-discrete measurement name	C an..70	<b>N</b>		
<b>C174 Value/range</b>	C	<b>M</b>		
6411 Measurement unit code	M an..3	<b>M</b>		KGM = Kilogram
6314 Measurement value	C an..18	<b>M</b>		
6162 Range minimum value	C n..18	<b>N</b>		
6152 Range maximum value	C n..18	<b>N</b>		
6432 Significant digits quantity	C n..2	<b>N</b>		
<b>7383 Surface or layer code</b>	C an..3	<b>N</b>		
<u>Segment notes:</u>				
This segment is used to provide the delivered quantity in units of measure for invoicing in case of variable quantity products.				
This data element should be used always together with the qualifier 12 in the QTY segment.				
- Delivered quantity in units of measure for invoicing (DE6311 = ABW and DE6313 = AAL); Optional, N 7+3				
MEA+ABW+AAL+KGM:22.4'				
Example: Cheese is ordered and delivered as a loaf resp. piece, but is invoiced in kilogram.				

SG10 - M	1 - CPS-SG17			
SG17 - M	9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22			
QTY - M	3- Quantity			
Function :	To specify a pertinent quantity.			
Segment number :	15			
Data element group/Data element	EDIFACT	ANW	*	Description
<b>C186 Quantity details</b>	M	<b>M</b>		
6063 Quantity type code qualifier	M an..3	<b>M</b>	*	12 = Despatch quantity 59 = Number of consumer units in the traded unit 192 = Free goods quantity
6060 Quantity	M an..35	<b>M</b>		
6411 Measurement unit code	C an..3	<b>O</b>		KGM = Kilogram PCE = Piece (EAN Code)
<u>Segment notes:</u>				
- Despatch quantity (DE6063 = 12); Mandatory; N 7+3 QTY+12:350'				
- Number of consumer units in the traded unit (DE6063 =59); Mandatory; N 7+3 This Qualifier is used to indicate the contained consumer articles especially in the case when the same article number is used for a Base item (Original article = single unit) and also for a packaging item (e.g. 6-pack, carton etc.). It is important that the whole packaging hierarchy (base item and all packaging units) will be exchanged in the PRICAT message!				
Example: <b>if one and the same GTIN is assigned for the packaging hierarchy:</b> LIN+1+++9012345000103:SRV' QTY+21:5' 5 articles are ordered. QTY+59:3' Qualifier 59 indicates the number of consumer units in one traded or ordered unit. In this case the order unit consists of 3 articles that mean 5 packages are ordered with 15 (5x3) Base item or Original articles.				
<b>If the single article will be ordered:</b> LIN+1+++9012345000103:SRV' Same article number! QTY+21:5' 5 articles are ordered. QTY+59:1' Quantity 1 indicates that ordered quantity refers to a Base item or Original article!				
- Free goods quantity (DE6063 = 192); Optional; N 7+3 QTY+192:100'				
<b><u>Continuous mapping of ordered quantity respectively specification of discount in kind (free goods quantity)</u></b>				
<b>ORDERS variant – Order representing only ordered quantity</b> This variant is applied when there is only an ordered quantity without a specified discount in kind to it in the terms of delivery (item master data). Only the ordered quantity is transmitted, without any free quantity. It has therefore no additional effect on the subsequent messages /processes because the represented quantity in this case is the quantity which is ordered, delivered and invoiced. Example: A position of ORDERS representing an order in an EDI message is shown below:  LIN+1+++9012345000001:SRV' PIA+1+123456:SA' IMD+A+:::Product name' QTY+21:10' (10 Pieces are ordered and invoiced) QTY+59:1' (Number of consumer units in the traded unit)				
<b>ORDERS variant – Order representing ordered quantity and discount in kind (free goods quantity)</b>				

In this variant additionally to the ordered quantity also a discount in kind (for free goods quantity) is set in the terms of delivery (item master data).

Example: When there is a designated ordered quantity of 10 pieces then there is also a free goods quantity of 2 pieces. These 12 pieces in total must be specified in the order and in all subsequent messages / processes to ensure the continuity. The Gastro Austria working group agreed that the specification of free goods quantity should be sent in a separate position next to the ordered quantity. With this approach the variations in quantity can be displayed and communicated clearly also in the following processes. However it is necessary to remark that the quantity in the DESADV relates to the quantity delivered. Therefore the free goods quantity is also included in this quantity. The example below shows a position of an ORDERS representing an order including free goods quantity in an EDI message :

```

LIN+1++9012345000001:SRV'
PIA+1+123456:SA'
IMD+A+++::Product name'
QTY+21:10' (10 Pieces are ordered and invoiced)
QTY+59:1' (Number of consumer units in the traded unit)

```

```

LIN+2++9012345000001:SRV'
PIA+1+123456:SA'
IMD+A+++::Product name'
QTY+192:2' (2 Pieces are ordered but not invoiced)
QTY+59:1' (Number of consumer units in the traded unit)

```

#### **DESADV variant – delivery quantity and free goods quantity**

This continuity is given in all subsequent messages. However, please note that the indication of the quantity in the DESADV / ORDRSP / INVOIC messages is not completely the same as in ORDERS message.

The reason is that in the subsequent messages the delivered / accepted / billed quantity is represented.

For example, free goods in the DESADV are displayed as follows:

```

LIN+1++9012345000001:SRV'
PIA+1+123456:SA'
IMD+A+++::Product name'
QTY+12:10' (10 Pieces are ordered and invoiced)
QTY+59:1' (Number of consumer units in the traded unit)

```

```

LIN+2++9012345000001:SRV'
PIA+1+123456:SA'
IMD+A+++::Product name'
QTY+192:2' (2 Pieces are ordered but not invoiced)
QTY+59:1' (Number of consumer units in the traded unit)

```

#### **INVOIC variant – invoiced quantity and free goods quantity**

10 pieces have been ordered, and as a bonus 2 pieces were included in the form of free goods, which are not invoiced.

```

LIN+1++9012345000001:SRV'
PIA+1+123456:SA'
IMD+A+++::Product name'
QTY+47:10' (10 Pieces are ordered and invoiced)
QTY+59:1' (Number of consumer units in the traded unit)

```

```

LIN+2++9012345000001:SRV'

```

PIA+1+123456:SA'  
IMD+A++:::Product name'  
QTY+192:2' (2 Pieces are ordered but not invoiced)  
QTY+59:1' (Number of consumer units in the traded unit)

SG10 - M	1 - CPS-SG17			
SG17 - M	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 :	16			
Data element group/Data element	EDIFACT	ANW	*	Description
<b>3239 Country of origin name code</b>	C an..3	<b>M</b>		ISO 3166 2-alpha Code AT = AUSTRIA EU = EU (EAN Code)
<b>9213 Duty regime type code</b>	C an..3	<b>N</b>		
<b>4183 Special condition code</b>	C an..3	<b>N</b>		
<b>4183 Special condition code</b>	C an..3	<b>N</b>		
<b>4183 Special condition code</b>	C an..3	<b>N</b>		
<b>4183 Special condition code</b>	C an..3	<b>N</b>		
<b>4183 Special condition code</b>	C an..3	<b>N</b>		
<u>Segment notes:</u>				
Indication of country of origin (EU-LMIV); 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                    1 - CPS-SG17				
SG17 - M                    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        :                    17				
Data element group/Data element	EDIFACT	ANW	*	Description
<b>C507    Date/time/period</b>	M	<b>M</b>		
2005    Date or time or period function code qualifier	M an..3	<b>M</b>	*	94 = Production/manufacture date
2380    Date or time or period value	C an..35	<b>R</b>		
2379    Date or time or period format code	C an..3	<b>R</b>	*	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	1 - CPS-SG17				
SG17 - M	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	: 18				
Data element group/Data element	EDIFACT	ANW	*	Description	
<b>4451 Text subject code qualifier</b>	M an..3	<b>M</b>	*	QQD = Quality demands/requirements PRD = Product information TXD = Tax declaration	
<b>4453 Free text function code</b>	C an..3	<b>N</b>			
<b>C107 Text reference</b>	C	<b>M</b>			
4441 Free text value code	M an..17	<b>M</b>	*	LABELS = Label information CATCHMETHOD = Catch method CATCHAREA = Catch area PRODUCTIONMETHOD = Production methode TAX = VAT declaration	
1131 Code list identification code	C an..17	<b>N</b>			
3055 Code list responsible agency code	C an..3	<b>M</b>	*	294 = GS1 Austria	
<b>C108 Text literal</b>	C	<b>M</b>			
4440 Free text value	M an..512	<b>M</b>			
4440 Free text value	C an..512	<b>O</b>			
4440 Free text value	C an..512	<b>O</b>			
4440 Free text value	C an..512	<b>O</b>			
4440 Free text value	C an..512	<b>O</b>			
<b>3453 Language name code</b>	C an..3	<b>N</b>			
<b>4447 Free text format code</b>	C an..3	<b>N</b>			
<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: Produktionsmethode, codiert (DE4451 = PRD; DE4441 = PRODUCTIONMETHOD; DE3055 = 294; 4440 = Code; Siehe GS1 Sync Codeliste: 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'					

-VAT-TAX rate information in percent (DE4451 = TXD; DE441 = TAX; DE3055 = 294; 4440 =  
Percentage, N 2+2  
FTX+TXD++TAX::294+20.00'

SG10 - M                    1 - CPS-SG17				
SG17 - M                    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        :    19				
Data element group/Data element	EDIFACT	ANW	*	Description
<b>C516    Monetary amount</b>	<b>M</b>	<b>M</b>		
5025    Monetary amount type code qualifier	M an..3	<b>M</b>	*	X33 = Calculation basis excluding all taxes (EAN Code)
5004    Monetary amount	C n..35	<b>R</b>		
6345    Currency identification code	C an..3	<b>R</b>	*	ISO 4217 3-Alpha, see the code list
6343    Currency type code qualifier	C an..3	<b>N</b>		
4405    Status description code	C an..3	<b>N</b>		
<u>Segment notes:</u>				
- Net price excluding VAT (DE5004); Optional; N 7+4 MOA+X33:2.3:EUR'				
At GASTRO the price is generally on the smallest unit, relative to the PRICAT! Therefore the price is also communicated on this unit regardless of the hierarchical level.				
Therefore the "non communicated" position value always results from the quantity (QTY or MEA for variable quantity goods) multiplied by the price (for DESADV: MOA + X33!) and multiplied by the quantity indicator (QTY + 59)!				

SG10 - M	1 - CPS-SG17			
SG17 - M	9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22			
SG18 - C	1 - RFF-DTM			
RFF - M	1 - Reference			
Function :	To specify a reference.			
Segment number :	20			
Data element group/Data element	EDIFACT	ANW	*	Description
<b>C506 Reference</b>	<b>M</b>	<b>M</b>		
1153 Reference code qualifier	M an..3	<b>M</b>	*	ON = Order number (buyer)
1154 Reference identifier	C an..70	<b>M</b>		
1156 Document line identifier	C an..6	<b>D</b>		Line number from the Order (Buyer)
4000 Reference version identifier	C an..35	<b>N</b>		
1060 Revision identifier	C an..6	<b>N</b>		
<u>Segment notes:</u>				
This segment is used when in the DESADV more than one order number need to be refered respectively when there is a reference to a line number from the order (=same order number as on header level).				
- Order number respectively reference to a position from the Order (DE1153=ON), Optional; A/N 35 RFF+ON:ABF1254:3'				

SG10 - M                    1 - CPS-SG17				
SG17 - M                    9999 - LIN-PIA-IMD-MEA-QTY-ALI-DTM-FTX-MOA-SG18-SG22				
SG18 - C                    1 - RFF-DTM				
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
<b>C507    Date/time/period</b>	M	<b>M</b>		
2005    Date or time or period function code qualifier	M an..3	<b>M</b>	*	171 = Reference date/time
2380    Date or time or period value	C an..35	<b>R</b>		
2379    Date or time or period format code	C an..3	<b>M</b>	*	102 = CCYYMMDD
<u>Segment notes:</u>				
- Order date; Optional; D 8 DTM+171:20130101:102'				

SG10 - M	1 - CPS-SG17			
SG17 - M	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 :	22			
Data element group/Data element	EDIFACT	ANW	*	Description
<b>4233 Marking instructions code</b>	C an..3	<b>R</b>	*	36E = Marked with batch number (EAN Code) 38E = Marked with expiry date (EAN Code) 39E = Marked with best before date (EAN Code)
<b>C210 Marks &amp; labels</b>	C	<b>N</b>		
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			
7102 Shipping marks description	C an..35			
<b>8275 Container or package contents indicator code</b>	C an..3	<b>N</b>		
<b>C827 Type of marking</b>	C	<b>N</b>		
7511 Marking type code	M an..3			
1131 Code list identification code	C an..17			
3055 Code list responsible agency code	C an..3			
<b>Segment notes:</b>				
This PCI Segment is a trigger for the segments that provide information about batch number, best before date and expiry date.				
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'				

SG10 - M	1 - CPS-SG17			
SG17 - M	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 :	23			
Data element group/Data element	EDIFACT	ANW	*	Description
<b>C507 Date/time/period</b>	<b>M</b>	<b>M</b>		
2005 Date or time or period function code qualifier	M an..3	<b>M</b>	*	361 = Best before date 36 = Expiry date
2380 Date or time or period value	C an..35	<b>R</b>		
2379 Date or time or period format code	C an..3	<b>R</b>	*	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'				

SG10 - M	1 - CPS-SG17			
SG17 - M	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 :	24			
Data element group/Data element	EDIFACT	ANW	*	Description
<b>7405 Object identification code qualifier</b>	M an..3	<b>M</b>	*	BX = Batch number
<b>C208 Identity number range</b>	M	<b>M</b>		
7402 Object identifier	M an..35	<b>M</b>		
7402 Object identifier	C an..35	<b>N</b>		
<b>C208 Identity number range</b>	C	<b>N</b>		
7402 Object identifier	M an..35			
7402 Object identifier	C an..35			
<b>C208 Identity number range</b>	C	<b>N</b>		
7402 Object identifier	M an..35			
7402 Object identifier	C an..35			
<b>C208 Identity number range</b>	C	<b>N</b>		
7402 Object identifier	M an..35			
7402 Object identifier	C an..35			
<b>C208 Identity number range</b>	C	<b>N</b>		
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        :    25				
Data element group/Data element	EDIFACT	ANW	*	Description
<b>0074    Number of segments in the message</b>	M n..6	<b>M</b>		Sum of all segments
<b>0062    Message reference number</b>	M an..14	<b>M</b>		Reference number from the UNH-Segment is to be repeated here.
<u>Segment notes:</u>				
This segment is a mandatory UN/EDIFACT segment.				
Example: UNT+35+ME000001'				

UNZ - M 1 - Interchange trailer				
Function : To end and check the completeness of an interchange.				
Segment number : 26				
Data element group/Data element	EDIFACT	ANW	*	Description
<b>0036 Interchange control count</b>	M n..6	<b>M</b>		Number of messages or functional groups within an interchange.
<b>0020 Interchange control reference</b>	M an..14	<b>M</b>		Identical to DE 0020 in UNB segment.
<u>Segment notes:</u>				
This segment is used to provide the trailer of an interchange.				
DE 0036: If functional groups are used, this is the number of functional groups within the interchange. If functional groups are not used, this is the number of messages within the interchange.				
Example: UNZ+5+12345555'				

**EXAMPLE:**

EANCOM	Description
UNB+UNOA:3+5412345678908:14+8798765432106:14+020102:1000+12345555'	Interchange Header
UNH+ME000001+DESADV:D:01B:UN:EAN007'	Message Header
BGM+351+93438+9'	Message type and message number
DTM+137:20091010:102'	Message date
DTM+17:20091011:102'	Delivery date
RFF+ON:393'	Order number reference
DTM+171:20091005:102'	Order date
RFF+DQ:948422'	Delivery note number
NAD+BY+9012345000004::9'	Buyer
NAD+SU+9012345000011::9'	Supplier
NAD+DP+9012345000028::9'	Delivery party
NAD+OB+9012345000028::9'	Ordered by
NAD+IV+9099999300414::9'	Invoicee
CPS+1'	Trigger for the detail section
LIN+1+++9054321444448:SRV'	1. Article

PIA+1+ABF5682:SA'	Additional supplier's internal number
PIA+4+9099999300432:SRV'	The item number of the primarily ordered item
PIA+1+9383839:GD'	Product group number/industry product classification code of the ordering party
IMD+C++VQ::9'	Indicator for variable quantity products
MEA+ABW+AAL+KGM:43.6'	Delivered quantity in units of measure for invoicing
QTY+12:50'	Delivered quantity
QTY+59:1'	Number of consumer units is set to 1, because we have here an "Original article"
QTY+192:2'	Free goods quantity
RFF+ON:ABF1254:3'	Order number
DTM+171:20130101:102'	Order date
PCI+36E'	Trigger for providing batch number
GIN+BX+9905'	Batch number
PCI+39E'	Trigger for providing Best before date
DTM+361:20060404:102'	Best before date
PCI+38E'	Trigger for providing Expiry date
DTM+36:20060708:102'	Expiry date
LIN+2'	2. Article (without GTIN)
PIA+5+39393:SA'	Position identification by supplier's internal number that is used in more than one hierarchy. This position is an „Original article“, respectively a „Base article“, that's why in the following QTY-Segment the quantity is set to 1.
PIA+1+9383839:GD'	Product group number/industry product classification code of the ordering party
IMD+C++BIO::294'	BIO indicator
QTY+12:20'	Delivered quantity
QTY+59:1'	Number of consumer units is set to 1, because we have here an "Original article"
MOA+X33:2.3:EUR'	Net price excluding VAT
UNT+38+ME000001'	Message Trailer
UNZ+1+12345555'	Interchange Trailer

## Attachment:

### 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.

Attribute/ Category	Specification for „MARINE_FISHERY“	Specification for „INLAND_FISHERY“	Specification for „AQUACULTURE“
Production method Fish	<b>MARINE_FISHERY</b>	<b>INLAND_FISHERY</b>	<b>AQUACULTURE</b>
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 code or 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_	Production method Fish
FISHERY'	
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_F	Production method Fish
ISHERY'	
FTX+PRD++CATCHMETHOD::294+LX'	Catch method

**3) Aquakultur**

LIN...	
MEA+ABW+AAL+KGM:xxxxx'	For variable quantity product (KG-) article
QTY...	
ALI+AT'	Country of origin
FTX+PRD++PRODUCTIONMETHOD::294+AQUACUL	Production method Fish
TURE'	