



REWE INTERNATIONAL STANDARD

INVOIC – Commercial invoice
without a consolidated paper Invoice according
to new legislation from 01.1.2013

Definition
EANCOM 2002 Syntax 3

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Changes to the version 1.0:

segment group/segment	data element	old value	new value	note
FTX	C107/4441			Qualifier TRT (=supply of goods under the simplified triangular regime) added at header level.

Changes to the version 1.1:

segment group/segment	data element	old value	new value	note
SG26/IMD	C273/7009			Qualifier NRC (=non-returnable container) and a note on the display of the non-returnable containers have been added . A standardised EAN/GTIN 9010945000011 for all non-returnable containers (= single-use PET bottles and aluminium cans) has also been added .

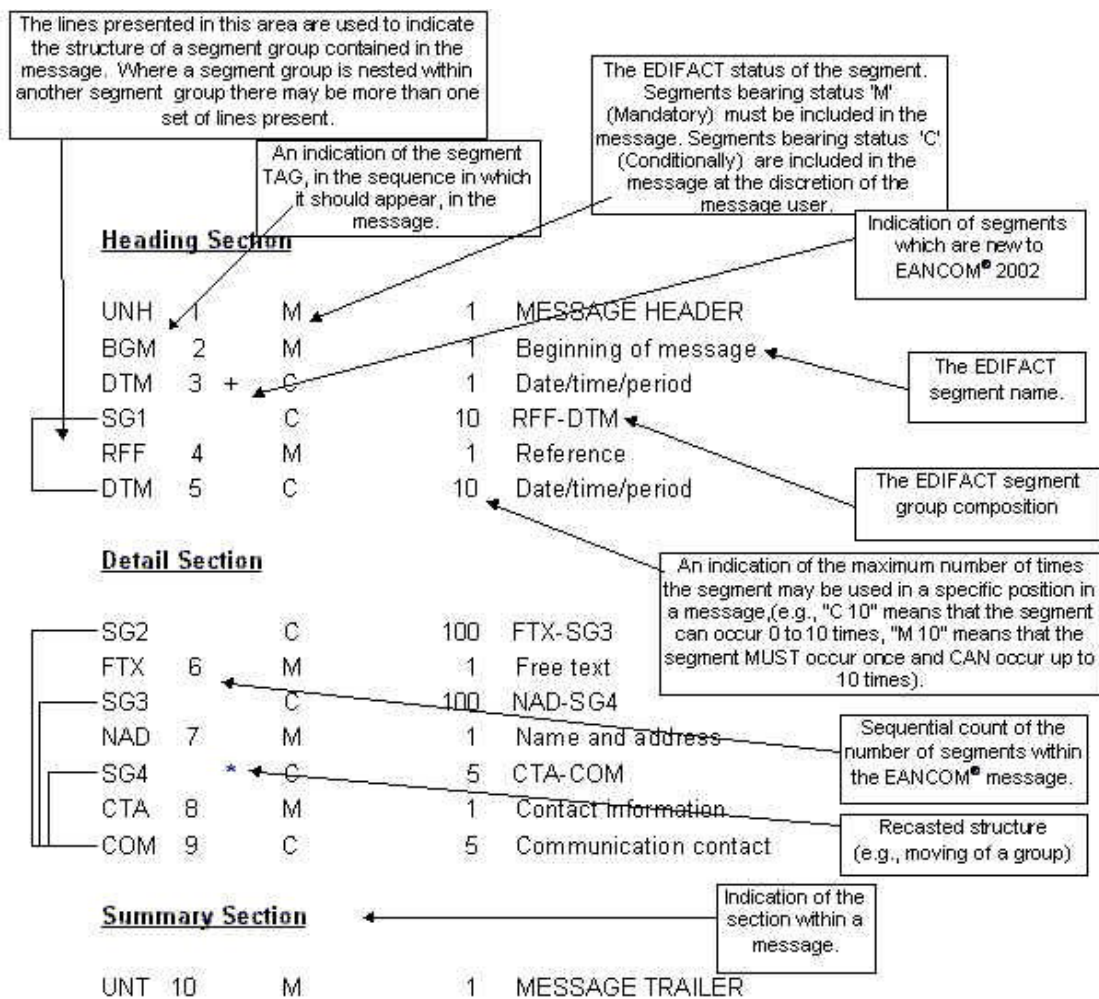
Document structure

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:



1. Message structure INVOIC

Invoice message

UNA	1	C	1	Service string advice
UNB	2	M	1	Interchange header
UNH	3	M	1	Message header
BGM	4	M	1	Beginning of message
DTM	5	M	2	Data/time/period
FTX	6	C	8	Free text
SG1		M	6	RFF-DTM
RFF	7	M	1	Reference
DTM	8	C	1	Data/time/period
SG2		M	7	NAD-SG3
NAD	9	M	1	Name und address
SG3		M	1	RFF
RFF	10	M	1	Reference
SG7		M	1	CUX
CUX	11	M	1	Currencies
SG26		M	999999	LIN-IMD-QTY-SG27-SG29-SG34
LIN	12	M	1	Line item
IMD	13	M	4	Item description
QTY	14	M	2	Quantity
SG27		M	1	MOA
MOA	15	M	1	Monetary amount
SG29		M	2	PRI
PRI	16	M	1	Price details
SG34		M	3	TAX-MOA
TAX	17	M	1	Duty/tax/free details
MOA	18	C	1	Monetary amount
UNS	19	M	1	Section control
SG50		M	5	MOA
MOA	20	M	1	Monetary amount
SG52		M	10	TAX-MOA
TAX	21	M	1	Duty/tax/free details
MOA	22	M	9	Monetary amount
UNT	23	M	1	Message trailer
UNZ	24	M	1	Message trailer

2. BUSINESS TERMS

Business term	Description	Status	Format	Segment		Data element	
Commercial invoice/credit note		M	A/N 3		BGM	C002 1001	Document name code
Invoice or credit note number		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
Tax reduction reason	The segment FTX is mandatory for tax reduction reason, in case of invoices without a consolidated paper invoice	O	A/N 5		FTX	C107 4441	Free text value code
Tax exemption in text form		O	A/N 512		FTX	C108 4440	Free text value
Order number assigned by the buyer		M	A/N 16	SG1	RFF	C506 1154	Reference identifier
Delivery note number		M	A/N 16	SG1	RFF	C506 1154	Reference identifier
Invoice number	Invoice reference number (only by credit note)	O	A/N 16	SG1	RFF	C506 1154	Reference identifier
Receiving advice number		O	A/N 16	SG1	RFF	C506 1154	Reference identifier
Instruction for returns number		O	A/N 16	SG1	RFF	C506 1154	Reference identifier
Organic control number	Organic control number of the supplier	O	A/N 35	SG1	RFF	C506 1154	Reference identifier
Reference date		O	D8	SG1	DTM	C507 2380	Date or time or period value

Business term	Description	Status	Format	Segment		Data element		
Buyer	GLN+text	M	N 13	SG2	NAD	C082	3039	Party identifier
Supplier	GLN+text	M	N 13	SG2	NAD	C082	3039	Party identifier
Delivery party	GLN+text (optional)	M	N 13	SG2	NAD	C082	3039	Party identifier
Ultimate consignee	GLN, only if not identical with the delivery party (Cross-Docking)	K	N 13	SG2	NAD	C082	3039	Party identifier
Ordered by	GLN, only if not identical with the buyer	O	N 13	SG2	NAD	C082	3039	Party identifier
Invoicee	GLN, only if not identical with the buyer	O	N 13	SG2	NAD	C082	3039	Party identifier
Issuer of invoice	GLN, only if not identical with the supplier	K	N 13	SG2	NAD	C082	3039	Party identifier
Company name	Mandatory for SU,BY, II and IV by INVOIC without a consolidated paper invoice; Optional for DP	M	A/N 3X35	SG2	NAD	C080	3036	Party name
Street	Mandatory for SU,BY, II and IV by INVOIC without a consolidated paper invoice; Optional for DP	M	A/N 2X35	SG2	NAD	C059	3042	Street and number or post office b
City	Mandatory for SU,BY, II and IV by INVOIC without a consolidated paper invoice; Optional for DP	M	A/N 35	SG2	NAD		3164	City name
Postal code	Mandatory for SU,BY, II and IV by INVOIC without a consolidated paper invoice; Optional for DP	M	A/N 17	SG2	NAD		3251	Postal identification code

Business term	Description	Status	Format	Segment	Data element	
Country name code		O	A/N 3	SG2 NAD	3207 Country name code	
VAT registration number	Mandatory for SU,BY, II and IV by INVOIC without a consolidated paper invoice	M	A/N 20	SG3 RFF	C506 1154 Reference identifier	
Currency		M	A/N 3	SG7 CUX	C504 6345 Currency identification code	
Article		M	N 14	SG26 LIN	C212 7140 Item identifier	
Identification of display article		O	A/N 3	SG26 IMD	C273 7009 Item description code	
Identification of returnable containers		O	A/N 3	SG26 IMD	C273 7009 Item description code	
Identification of consumer units		O	A/N 3	SG26 IMD	C273 7009 Item description code	
Identification of non-returnable containers		O	A/N 3	SG26 IMD	C273 7009 Item description code	
Article description		M	A/N70	SG26 IMD	C273 7008 Item description	
Invoiced quantity		Delivered quantity that is being invoiced, related to EAN	M	N 7+3	SG26 QTY	C186 6060 Quantity
Free goods quantity		Delivered quantity that is not being invoiced, related to EAN	M	N 7+3	SG26 QTY	C186 6060 Quantity
Number of units in higher packaging or configuration level (EAN-code)		O	N 7+3	SG26 QTY	C186 6060 Quantity	
Measurement unit	Only used for variable quantity products (unit is not equal piece)	O	A/N 3	SG26 QTY	C186 6411 Measurement unit code	
Line item amount		M	N 10+3	SG27 MOA	C516 5004 Monetary amount	

Business term	Description	Status	Format	Segment	Data element
Net price		M	N 7+3	SG29 PRI	C509 5118 Price amount
VAT rate	In percentage	M	N 2+2	SG34 TAX	C243 5278 Duty or tax or fee rate
Producer fees as percentage	Beer, sparkling wine	O	N 2+2	SG34 TAX	C243 5278 Duty or tax or fee rate
Tax amount	Producer fees (beer, sparkling wine) as a monetary amount	O	N 7+3	SG34 MOA	C516 5004 Monetary amount
Total line items amount	Sum of all line item amounts	M	N 11+2	SG50 MOA	C516 5004 Monetary amount
Goods and services total amount		M	N 11+2	SG50 MOA	C516 5004 Monetary amount
Total retournable items deposit amount		M	N 11+2	SG50 MOA	C516 5004 Monetary amount
Message total duty/tax/fee amount		O	N 11+2	SG50 MOA	C516 5004 Monetary amount
Invoice amount		M	N 11+2	SG50 MOA	C516 5004 Monetary amount
VAT		M	N 2+2	SG52 TAX	C243 5278 Duty or tax or fee rate
Producer fees	As percentage	M	N 2+2	SG52 TAX	C243 5278 Duty or tax or fee rate
Taxable amount		M	N 11+2	SG52 MOA	C516 5004 Monetary amount
Tax amount		M	N 11+2	SG52 MOA	C516 5004 Monetary amount

3. Segment description INVOIC

UNA - C 1 - Service string advice				
Function : The service string advice shall begin with the upper case characters UNA immediately followed by six characters in the order shown below. The space character shall not be used in positions 010, 020, 040, 050 or 060. The same character shall not be used in more than one position of the UNA.				
Segment number : 1				
Data element group/Data element	EDIFACT	ANW	*	Description
UNA1 Component data element separator	M an1	M	*	Used as a separator between component data elements contained within a composite data element (default value: ":")
UNA2 Data element separator	M an1	M	*	Used as a separator between two simple or composite data elements (default value: "+")
UNA3 Decimal mark	M an1	M	*	Used to indicate the character used for decimal notation (default value:".")
UNA4 Release character	M an1	M	*	Used to restore separator and terminator signs to their normal meaning (value: "?")
UNA5 Repetition separator	M an1	M	*	Default value: space
UNA6 Segment terminator	M an1	M	*	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 is being used.				
Example: UNA:+.? '				

UNB - M 1 - Interchange Header				
Function : To identify an interchange.				
Segment number : 2				
Data element group/Data element	EDIFACT	ANW	*	Description
S001 Syntax identifier	M	M		
0001 Syntax-Kennung	M a4	M	*	See code list
0002 Syntax version number	M an1	M	*	3 = Version 3
0080 Service code list directory version number	C an..6	N		
0133 Character encoding, coded	C an..3	N		
S002 Interchange sender	M	M		
0004 Interchange sender identification	M an..35	M		GLN (n13)
0007 Identification code qualifier	C an..4	R	*	14 = EAN International.
0008 Interchange sender internal identification	C an..35	N		
0042 Interchange sender internal sub-identification	C an..35	N		
S003 Interchange recipient	M	M		
0010 Interchange recipient identification	M an..35	M		GLN (n13)
0007 Identification code qualifier	C an..4	R	*	14 = EAN International.
0014 Interchange recipient internal identification	C an..35	N		
0046 Interchange recipient internal sub-identification	C an..35	N		
S004 Date and time of preparation	M	M		
0017 Date	M n8	M		YYMMDD
0019 Time	M n4	M		HHMM
0020 Interchange control reference	M an..14	M		Unique reference identifying the interchange. Created by the interchange sender.
S005 Recipient reference/password details	C	N		
0022 Recipient reference/password	M an..14			
0025 Recipient reference/password qualifier	C an2			
0026 Application reference	C an..14	O		

0029	Processing priority code	C a1	N	
0031	Acknowledgement request	C n1	N	
0032	Interchange agreement identifier	C an..35	M	EANCOM-ONLY = Indicator for the use of INVOIC without a consolidated paper invoice
0035	Test indicator	C n1	O	1 = Interchange is a test

Segment Notes

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.

DE 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 is 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).

DE 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 contains an indicator for INVOIC without paper consolidated invoice. This is used to facilitate automated processing of the interchange.

Example:

UNB+UNOC:3+9099999300314:14+8798765432106:14+20060102:1000+12345555+++++EANCOM-ONLY'

UNH - M 1 - Message header				
Function : To head, identify and specify a message.				
Segment number : 3				
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	*	INVOIC = Invoice message
0052 Message version number	M an..3	M	*	D = Draft version
0054 Message release number	M an..3	M	*	01B = Release 2001 - B
0051 Controlling agency, coded	M an..3	M	*	UN = UN/CEFACT
0057 Association assigned code	C an..6	R	*	EAN010 = EAN version control number
0110 Code list directory version number	C an..6	O		Code list version
0113 Message type sub-function identification	C an..6	N		
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			
S016 Message subset identification	C	N		
0115 Message subset identification	M an..14			
0116 Message subset version number	C an..3			
0118 Message subset release number	C an..3			
0051 Controlling agency, coded	C an..3			
S017 Message implementation guideline identification	C	N		
0121 Message implementation guideline identification	M an..14			
0122 Message implementation guideline version number	C an..3			
0124 Message implementation guideline release number	C an..3			

0051	Controlling agency, coded	C an..3			
S018	Scenario identification	C	N		
0127	Scenario identification	M an..14			
0128	Scenario version number	C an..3			
0130	Scenario release number	C an..3			
0051	Controlling agency, coded	C an..3			

Segment Notes

Example:
UNH+ME00001+INVOIC:D:01B:UN:EAN010'

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
C002 Document/message name	C	R		
1001 Document name code	C an..3	R	*	380 = Commercial invoice 381 = Credit note – goods and services
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		Invoice number/credit note 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 1 = Cancellation
4343 Response type code	C an..3	N		
<u>Segment Notes</u>				
<p>- Message type - Invoice (DE1001 = 380), Mandatory *); A/N 3 - Invoice number (DE1004); Mandatory; A/N 16 BGM+380+200099+9'</p> <p>- Message type – Credit note (DE1001 = 381); Mandatory *); A/N 3 - Credit note number (DE1004); Mandatory; A/N 16 BGM+381+300200+9'</p> <p>*) One of these message types (together with the message number) must be set. The INVOIC serves as both: Invoice and Credit note.</p>				

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
C507 Date/time/period	M	M		
2005 Date or time or period function code qualifier	M an..3	M	*	137 = Document/message date/time 35 = Delivery date/time, actual
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>				
- Message Date (DE2005 = 137); Mandatory; D 8 DTM+137:20060522:102'				
- Delivery date (DE2005 = 35); Mandatory; D 8 DTM+35:20060615:102'				

FTX - C 8 - Free text				
Function : To provide free form or coded text information				
Segment number : 6				
Data element group/Data element	EDIFACT	ANW	*	Description
4451 Text subject code qualifier	M an..3	M	*	REG = Regulatory information
4453 Free text function code	C an..3	M	*	1 = Text for subsequent use
C107 Text reference	C	M		
4441 Free text value code	M an..17	M	*	DSS = Average tax rate according to § 22 paragraph 1 / Value Added Tax Act S67 = Tax exempt according to § 6 paragraph 1 Z 27 / Value Added Tax Act S69 = Tax exempt according to § 6 paragraph 1 Z 9 / Value Added Tax Act IGL = Intra-community deliveries according to article 6 paragraph 1 / Value Added Tax Act RCH = Reverse Charge according to § 19 paragraph 1 / Value Added Tax Act SA7 = Tax-exempt export delivery according to § 7 / Value Added Tax Act IGLDE = Intra-community deliveries according to §4 Nr. 1b in connection with §6a / Value Added Tax Act, exempt from import turnover tax, but subject to income tax TXT = Identification of the tax exemption in text form (see also the remarks) TRT = Supply of goods under the simplified triangular regime (see segment notes)
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	M	*	294 = GS1 Austria
C108 Text literal	C	D		
4440 Free text value	M an..512	R		
4440 Free text value	C an..512	N		
4440 Free text value	C an..512	N		
4440 Free text value	C an..512	N		
4440 Free text value	C an..512	N		
3453 Language name code	C an..3	N		
4447 Free text format code	C an..3	N		

Segment Notes

Note: The segment FTX is mandatory for tax reduction reason, in case of invoices without a consolidated paper invoice.

Especially in tax-exempt Invoices it is necessary to have a corresponding reference to the underlying text of the UStG law.

Coded references to standard texts are an available functionality which enables automatic processing and reduces transmission and processing overheads. Standard texts should be mutually defined among trading partners and can be used to cover legal and other requirements.

The codes in DE 4451 are maintained by GS1 Austria (DE3055 = 294) and are defined as following:

DSS = Average tax rate according to § 22 paragraph 1 / Value Added Tax Act
Average tax rate (12%) applied by flat rate farmers
FTX+REG+1+DSS::294'

S67 = Tax exempt according to § 6 paragraph 1 Z 27 / Value Added Tax Act
Tax exempt (below the VAT threshold): According to § 6 paragraph 1 Z 27 the delivery/service is tax exempt
FTX+REG+1+S67::294'

S69 = Tax exempt according to § 6 paragraph 1 Z 9 / Value Added Tax Act
Tax exempt (gambling turnovers, brake-open tickets): According to § 6 paragraph 1 Z 9 the delivery/service is tax exempt
FTX+REG+1+S69::294'

IGL = Intra-community deliveries according to article 6 paragraph 1 / Value Added Tax Act
Intra-community delivery: Tax exempt intra-community delivery according to article 6 paragraph 1 Value Added Tax Act
FTX+REG+1+IGL::294'

RCH = Reverse Charge according to § 19 paragraph 1 / Value Added Tax Act
FTX+REG+1+RCH::294'

SA7 = Tax-exempt export delivery according to § 7 / Value Added Tax Act
By export in third country (outside the EU)
FTX+REG+1+SA7::294'

IGLDE = Intra-community deliveries according to §4 Nr. 1b in connection with §6a / Value Added Tax Act, exempt from import turnover tax, but subject to income tax
FTX+REG+1+IGLDE::294'

TXT = Identification of the tax exemption in text form in combination with DE 4440, Optional; A/N 512
Attention: When the tax exemption is provided as a text no additional standard code for tax exemption is used!
FTX+REG+1+TXT::294+ Intra-community deliveries according to Art. 6 paragraph 1 /Value Added Tax Act '

TRT = Supply of goods under the simplified triangular regime; identification of the triangular transaction and transfer of the tax liability. Article 141 of the VAT Directive 2006/112/EC and the tax debtor is the invoice recipient in accordance with Art. 197 of Directive 2006/112/EC (VAT Act): Triangular transaction according to Art. 25 para. 1 UStG and transfer of tax liability according to Art. 25 para. 5 UStG)
FTX+REG+1+TRT::294'

SG1 - M 6 - RFF-DTM				
RFF - M 1 - Reference				
Function : To specify a reference. Segment number : 7				
Data element group/Data element	EDIFACT	ANW	*	Description
C506 Reference	M	M		
1153 Reference code qualifier	M an..3	M	*	ON = Order number (buyer) DQ = Delivery note number IRN = Instruction for returns number (EAN-Code) 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 (buyer) (DE1153 = ON); Mandatory; A/N 16 RFF+ON:4711'				
- Delivery note number (DE1153 = DQ); Mandatory; A/N 16 RFF+DQ:1234'				
- Instruction for returns number (DE1153 = IRN); Optional; A/N 16 RFF+IRN:5664'				
- Organic control number of the supplier (DE1153 = XC1); Optional; A/N 35 RFF+XC1:AT-N-01-BIO'				

SG1 - M 6 - RFF-DTM				
DTM - C 1 - Date/time/period				
Function : To specify date and/or time or period				
Segment number : 8				
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; Optional; D 8 DTM+171:20060602:102'				

SG2 - M		7 - 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 : 9			
Data element group/Data element	EDIFACT	ANW	* Description
3035 Party function code qualifier	M an..3	M	* BY = Buyer SU = Supplier DP = Delivery Party UC = Ultimate consignee OB = Ordered by IV = Invoicee II = Issuer of invoice
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	D	
3036 Party name	M an..35	M	
3036 Party name	C an..35	O	
3036 Party name	C an..35	O	
3036 Party name	C an..35	N	
3036 Party name	C an..35	N	
3045 Party name format code	C an..3	N	
C059 Street	C	D	
3042 Street and number or post office box identifier	M an..35	M	

3042	Street and number or post office box identifier	C an..35	O	
3042	Street and number or post office box identifier	C an..35	N	
3042	Street and number or post office box identifier	C an..35	N	
3164	City name	C an..35	D	
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		
3228	Country sub-entity name	C an..70		
3251	Postal identification code	C an..17	D	
3207	Country name code	C an..3	D	

Segment Notes

- Buyer (DE3035 = BY); Mandatory *); N 13

NAD+BY+901234500004::9++Buyer-Name: Buyer -Name: Buyer -Name+MUSTERPLATZ 5+WIEN++1190+AT'

***) For invoices without a consolidated paper invoice, the indication of buyer GLN and invoice address in structured form is mandatory.**

- Supplier (DE3035 = SU); Mandatory **); N 13

NAD+SU+9012345000011::9++Supplier-Name: Supplier -Name: Supplier -Name+MUSTERPLATZ 12+WIEN++1160+AT'

*****) For invoices without a consolidated paper invoice, the indication of supplier GLN and invoice address in structured form is mandatory.**

- Delivery Party (DE3035 = DP); Mandatory ***); N 13

NAD+DP+9012345000028::9++Delivery P-Name: Delivery P -Name: Delivery P -Name+MUSTERPLATZ 12+WIEN++1160+AT''

*****)) For invoices without a consolidated paper invoice, the delivery party is identified by GLN + optional address in structured form.**

- 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++Invoicee-Name: Invoicee -Name+MUSTERPLATZ 5+WIEN++1190+AT'

This qualifier is only used, if the invoicee is not the buyer.

- Issuer of invoice (DE3035 = II); Optional; N 13

NAD+II+9099999300414::9++Issuer of invoice-Name: Issuer of invoice -Name: Issuer of invoice -Name+MUSTERPLATZ5+WIEN++1190+AT'

This qualifier is only used, if the issuer of the invoice is not the supplier.

Remark to Cross-Docking:

The field 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.

DE3039: For partner identification use exclusively the GLN.

SG2 - M	7 - NAD-SG3			
SG3 - M	1 - RFF			
RFF - M	1 - Reference			
Function :	To specify a reference			
Segment number :	10			
Data element group/Data element	EDIFACT	ANW	*	Description
C506 Reference	M	M		
1153 Reference code qualifier	M an..3	M	*	VA = VAT registration number
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>				
- VAT registration number, in connection with BY, SU, IV, II (DE1154); Mandatory by Invoice/ Credit Note without a consolidated paper invoice; A/N 20				
RFF+VA:AT3929292'				

SG7 - M	1 - CUX			
CUX - M	1 - Currencies			
Function :	To specify currencies used in the transaction and relevant details for the rate of exchange.			
Segment number :	11			
Data element group/Data element	EDIFACT	ANW	*	Description
C504 Currency details	C	R		
6347 Currency usage code qualifier	M an..3	M	*	2 = Reference currency
6345 Currency identification code	C an..3	R		EUR = Euro (EAN-Code)
6343 Currency type code qualifier	C an..3	R	*	4 = Invoicing currency
6348 Currency rate value	C n..4	N		
C504 Currency details	C	N		
6347 Currency usage code qualifier	M an..3			
6345 Currency identification code	C an..3			
6343 Currency type code qualifier	C an..3			
6348 Currency rate value	C n..4			
5402 Currency exchange rate	C n..12	N		
6341 Exchange rate currency market identifier	C an..3	N		
<u>Segment Notes</u>				
- Currency; Mandatory; A/N 3 CUX+2:EUR:4'				

SG26 - M 9999999 - LIN-IMD-QTY-SG27-SG29-SG34				
LIN - M 1 - Line item				
Function : To identify a line item and configuration				
Segment number : 12				
Data element group/Data element	EDIFACT	ANW	*	Description
1082 Line item identifier	C an..6	R		Application generated number of the count of the order lines. The number must be unique and ascending within the message.
1229 Action request/notification description code	C an..3	N		
C212 Item identification number	C	R		
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		
C829 Sub-line information	C	N		
5495 Sub-line indicator code	C an..3			
1082 Line item identifier	C an..6			
1222 Configuration level number	C n..2	N		Format n..14
7083 Configuration operation code	C an..3	N		
<u>Segment Notes</u> - Article identification by EAN (DE7140); Mandatory; N 14 LIN+1++9012345000103:SRV'				
The LIN-segment indicates the beginning of the detail section within the Invoice and is used to identify the item being invoiced.				

SG26 - M 9999999 - LIN-IMD-QTY-SG27-SG29-SG34				
IMD - M 4 - 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
7077 Description format code	C an..3	M	*	A = Free form long description C = Code (from industry code list)
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	O	*	SG = Standard group of products (mixed assortment) (EAN-Code) RC = Returnable container (EAN-Code) CU = Consumer unit (EAN-Code) NRC = Non-returnable containers (= single-use PET bottles and aluminium cans) (GS1-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)
7008 Item description	C an..256	D		Max. 70 characters
7008 Item description	C an..256	N		
3453 Language name code	C an..3	N		
7383 Surface or layer code	C an..3	N		

Segment Notes

- Indicator for display article (mixed assortment) (DE7009=SG); Optional; A/N 3
IMD+C++SG::9'

- Article description (DE7008); Mandatory by Invoice/ Credit Note without a consolidated paper invoice; A/N 70
IMD+A++:::ARTIKELTEXT1'

Representation of returnable containers in INVOIC:

Basically there are 2 types of returnable containers to be differed:

1) bounded returnable container: the returnable container is sent together with content (full item)

Approach:

- Both content (full item) and returnable container should be represented as main positions
- Returnable container is additionally identified by the qualifier RC
 - all returnable containers related to the full item should be sent immediate after the full item and not as a sum of all positions at the end

2) unbounded returnable container: the returnable container is sent without content (full item), e.g. by ordering of an „empty“ case

Approach:

- Returnable container is represented as a normal article
- The qualifier RC is not set

- Identification of Returnable container/empties (DE7009=RC); Optional; A/N 3
IMD+C++RC::9'

- Identification of Consumer unit (DE7009=CU); Optional; A/N 3

- IMD+C++CU::9'

- Identification of non-returnable containers (DE7009=NRC); Optional; A/N 3

LIN+2++**GTIN of the full product**:SRV'

IMD+A++:::24x0,33L Can'

QTY+47:2:PCE'

MOA+203:**Line item amount**'

PRI+AAA:**Net price of the full product**'

TAX+7+VAT+++:::20+S'

LIN+3++**9010945000011**:SRV' **GTIN of the deposit**

IMD+A++:::Non-returnable deposit (=single-use deposit)'

IMD+C++**NRC**'

QTY+47:48:PCE' **Quantity in pieces**

MOA+203:12' **Line item value**

PRI+AAA:0.25'

TAX+7+VAT+++:::0'

Information on the above segment description:

- the empties are sent together with a full product in one invoice
- both full product and empties are sent as the main item
- the price is based on the single unit
- the value added tax (TAX segment) is sent with the value zero
- the RFF+NRC indicator (for non-returnable containers) must be specified
- one standardised EAN/GTIN for all non-returnable containers: 9010945000011. This GTIN refers to a single PET bottle or aluminium can!
- no influence on ORDERS and DESADV as only full products are specified in ORDERS and DESADV!

SG26 - M 9999999 - LIN-IMD-QTY-SG27-SG29-SG34				
QTY - M 2 - Quantity				
Function : To specify a pertinent quantity				
Segment number : 14				
Data element group/Data element	EDIFACT	ANW	*	Description
C186 Quantity details	M	M		
6063 Quantity type code qualifier	M an..3	M	*	47 = Invoiced quantity 192 = Free goods quantity 45E = Number of units in higher packaging or configuration level (EAN-Code)
6060 Quantity	M an..35	M		
6411 Measurement unit code	C an..3	D		KGM = Kilogram
<u>Segment Notes</u>				
- Invoiced quantity (DE6063 = 47); Mandatory*); N 7+3 QTY+47:250'				
- Free goods quantity (DE6063 = 192); Mandatory*); N 7+3 QTY+192:100'				
- Number of units in higher package or configuration level (Display article); Optional; N 7+3 In the qualifier 45E must be displayed the total quantity of the sub-positions (Quantity main position x number of the sub-positions within the main position = total quantity) QTY+45E:10'				
DE 6411: Measurement unit for quantity variable products (unit not equal piece); for further codes see the code list.				

SG26 - M 9999999 - LIN-IMD-QTY-SG27-SG29-SG34				
SG27 - M 1 - MOA				
MOA - M 1 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 15				
Data element group/Data element	EDIFACT	ANW	*	Description
C516 Geldbetrag	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	N		
6343 Currency type code qualifier	C an..3	N		
4405 Status description code	C an..3	N		
<u>Segment Notes</u>				
- Line item amount; Mandatory; N 10+3 MOA+203:3500'				
Note: The line item amount is calculated on the base of the net price (AAA), specified in the PRI-Segment X Quantity!				

SG26 - M 9999999 - LIN-IMD-QTY-SG27-SG29-SG34				
SG29 - M 2 - PRI				
PRI - M 1 - Price details				
Function : To specify price information				
Segment number : 16				
Data element group/Data element	EDIFACT	ANW	*	Description
C509 Price information	C	R		
5125 Price code qualifier	M an..3	M	*	AAA = Calculation net
5118 Price amount	C n..15	R		
5375 Price type code	C an..3	N		
5387 Price specification code	C an..3	N		
5284 Unit price basis value	C n..9	O		
6411 Measurement unit code	C an..3	O		
5213 Sub-line item price change operation code	C an..3	N		
<u>Segment Notes</u>				
- Net price (DE5125 = AAA); Mandatory; N 7+3 PRI+AAA:55'				
The net price is the price information without taxes and within all discounts valid for this article.				

SG26 - M 9999999 - LIN-IMD-QTY-SG27-SG29-SG34				
SG34 - M 3 - TAX-MOA				
TAX - M 1 - Duty/tax/fee details				
Function : To specify relevant duty/tax/fee information				
Segment number : 17				
Data element group/Data element	EDIFACT	ANW	*	Description
5283 Duty or tax or fee function code qualifier	M an..3	M	*	7 = Tax 6 = Fee
C241 Duty/tax/fee type	C	D		
5153 Duty or tax or fee type name code	C an..3	R	*	VAT = Value added tax GST = Goods and Service tax
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
5152 Duty or tax or fee type name	C an..35	N		
C533 Duty/tax/fee account detail	C	D		
5289 Duty or tax or fee account code	M an..6	M		BIE = Beer fees TAB = Tobacco fees BRA = Brandy fees GLA = Gambling fees
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
5286 Duty or tax or fee assessment basis value	C an..15	N		
C243 Duty/tax/fee assessment basis value	C	D		
5279 Duty or tax or fee rate code	C an..7	N		
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
5278 Duty or tax or fee rate	C an..17	R		Actual tax rate/fee rate
5273 Duty or tax or fee rate basis code	C an..12	N		
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
5305 Duty or tax or fee category code	C an..3	O		E = Exempt from tax S = Standard rate
3446 Party tax identifier	C an..20	N		

1227 Calculation sequence code	C an..3	N		
<p><u>Segment Notes</u></p> <p>- Value added tax for the actual position; Mandatory; N 2+2 TAX+7+VAT++++::20+S'</p> <p>- Producer fees (e.g. beer) as percentage; Optional; N 2+2; (the respective amounts are displayed in the following MOA segment) TAX+6+GST+BIE'</p> <p>Remark to DE 5278 and 5305: By exempt from tax amounts or tax free amounts DE 5278 must always be filled with value 0 (Zero).</p> <p>It is allowed to set one VAT rate and two fees for one article.</p>				

SG26 - M 9999999 - LIN-IMD-QTY-SG27-SG29-SG34				
SG34 - M 3 - TAX-MOA				
MOA - C 1 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 18				
Data element group/Data element	EDIFACT	ANW	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	124 = Tax amount
5004 Monetary amount	C n..35	R		
6345 Currency identification code	C an..3	N		
6343 Currency type code qualifier	C an..3	N		
4405 Status description code	C an..3	N		
<u>Segment Notes</u>				
This segment is exclusively used to specify in monetary terms the amount of tax due on the current line item, except VAT! Vat is not to be displayed as a monetary amount!				
- Tax amount; Optional; N 7+3 MOA+124:250'				

UNS - M 1 - Section control				
Function : To separate header, detail and summary sections of a message.				
Segment number : 19				
Data element group/Data element	EDIFACT	ANW	*	Description
0081 Section identification	M a1	M		S = Detail/summary section separation
<u>Segment Notes</u>				
This segment is used to separate the detail and summary sections of the message.				
Example: UNS+S'				

SG50 - M		5 - MOA		
MOA - M		1 - Monetary amount		
Function :		To specify a monetary amount.		
Segment number :		20		
Data element group/Data element	EDIFACT	ANW	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	36E = Goods and services total amount (EAN Code) 35E = Total returnable items deposit amount (EAN Code) 79 = Total line items amount 176 = Message total duty/tax/fee amount 77 = Invoice amount
5004 Monetary amount	C n..35	R		
6345 Currency identification code	C an..3	N		
6343 Currency type code qualifier	C an..3	N		
4405 Status description code	C an..3	N		
<u>Segment Notes</u>				
<p>- Total line items amount, the sum of goods and services total amount and total returnable items deposit amount (DE5025 = 79); Mandatory *); N 11+2: MOA+79:4000'</p> <p>- Goods and services total amount (DE5025 = 36E); Mandatory *); N 11+2 MOA+36E:3500'</p> <p>- Total returnable items deposit amount (DE5025 = 35E); Mandatory *); N 11+2 MOA+35E:500'</p> <p>- Message total duty/tax/fee amount (DE5025 = 176); Optional; N 11+2 MOA+176:4000'</p> <p>- Invoice amount (Total line items amount plus charges and VAT, minus allowances) (DE5025 = 77); Mandatory; N 11+2 MOA+77:4000'</p> <p>*) The total line item amount is obligatory. Goods and services total amount and total returnable items deposit amount should be always displayed when the invoice contains returnable items. Otherwise they can be skipped.</p>				

SG52 - M 10 - TAX-MOA				
TAX - M 1 - Duty/tax/fee details				
Function : To specify relevant duty/tax/fee information.				
Segment number : 21				
Data element group/Data element	EDIFACT	ANW	*	Description
5283 Duty or tax or fee function code qualifier	M an..3	M	*	7 = Tax 6 = Fee
C241 Duty/tax/fee type	C	R		
5153 Duty or tax or fee type name coded	C an..3	R	*	VAT = Value added tax GST = Goods and services tax
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
5152 Duty or tax or fee type name	C an..35	N		
C533 Duty/tax/fee account detail	C	D		
5289 Duty or tax or fee account code	M an..6	M		BIE = Beer fees TAB = Tobacco fees BRA = Brandy fees GLA = Gambling fees
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
5286 Duty or tax or fee assessment basis value	C an..15	N		
C243 Duty/tax/fee details	C	D		
5279 Duty or tax or fee rate code	C an..7	N		
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
5278 Duty or tax fee rate	C an..17	R		Actual tax rate
5273 Duty or tax or fee rate basis code	C an..12	N		
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
5305 Duty or tax or fee category code	C an..3	O		E = exempt from tax S = standard rate
3446 Party tax identifier	C an..20	N		
1227 Calculation sequence code	C an..3	N		

Segment Notes

- VAT – tax rate; Mandatory; N 2+2 (to be repeated for each tax rate)
TAX+7+VAT+++:::20'

- Producer fees (beer) as percentage; Mandatory – when fees are available; N 2+2; (to be repeated for each fee type)
TAX+6+GST+BIE'

Remark to DE 5278 and 5305:

By exempt from tax amounts or tax free amounts DE 5278 must always be filled with value 0 (Zero).

Tax rate, taxable amount and tax amount should be defined for each tax respectively fee type.

SG52 - M 10 - TAX-MOA				
MOA - M 9 - Monetary amount				
Function : To specify a monetary amount				
Segment number : 22				
Data element group/Data element	EDIFACT	ANW	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	125 = Taxable amount 124 = Tax amount
5004 Monetary amount	C n..35	R		Amount
6345 Currency identification code	C an..3	N		
6343 Currency type code qualifier	C an..3	N		
4405 Status description code	C an..3	N		
<u>Segment Notes</u>				
- Taxable amount (DE5025 = 125); Mandatory; N 11+2 MOA+125:8000'				
- Tax amount (DE5025 = 124); Mandatory; N 11+2 MOA+124:800'				

UNT - M 1 - Message trailer				
Function : To end and check the completeness of a message				
Segment number : 23				
Data element group/Data element	EDIFACT	ANW	*	Description
0074 Number of segments in a message	M n..10	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'				

UNZ - M 1 - Interchange trailer				
Function : To end and check the completeness of an interchange				
Segment number : 24				
Data element group/Data element	EDIFACT	ANW	*	Description
0036 Interchange control count	M n..6	M		Number of messages or functional groups within an interchange.
0020 Interchange control reference	M an..14	M		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'				

4. Example INVOIC

UNA:+.?'	Service string information
UNB+UNOC:3+9099999300476:14+9099999300414:14+20100112:1001+134+++++EANCOM-ONLY'	Interchange header
UNH+1+INVOIC:D:01B:UN:EAN010'	Message header
BGM+380+222+9'	Invoice number
DTM+137:20100112:102'	Document date
DTM+35:20100111:102'	Delivery date
RFF+ON:52400011'	Reference order number
DTM+171:20100111:102'	Order date
RFF+DQ:5489'	Delivery note number
NAD+BY+9004108000000::9++Name1:Name2+Strasse 9+Wien++2355+AT'	Buyer, GLN and text address
RFF+VA:ATU111111111'	Buyer's VAT registration number

NAD+SU+9099999300476::9++Name1:Name2+Muster-gasse 3+Salzburg++2800+AT'	Supplier, GLN and text address
RFF+VA:1234567890123'	Supplier's VAT registration number
NAD+DP+9002233000043::9'	Delivery party, GLN
NAD+OB+9004108000000::9'	Ordered by, GLN
CUX+2:EUR:4'	Invoice currency
LIN+1++9099999026543:SRV'	1. article
IMD+A+++::LIMO 1L'	Article description
QTY+47:50'	Quantity
MOA+203:300'	Line item amount
PRI+AAA:6'	Net price
TAX+7+VAT+++::20+S'	VAT
UNS+S'	Begin of the summary section
MOA+79:450'	Total line items amount
MOA+176:90'	Message total duty/tax/fee amount
MOA+77:540'	Invoice amount
TAX+7+VAT+++::20+S'	VAT
MOA+125:450'	Taxable amount
MOA+124:90'	Tax amount
UNT+28+1'	Message Trailer
UNZ+1+134'	Interchange Trailer