



Message Implementation Guideline

INVOIC

(Commercial invoice)

PHARMA Initiative Austria

EANCOM 2002 Syntax 3

Version 1.2

Message Type: INVOIC
Message Version: 010 (EANCOM)
Responsible Agency: GS1 Austria
Directory Name: EDIFACT
Directory Version: D.01.B

Changes to Version 1.0:

Segment group/Segment	Data element	Old value	New Value	Remarks
LIN	C212	R	D	Status of Data element group C212 changed from " R " to " D "

Changes to Version 1.1:

Segment group/Segment	Data element	Old value	New Value	Remarks
SG30/RFF	1154	A/N 35	A/N 16	Field length of order number on position level (SG30/RFF/DE 1154) corrected from A/N 35 to A/N 16.

Definition

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

Invoice is a message claiming payment for goods or services supplied under conditions agreed between the seller and the buyer.

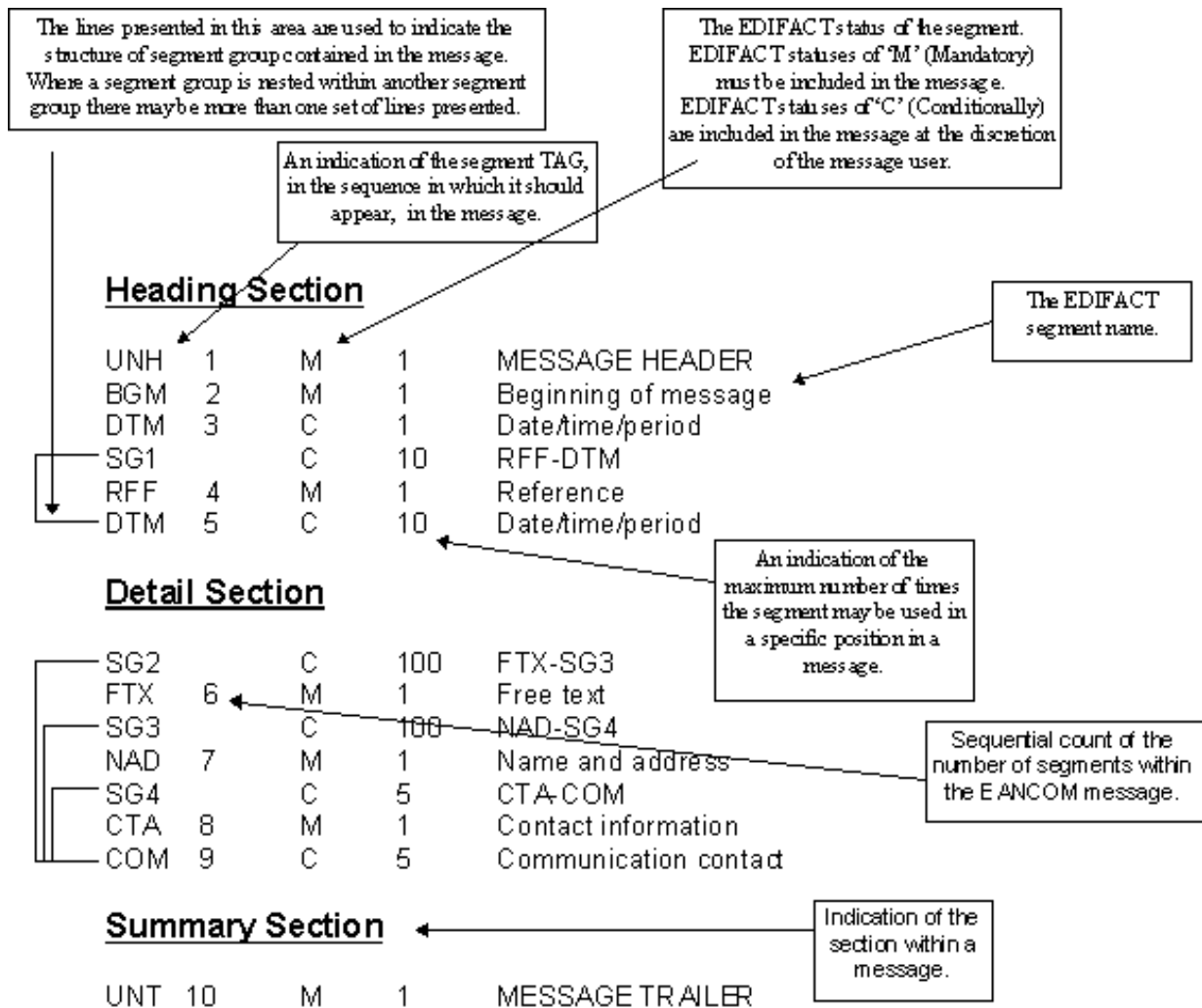
Principles

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 Purchase Order 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

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	Date/time/period
FTX	6	C	7	Free text
SG1		C	4	RFF-DTM
RFF	7	M	1	Reference
DTM	8	C	1	Date/time/period
SG2		M	5	NAD-SG3
NAD	9	M	1	Name and address
SG3		C	2	RFF
RFF	10	M	1	Reference
SG7		M	1	CUX
CUX	11	M	1	Currencies
SG8		C	6	PAT-DTM-PCD
PAT	12	M	1	Payment terms basis
DTM	13	C	1	Date/time/period
PCD	14	C	1	Percentage details
SG16		C	15	ALC-SG19-SG20-SG22
ALC	15	M	1	Allowance or charge
SG19		C	1	PCD
PCD	16	M	1	Percentage details
SG20		C	1	MOA
MOA	17	M	1	Monetary amount
SG22		C	1	TAX
TAX	18	M	1	Duty/tax/fee details
SG26		M	999999	LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39
LIN	19	M	1	Line item
PIA	20	C	2	Additional product id
IMD	21	M	1	Item description
QTY	22	M	2	Quantity
ALI	23	C	1	Additional information
SG27		C	2	MOA
MOA	24	M	1	Monetary amount
SG28		C	1	PAT-PCD
PAT	25	M	1	Payment terms basis
PCD	26	C	1	Percentage details
SG29		M	2	PRI
PRI	27	M	1	Price details
SG30		C	1	RFF
RFF	28	M	1	Reference
SG34		C	1	TAX
TAX	29	M	1	Duty/tax/fee details

Message structure

—	SG39		C	15	ALC-SG41-SG42
—	ALC	30	M	1	Allowance or charge
—	SG41		C	1	PCD
—	PCD	31	M	1	Percentage details
—	SG42		C	2	MOA
—	MOA	32	M	1	Monetary amount
	UNS	33	M	1	Section control
—	SG50		M	4	MOA
—	MOA	34	M	1	Monetary amount
—	SG52		M	10	TAX-MOA
—	TAX	35	M	1	Duty/tax/fee details
—	MOA	36	M	2	Monetary amount
	UNT	37	M	1	Message trailer
	UNZ	38	M	1	Interchange trailer

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	by Invoice	M	D 8	DTM		C507 2380	Date or time or period value
Delivery date	by Credit note	O	D 8	DTM		C507 2380	Date or time or period value
Coded text references	average tax rate, intra-community delivery, tax exempt export delivery etc.	O	A/N 3	FTX		C107 4441	Free text value code
Free Text	Instructions for invoicing	O	A/N 350	FTX		C108 4440	Free text value
Order number assigned by the buyer	to which Delivery/Invoice refers, optional in Credit note	M	A/N 16	SG1	RFF	C506 1154	Reference identifier
Delivery note number	optional by Credit note	M	A/N 16	SG1	RFF	C506 1154	Reference identifier
Reference number	Invoice reference number by Credit note	O	A/N 16	SG1	RFF	C506 1154	Reference identifier
Additional reference number		O	A/N 16	SG1	RFF	C506 1154	Reference identifier
Reference date		O	D8	SG1	DTM	C507 2380	Date or time or period value
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; free text -only if no GLN is available	O	N 13	SG2	NAD	C082 3039	Party identifier
Issuer of invoice	GLN	O	N 13	SG2	NAD	C082 3039	Party identifier

BUSINESS TERMS

Business term	Description	Status	Format	Segment		Data element		
Invoicee	GLN, only if not identical with the buyer	O	N 13	SG2	NAD	C082	3039	Party identifier
Name of the delivery party	only if no GLN is available	O	A/N 10	SG2	NAD	C080	3036	Party name
Name of the buyer and the supplier	For the identification of the buyer and the supplier	M	A/N 10	SG2	NAD	C080	3036	Party name
Street of delivery party	only if no GLN is available	O	A/N 35	SG2	NAD	C059	3042	Street and number or post office b
Street of buyer and supplier	For the identification of the buyer and the supplier	M	A/N 35	SG2	NAD	C059	3042	Street and number or post office b
Place of delivery party	only if no GLN is available	O	A/N 35	SG2	NAD		3164	City name
Place of buyer and supplier	For the identification of the buyer and the supplier	M	A/N 35	SG2	NAD		3164	City name
Postal identification code of the delivery party	only if no GLN is available	O	A/N 17	SG2	NAD		3251	Postal identification code
Postal code, code of buyer and supplier	For the identification of the buyer and the supplier	M	A/N 17	SG2	NAD		3251	Postal identification code
Country name code of the delivery party	only if no GLN is available	O	A/N 3	SG2	NAD		3207	Country name code
Country name, code of buyer and supplier	For the identification of the buyer and supplier	M	A/N 3	SG2	NAD		3207	Country name code
VAT registration number		M	A/N 20	SG3	RFF	C506	1154	Reference identifier

BUSINESS TERMS

Business term	Description	Status	Format	Segment		Data element		
Customer reference number		O	A/N 35	SG3	RFF	C506	1154	Reference identifier
Currency		M	A/N 3	SG7	CUX	C504	6345	Currency identification code
Net payment terms	in days	O	N 3	SG8	PAT	C112	2152	Period count quantity
Discount terms	in days	O	N 3	SG8	PAT	C112	2152	Period count quantity
Value date	Due date for the general payment term, only if different from the date of Invoice	O	D 8	SG8	DTM	C507	2380	Date or time or period value
Discount percentage rate		O	N 2+2	SG8	PCD	C501	5482	Percentage
Percentage discount	Field repetition possible (only for information)	O	N 2+2	SG19	PCD	C501	5482	Percentage
Discount amounts	Field repetition possible (only for information)	O	N 7+3	SG20	MOA	C516	5004	Monetary amount
Base amount		O	N 7+3	SG20	MOA	C516	5004	Monetary amount
Condition of assignment: VAT rate		O	N 2+2	SG22	TAX	C243	5278	Duty or tax or fee rate
Line number		M	N 16	SG26	LIN		1082	Line item identifier
Article	EAN- see segment description	M*	N 14	SG26	LIN	C212	7140	Item identifier
PZN (Austria Pharmacy Central Number)	see segment description	M*	A/N 35	SG26	PIA	C212	7140	Item identifier
Internal number of the supplier		O	A/N 35	SG26	PIA	C212	7140	Item identifier

BUSINESS TERMS

Business term	Description	Status	Format	Segment	Data element
Free-form long description		O	A/N 70	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
Item not to be included in bonus calculation		O	A/N 3	SG26 ALI	4183 Special condition code
Line item amount		M	N 10+3	SG27 MOA	C516 5004 Monetary amount
Total allowances and charges for each item		O	N 10+3	SG27 MOA	C516 5004 Monetary amount
Discount percentage	only if different from Header	O	N 2+2	SG28 PCD	C501 5482 Percentage
Net price	Net Price based on EAN incl charges	M*)	N 7+3	SG29 PRI	C509 5118 Price amount
Gross calculation price	Gross price based on EAN	M*)	N 7+3	SG29 PRI	C509 5118 Price amount
Order number (buyer)		O	A/N 16	SG30 RFF	C506 1154 Reference identifier
VAT rate	as percentage	M	N 2+2	SG34 TAX	C243 5278 Duty or tax or fee rate
Allowance/Charge percent		O	N 2+2	SG41 PCD	C501 5482 Percentage
Allowance or charge amount	Field repetition possible (only for information)	O	N 7+3	SG42 MOA	C516 5004 Monetary amount

BUSINESS TERMS

Business term	Description	Status	Format	Segment	Data element
Charge/allowance basis		O	N 7+3	SG42 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
Message total duty/tax/fee amount		O	N 11+2	SG50 MOA	C516 5004 Monetary amount
Discount amount	only from the gross calculation price (incl. VAT)	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
Taxable amount		M	N 11+2	SG52 MOA	C516 5004 Monetary amount
Tax amount		M	N 11+2	SG52 MOA	C516 5004 Monetary amount

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
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 notation	M an1	M	*	Used to indicate the character used for decimal notation (default value:".")
UNA4	Release indicator	M an1	M	*	Used to restore separator and terminator signs to their normal meaning (value: "?").
UNA5	Reserved for future use	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>					
<p>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.</p> <p>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.</p> <p>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).</p> <p>When expressing the service string characters in the UNA segment, it is not necessary to include any element separators.</p> <p>The use of the UNA segment is required when a character set other than level A is being used.</p> <p>Example: UNA:+.? '</p>					

UNB - M		1 - Interchange header		
Function :		To start, identify and specify an interchange.		
Segment number :		2		
Data element group/Data element	EDIFACT	ANW	*	Description
S001 Syntax identifier	M	M		
0001 Syntax identifier	M a4	M	*	UNOC = UN/ECE level C
0002 Syntax version number	M n1	M	*	3 = Version 3
S002 Interchange sender	M	M		
0004 Sender identification	M an..35	M		GLN (n13)
0007 Partner identification code qualifier	C an..4	R	*	14 = EAN International
0008 Address for reverse routing	C an..14	N		
S003 Interchange recipient	M	M		
0010 Recipient identification	M an..35	M		GLN (n13)
0007 Partner identification code qualifier	C an..4	R	*	14 = EAN International.
0014 Routing address	C an..14	O		
S004 Date/time of preparation	M	M		
0017 Date of preparation	M n6	M		YYMMDD
0019 Time of preparation	M n4	M		HHMM
0020 Interchange control reference	M an..14	M		Unique reference identifying the interchange. Created by the interchange sender.
S005 Recipient's reference, password	C	O		
0022 Recipient's reference/password	M an..14	M		
0025 Recipient's reference/password qualifier	C an2	O		
0026 Application reference	C an..14	O		Message identification if the interchange contains only one type of message.
0029 Processing priority code	C a1	O		A = Highest priority
0031 Acknowledgement request	C n1	O		
0032 Communications agreement ID	C an..35	O		
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 C (UNOC). Should users wish to use character sets other than C, 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 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+UNOC: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
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/UN/EDIFACT Directory
0054 Message release number	M an..3	M	*	01B = Release 2001 - B
0051 Controlling agency	M an..2	M	*	UN = UN/CEFACT
0057 Association assigned code	C an..6	R	*	EAN010 = EAN version control number (EAN Code)
0068 Common access reference	C an..35	N		
S010 Status of the transfer	C	N		
0070 Sequence of transfers	M n..2			
0073 First and last transfer	C a1			
<u>Segment notes</u>				
Example: UNH+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 7 = Duplicate
4343 Response type code	C an..3	N		
<u>Segment notes</u>				
- Message type- Invoice (DE1001 = 380), Mandatory *); A/N 3				
- Invoice number (DE1004); Mandatory; A/N 16				
BGM+380+200099+9'				
- Message type - Credit note (DE1001 = 381); Mandatory *); A/N 3				
- Credit note number (DE1004); Mandatory; A/N 16				
BGM+381+300200+9'				
*) One of these message types (together with the message number) must be set. The INVOIC serves as both: Invoice and Credit note.				

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 by Invoice (Qualifier=380); Optional by Credit Note (Qualifier=381); D 8 DTM+35:20060615:102'				

FTX - C 7 - 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	*	PUR = Purchasing information REG = Regulatory information
4453 Free text function code	C an..3	D	*	1 = Text for subsequent use
C107 Text reference	C	D		
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
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	M		Pharma EDI Austria allows maximum 350 characters
4440 Free text value	C an..512	O		
4440 Free text value	C an..512	O		
4440 Free text value	C an..512	O		
4440 Free text value	C an..512	O		
3453 Language name code	C an..3	N		
4447 Free text format code	C an..3	N		
<u>Segment notes</u>				
Use of this segment in free form is not recommended since in most cases it inhibits automatic processing of the Invoice. Especially in tax-exempt Invoices it is necessary to have a corresponding reference to the underlying text of the USTG law.				
- Purchasing information (DE4440); Optional; A/N 350 FTX+PUR+++PURCHASING INFORMATION'				
Coded references to standard texts is 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'

SG1 - C 4 - 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 IV = Invoice number ACD = Additional reference 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>				
- Order number (buyer) (DE1153 = ON); Mandatory*) by Invoice (Optional by Credit note); A/N 16 RFF+ON:4711'				
- Delivery note number (DE1153 = DQ); Mandatory*) by Invoice (Optional by Credit note); A/N 16 RFF+DQ:1234'				
- Reference invoice number (DE1153 = IV); Mandatory*) by Credit note (not used by Invoice); A/N 16 RFF+IV:5678'				
- Additional reference number (DE1153 = ACD); Optional; A/N 16 RFF+ACD:39973'				
*) If the information is available, then the information needs to be transmitted.				

SG1 - C 4 - 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		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 :		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 IV = Invoicee II = Issuer of invoice
C082 Party identification details	C	D		
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		Name of the delivery party, name of the buyer and the supplier
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		Street of delivery party, street of buyer, street of supplier
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		
3042 Street and number or post office box identifier	C an..35	N		

Data element group/Data element	EDIFACT	ANW	*	Description
3164 City name	C an..35	D		Place of delivery party, place of buyer, place of supplier
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		Postal code, code of the delivery party, of the buyer and of the supplier
3207 Country name code	C an..3	D		Country name, code of the delivery address, of the buyer and of the supplier

Segment notes

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

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

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

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

- Delivery party (DE3035 = DP); Optional; N 13

NAD+DP+9012345000028::9'

- Invoicee (DE3035 = IV); Optional; N 13

NAD+IV+9012345000059::9'

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

NAD+II+9099999300414::9'

For identification of parties the GLN (Global Location Number) is primarily used.

Specifying a free text is only for the delivery party (DP) if no GLN is available

NAD+DP+++EDI-LAND:Herr Laufen:Garage+Bussardweg 5+Wien++1120+AT'

*) The name must also be specified in clear text to identify the buyer and supplier.

SG2 - M	5 - NAD-SG3			
SG3 - C	2 - 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 CR = Customer reference 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 (DE1154); Mandatory; A/N 20 RFF+VA:AT3929292'				
-Customer reference number; in connection with BY; Optional; A/N 35 RFF+CR:2136547'				

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'				

SG8 - C		6 - PAT-DTM-PCD			
PAT - M		1 - Payment terms basis			
Function :		To specify the payment terms basis.			
		Notes: 1. This segment will be removed effective with directory D.02B.			
Segment number :		12			
Data element group/Data element		EDIFACT	ANW	*	Description
4279	Payment terms type code qualifier	M an..3	M	*	1 = Basic 22 = Discount
C110	Payment terms	C	N		
4277	Payment terms description identifier	M an..17			
1131	Code list identification code	C an..17			
3055	Code list responsible agency code	C an..3			
4276	Payment terms description	C an..35			
4276	Payment terms description	C an..35			
C112	Terms/time information	C	R		
2475	Time reference code	M an..3	M	*	5 = Date of invoice 66 = Specified date
2009	Terms time relation code	C an..3	D	*	3 = After reference
2151	Period type code	C an..3	D	*	D = Day
2152	Period count quantity	C n..3	D		Net payment terms in days
<u>Segment notes</u>					
- Net payment terms (in days); Optional; N 3 PAT+1++5:3:D:31'					
- Discount terms in days; Optional; N 3; 4 different discounts are allowed - to be used together with the following PCD-Segment PAT+22++5:3:D:30' PCD+12:3' PAT+22++5:3:D:40' PCD+12:1'					
- Value date; Optional; D 8; to be used together with the following DTM-Segment PAT+22++66' DTM+209:19990605:102'					
The specification of payment in the segment group SG8 can only be done in previously agreed cases between the business partners. Otherwise the standard agreement concerning the terms of payment applies (this is expressed by the absence of segment group SG8)					

SG8 - C 6 - PAT-DTM-PCD				
DTM - C 1 - Date/time/period				
Function : To specify date, and/or time, or period.				
Segment number : 13				
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	*	209 = Value date
2380 Date or time or period value	C an..35	R		
2379 Date or time or period format code	C an..3	R	*	102 = CCYYMMDD
<u>Segment notes</u>				
- Value date; Optional; D 8; see also PAT-Segment DTM+209:19990603:102'				
The specification of payment in the segment group SG8 can only be done in previously agreed cases between the business partners. Otherwise the standard agreement concerning the terms of payment applies (this is expressed by the absence of segment group SG8)				

SG8 - C 6 - PAT-DTM-PCD				
PCD - C 1 - Percentage details				
Function : To specify percentage information.				
Segment number : 14				
Data element group/Data element	EDIFACT	ANW	*	Description
C501 Percentage details	M	M		
5245 Percentage type code qualifier	M an..3	M	*	12 = Discount
5482 Percentage	C n..10	R		Percentage rate
5249 Percentage basis identification code	C an..3	N		
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
4405 Status description code	C an..3	N		
<u>Segment notes</u>				
- Discount percentage rate; Optional; N 2+2; see also the PAT-Segment PCD+12:3'				
The specification of payment in the segment group SG8 can only be done in previously agreed cases between the business partners. Otherwise the standard agreement concerning the terms of payment applies (this is expressed by the absence of segment group SG8)				

SG16 - C	15 - ALC-SG19-SG20-SG22
ALC - M	1 - Allowance or charge

Function : To identify allowance or charge details.

Segment number : 15

Data element group/Data element	EDIFACT	ANW	*	Description
5463 Allowance or charge code qualifier	M an..3	M	*	A = Allowance C = Charge
C552 Allowance/charge information	C	N		
1230 Allowance or charge identifier	C an..35			
5189 Allowance or charge identification code	C an..3			
4471 Settlement means code	C an..3	N		
1227 Calculation sequence code	C an..3	D		1 = First step of calculation 2 = Second step of calculation etc.
C214 Special services identification	C	R		
7161 Special service description code	C an..3	R		DI = Discount FC = Freight charge
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
7160 Special service description	C an..35	N		
7160 Special service description	C an..35	N		

Segment notes

The ALC segment group is used for specifying allowances and charges on a summary level. Each document condition will create its own Segment Group (SG 16). If discounts are reduced during billing, SG 16 needs to be used again.

The MOA segment of SG 20 is a mandatory indication to avoid numerical rounding differences.

The charges / allowances in the head part of the invoice are independent of those in the position part, this means ALC on position level does not overwrite the ALC on header level.

-Allowances and charges on a summary level; a calculation step is used when more than one step of calculation is given
ALC+A+++1+DI'

-Additional costs (e.g. freight) on summary level: without calculation steps:
ALC+A+++FC'

Remark: For further codes for DE7161 please see the code list.

SG16 - C	15 - ALC-SG19-SG20-SG22			
SG19 - C	1 - PCD			
PCD - M	1 - Percentage details			
Function :	To specify percentage information.			
Segment number :	16			
Data element group/Data element	EDIFACT	ANW	*	Description
C501 Percentage details	M	M		
5245 Percentage type code qualifier	M an..3	M	*	3 = Allowance or charge
5482 Percentage	C n..10	R		Percentage
5249 Percentage basis identification code	C an..3	N		
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
4405 Status description code	C an..3	N		
<u>Segment notes</u>				
- Percentage discount; Optional; N 2+2; (see ALC-Segment) PCD+3:10'				
This segment is used to specify percentage discounts or charges for the current ALC segment group. If percentage discounts or charges are calculated, then a MOA segment (DE 5025 = 8) with the monetary value must follow.				

SG16 - C	15 - ALC-SG19-SG20-SG22			
SG20 - C	1 - MOA			
MOA - M	1 - Monetary amount			
Function :	To specify a monetary amount.			
Segment number :	17			
Data element group/Data element	EDIFACT	ANW	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	8 = Allowance or charge amount 25 = Charge/allowance basis
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>				
- Charge/allowance basis; Optional; N 7+3 MOA+25:2000'				
- Allowance or charge amount; Optional; N 7+3 MOA+8:2000'				
This segment is used to set the base amount for calculating allowances or charges and to represent monetary discounts or charges for the current ALC segment group.				

SG16 - C	15 - ALC-SG19-SG20-SG22			
SG22 - C	1 - TAX			
TAX - M	1 - Duty/tax/fee details			
Function :	To specify relevant duty/tax/fee information.			
Segment number :	18			
Data element group/Data element	EDIFACT	ANW	*	Description
5283 Duty or tax or fee function code qualifier	M an..3	M	*	7 = Tax
C241 Duty/tax/fee type	C	D		
5153 Duty or tax or fee type name code	C an..3	R	*	VAT = Value added 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	N		
5289 Duty or tax or fee account code	M an..6			
1131 Code list identification code	C an..17			
3055 Code list responsible agency code	C an..3			
5286 Duty or tax or fee assessment basis value	C an..15	N		
C243 Duty/tax/fee detail	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
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
TAX+7+VAT+++:::20+S'

Segment status: depending; must be provided when the invoice contains more than one tax rate.

This segment indicates to which tax rate the allowances and charges are assigned.

Remark to DE 5278 and DE 5305: By exempt from tax or tax free amounts DE 5278 must always be filled with value 0 (Zero) .

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
LIN - M 1 - Line item				
Function : To identify a line item and configuration.				
Segment number : 19				
Data element group/Data element	EDIFACT	ANW	*	Description
1082 Line item identifier	C an..6	R		Application generated number of the count of the invoice lines. The number must be unique and ascending within the message.
1229 Action request/notification description code	C an..3	N		
C212 Item number identification	C	D		
7140 Item identifier	C an..35	R		Format n..14 EAN / GTIN - this is the number of charged article EAN/UCC-8 EAN/UCC-13 EAN/UCC-14 UCC-12
7143 Item type identification code	C an..3	R	*	SRV = EAN.UCC Global Trade Item Number
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
C829 Sub-line information	C			
5495 Sub-line indicator code	C an..3			
1082 Line item identifier	C an..6			
1222 Configuration level number	C n..2			
7083 Configuration operation code	C an..3			
<u>Segment notes</u>				
The LIN-Segment indicates the beginning of the detail section within the Invoice and is used to identify the item being invoiced.				
In identifying the products GTIN is used primarily. - Article identification by EAN (DE7140); Mandatory *); N 14				
The field is defined numerically up to 14 digits, only the specified numbering structures are allowed. It is transmitted in the data exchange without leading zeros! LIN+1++9012345000103:SRV'				
*) In case no GTIN has been assigned, the LIN-Segment and the following PIA-Segment (Article identification via an Pharmacy Central Number-PZN) should be represented as follows: LIN+1' PIA+5+1320706:IN'				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
PIA - C 2- Additional product id				
Function : To specify additional or substitutional item identification codes.				
Segment number : 20				
Data element group/Data element	EDIFACT	ANW	*	Description
4347 Product identifier code qualifier	M an..3	M	*	1 = Additional identification 5 = Product identification
C212 Item number identification	M	M		
7140 Item identifier	C an..35	R		
7143 Item type identification code	C an..3	R	*	SA =Supplier's article number IN = Buyer's item number (Austria Pharmacy Central Number)
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
C212 Item number identification	C	N		
7140 Item identifier	C an..35			
7143 Item type identification code	C an..3			
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
C212 Item number identification	C			
7140 Item identifier	C an..35			
7143 Item type identification code	C an..3			
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
C212 Item number identification	C			
7140 Item identifier	C an..35			
7143 Item type identification code	C an..3			

Data element group/Data element	EDIFACT	ANW	*	Description
1131 Code list identification code	C an..17			
3055 Code list responsible agency code	C an..3			
<u>Segment notes</u> Additional product identification (DE4347=1 und DE7143 = IN); Internal number of the dealer / buyer (Austria PZN); Optional; A/N 35 PIA+1+123081:IN' -Additional Product identification (DE4347=1 und DE7143 = SA), Internal number of the supplier; Optional; A/N 35 PIA+1+9438444:SA' - Product identification of the dealer/buyer (Austria PZN) (DE4347=5 und DE7143 = IN; Mandatory *); A/N 35 In case no GTIN has been assigned, the LIN-Segment and the following PIA-Segment (Article identification via an Pharmacy Central Number-PZN) should be represented as follows: LIN+1' PIA+5+15555:IN'				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
IMD - M 1 - Item description				
Function : To describe an item in either an industry or free format.				
Segment number : 21				
Data element group/Data element	EDIFACT	ANW	*	Description
7077 Description format code	C an..3	R	*	A = Free-form long description
C272 Item characteristic	C	N		
7081 Item characteristic code	C an..3			
1131 Code list identification code	C an..17			
3055 Code list responsible agency code	C an..3			
C273 Item description	C	M		
7009 Item description code	N an..17	N		
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
7008 Item description	C an..256	M		
7008 Item description	C an..256	N		
3453 Language name code	C an..3	N		
7383 Surface or layer code	C an..3	N		
<u>Segment notes</u>				
The IMD segment is used when the identification of the articles is not possible to be done exclusively through the GTIN number.				
Free-form long description (DE7077 =A); Mandatory ; A/N 70 IMD+A+++:::ACTIVELE 3x28 FTBL'				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
QTY - M 2- Quantity				
Function : To specify a pertinent quantity.				
Segment number : 22				
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
6060 Quantity	M an..35	M		
6411 Measurement unit code	C an..3	O		
<u>Segment notes</u>				
- Invoiced quantity (DE6063 = 47); Mandatory *); N 7+3 QTY+47:350'				
- Free goods quantity (DE6063 = 192); Mandatory*); N 7+3 QTY+192:12'				
*) One of the two delivery - quantities must be present (with billing / without billing), and both at same time are possible.				
Continuous mapping of an ordered quantity or specification of a discount in kind				
<u>ORDERS variant – Order representing only the ordered quantity</u>				
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 effects 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:IN' IMD+A+:::Product name' QTY+21:10' (10 Pieces are ordered and invoiced)				
<u>ORDERS variant – Order representing an ordered quantity and a discount in kind (free goods quantity)</u>				
In addition to an ordered quantity in the terms of delivery (master data) a discount in kind (for a free goods quantity) is set in this variation.				
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 Pharma Austria working group agreed that the specification of a quantity of free goods should be sent in a separate position next to the ordered quantity. This is due to the fact that variations in quantity can be displayed and communicated clearly in the following processes. (e.g. in terms of partial deliveries). However it is necessary to remark that the quantity in the DESADV relates to the quantity delivered. Therefore the free goods are 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:IN'
IMD+A+++::Product name'
QTY+21:10' (10 Pieces are ordered and invoiced)

LIN+2++9012345000001:SRV'
PIA+1+123456:IN'
IMD+A+++::Product name'
QTY+192:2' (2 Pieces are ordered and but not invoiced)

DESADV variant – delivery quantity and free goods quantity

This consistency is given in all subsequent messages. However, note that the indication of the quantity is not fully reflected in the DESADV / ORDRSP / INVOIC as the ORDERS.

This results as in the following messages the delivered / accepted / billed quantity in the EDI message is represented.

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

LIN+1++9012345000001:SRV'
PIA+1+123456:IN'
IMD+A+++::Product name'
QTY+12:10' (10 Pieces are delivered and invoiced)

LIN+2++9012345000001:SRV'
PIA+1+123456:IN'
IMD+A+++::Product name'
QTY+192:2' (2 Pieces are delivered but not invoiced)

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 billed.

LIN+1++9012345000001:SRV'
PIA+1+123456:IN'
IMD+A+++::Product name'
QTY+47:10' (10 Pieces are delivered and invoiced)

LIN+2++9012345000001:SRV'
PIA+1+123456:IN'
IMD+A+++::Product name'
QTY+192:2' (2 Pieces are delivered but not invoiced)

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
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 : 23				
Data element group/Data element	EDIFACT	ANW	*	Description
3239 Country of origin name code	C an..3	N		
9213 Duty regime type code	C an..3	N		
4183 Special condition code	C an..3	M	*	5 = Item not to be included in bonus calculation
4183 Special condition code	C an..3	N		
4183 Special condition code	C an..3	N		
4183 Special condition code	C an..3	N		
4183 Special condition code	C an..3	N		
<u>Segment notes</u>				
- Item not to be included in bonus calculation; Optional; A/N 3 ALI+++5'				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
SG27 - C 2 - MOA				
MOA - M 1 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 24				
Data element group/Data element	EDIFACT	ANW	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	203 = Line item amount 131 = Total charges/allowances
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>				
In this segment, net position value, excluding VAT is specified, that means any allowances and charges are already included.				
- Line item amount; Mandatory; N 10+3 MOA+203:3500'				
-Sum of total charges/allowances for the actual position; Optional; N 10+3 The amount has to appear with the right prefix (+/-) ! MOA+131:-1.65' - Allowances for this position are 1,65 EURO.				
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-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39					
SG28 - C 1 - PAT-PCD					
PAT - M 1 - Payment terms basis					
Function : To specify the payment terms basis.					
Notes: 1. This segment will be removed effective with directory D.02B.					
Segment number : 25					
Data element group/Data element	EDIFACT	ANW	*	Description	
4279 Payment terms type code qualifier	M an..3	M	*	22 = Discount	
C110 Payment terms	C	N			
4277 Payment terms description identifier	M an..17				
1131 Code list identification code	C an..17				
3055 Code list responsible agency code	C an..3				
4276 Payment terms description	C an..35				
4276 Payment terms description	C an..35				
C112 Terms/time information	C	N			
2475 Time reference code	M an..3				
2009 Terms time relation code	C an..3				
2151 Period type code	C an..3				
2152 Period count quantity	C n..3				
<u>Segment notes</u>					
Trigger-Segment for the following PCD-Segment. It is used to provide the discount percentage in the detail section.					
Example: PAT+22'					

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
SG28 - C 1 - PAT-PCD				
PCD - C 1 - Percentage details				
Function : To specify percentage information.				
Segment number : 26				
Data element group/Data element	EDIFACT	ANW	*	Description
C501 Percentage details	M	M		
5245 Percentage type code qualifier	M an..3	M	*	12 = Discount
5482 Percentage	C n..10	R		
5249 Percentage basis identification code	C an..3	N		
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
4405 Status description code	C an..3	N		
<u>Segment notes</u>				
- Discount percentage (only if different from Header); Optional; N 2+2 PCD+12:3'				
Remark: Value "0" is also allowed when no discount is granted.				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
SG29 - M 2 - PRI				
PRI - M 1 - Price details				
Function : To specify price information.				
Segment number : 27				
Data element group/Data element	EDIFACT	ANW	*	Description
C509 Price information	C	R		
5125 Price code qualifier	M an..3	M	*	AAA = Calculation net AAB = Calculation gross
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'				
- Gross calculation price (DE5125 = AAB); Mandatory*); N 7+3 PRI+AAB:60' Gross calculation price = price without VAT and before consideration of all charges/allowances				
*) One of the two prices must be specified.				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
SG30 - C 1 - RFF				
RFF - M 1 - Reference				
Function : To specify a reference.				
Segment number : 28				
Data element group/Data element	EDIFACT	ANW	*	Description
C506 Reference	M	M		
1153 Reference code qualifier	M an..3	M	*	ON = Order number (buyer)
1154 Reference identifier	C an..70	M		
1156 Document line identifier	C an..6	D		Line number from the buyer's order
4000 Reference version identifier	C an..35	N		
1060 Revision identifier	C an..6	N		
<u>Segment notes</u>				
This segment is to be used in case when different order numbers exist or when a line reference needs to be provided (= same order number as on head level.				
- Order number (or line reference) (DE1153=ON); Optional; A/N 16 RFF+ON:ABF1254:3'				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
SG34 - C 1 - TAX				
TAX - M 1 - Duty/tax/fee details				
Function : To specify relevant duty/tax/fee information.				
Segment number : 29				
Data element group/Data element	EDIFACT	ANW	*	Description
5283 Duty or tax or fee function code qualifier	M an..3	M	*	7 = Tax
C241 Duty/tax/fee type	C	D		
5153 Duty or tax or fee type name code	C an..3	R	*	VAT = Value added 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	N		
5289 Duty or tax or fee account code	M an..6	N		
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 detail	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		
<u>Segment notes</u>				

- Value added tax for the actual position; Mandatory *); N 2+2
TAX+7+VAT+++:::20+S'

Remark to DE 5278 and DE 5305:

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

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39
 SG39 - C 15 - ALC-SG41-SG42

ALC - M 1 - Allowance or charge

Function : To identify allowance or charge details.
 Segment number : 30

Data element group/Data element	EDIFACT	ANW	*	Description
5463 Allowance or charge code qualifier	M an..3	M	*	A = Allowance C = Charge
C552 Allowance/charge information	C	N		
1230 Allowance or charge identifier	C an..35			
5189 Allowance or charge identification code	C an..3			
4471 Settlement means code	C an..3	N		
1227 Calculation sequence code	C an..3	D		1 = First step of calculation 2 = Second step of calculation etc.
C214 Special services identification	C	R		
7161 Special service description code	C an..3	R		DI = Discount FC = Freight charge
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
7160 Special service description	C an..35	N		
7160 Special service description	C an..35	N		

Segment notes
 Allowance/Charge; Optional; A/N 3

Allowance in percent is represented by using the combination: ALC-Segment + PCD-Segment (Allowance in a monetary amount is represented by using the combination: ALC Segment + MOA Segment).

Example:
 Allowance 10%
 ALC+A++++DI'
 PCD+3:10'

Allowance as a monetary amount (Currency, see the CUX-Segment)
 ALC+A++++DI'
 MOA+8:20'

Charges for freight costs
 ALC+C++++FC'
 MOA+8:5'

Examples and details of the discount illustration can be found in the Appendix.

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
SG39 - C 15 - ALC-SG41-SG42				
SG41 - C 1 - PCD				
PCD - M 1 - Percentage details				
Function : To specify percentage information.				
Segment number : 31				
Data element group/Data element	EDIFACT	ANW	*	Description
C501 Percentage details	M	M		
5245 Percentage type code qualifier	M an..3	M	*	3 = Allowance or charge
5482 Percentage	C n..10	R		Percentage
5249 Percentage basis identification code	C an..3	N		
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	N		
4405 Status description code	C an..3	N		
<u>Segment notes</u>				
- Allowance/charge as a percentage; Optional N 2+2; (see ALC-Segment) PCD+3:10'				
Remarks about the presentation of a discount at item level-please see ALC segment.				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-ALI-SG27-SG28-SG29-SG30-SG34-SG39				
SG39 - C 15 - ALC-SG41-SG42				
SG42 - C 2 - MOA				
MOA - M 1 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 32				
Data element group/Data element	EDIFACT	ANW	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	8 = Allowance or charge amount 25 = Charge/allowance basis
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>				
This segment is used to set the base amount for calculating allowances or charges				
- Allowances -/charges amount (DE5025 =8); Optional; N 7+3				
MOA+8:2000'				
- Charge/allowance basis (DE5025 = 25); Optional ; N 7+3				
MOA+25:798.336'				
Remarks about the presentation of a discount at item level-please see ALC segment.				

UNS - M 1 - Section control				
Function : To separate header, detail and summary sections of a message.				
Notes: 1. To be used by message designers when required to avoid ambiguities. Mandatory only if specified for the type of message concerned.				
Segment number : 33				
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 4 - MOA				
MOA - M 1 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 34				
Data element group/Data element	EDIFACT	ANW	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	79 = Total line items amount 176 = Message total duty/tax/fee amount 52 = Discount 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>				
- Total line items amount (DE5025 = 79); Mandatory *); N 11+2: MOA+79:4000'				
- Message total duty/tax/fee amount (DE5025 = 176); Optional; N 11+2 MOA+176:4000'				
- Invoice amount (Total line items amount plus charges and VAT, minus allowances) (DE5025 = 77); Mandatory; N 11+2 MOA+77:4000'				
- Discount amount, only on base of the gross calculation price (incl. VAT) (DE5025 = 52); Optional; N 11+2 MOA+52:200'				

SG52 - M 10 - TAX-MOA				
TAX - M 1 - Duty/tax/fee details				
Function : To specify relevant duty/tax/fee information.				
Segment number : 35				
Data element group/Data element	EDIFACT	ANW	*	Description
5283 Duty or tax or fee function code qualifier	M an..3	M	*	7 = Tax
C241 Duty/tax/fee type	C	R		
5153 Duty or tax or fee type name code	C an..3	R	*	VAT = Value added 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	N		
5289 Duty or tax or fee account code	M an..6	N		
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 detail	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
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		
<u>Segment notes</u>				
This segment is used to specify the VAT percentages for the total invoice The VAT amounts are specified in the following MOA segment.				

- VAT - tax rate; Mandatory; N 2+2 (to be repeated for each tax rate)

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

Remark to DE 5278 and DE 5305:

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

SG52 - M 10 - TAX-MOA				
MOA - M 2- Monetary amount				
Function : To specify a monetary amount.				
Segment number : 36				
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 : 37					
Data element group/Data element	EDIFACT	ANW	*	Description	
0074 Number of segments in the message	M n..6	M		Sum of all segments	
0062 Message reference number	M an..14	M		Reference number from the UNH-Segment is to be repeated.	
<u>Segment notes</u>					
This segment is a mandatory UN/EDIFACT segment.					
Example: UNT+35+ME000001'					

UNZ - M 1 - Interchange trailer				
Function : To end and check the completeness of an interchange.				
Segment number : 38				
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'				

Examples:

Minimal occurrence:

UNH+90+INVOIC:D:01B:UN:EAN010'	Message trailer
BGM+380+54+9'	Invoice number
DTM+137:20090107:102'	Message date
RFF+DQ:75'	Delivery note number
DTM+171:20090107:102'	Reference date
RFF+ON:32298'	Number of the order
DTM+171:20091011:102'	Reference date
NAD+SU+9012345000011::9++Lieferant-Name:Lieferant-Name:Lieferant-Name+MUSTERPLATZ 12+WIEN++1160+AT'	Supplier
RFF+VA:AT3929292'	VAT registration number
NAD+BY+9012345000004::9++Käufer-Name:Käufer-Name:Käufer-Name+MUSTERPLATZ 5+WIEN++1190+AT'	Buyer
RFF+VA:AT3929291'	VAT registration number
CUX+2:EUR:4'	Currency
LIN+1+++9099999012560:SRV'	1. item
QTY+47:200'	Quantity
MOA+203:1980'	Line item amount

PRI+AAA:9.9'	Price
TAX+7+VAT++++:::20'	VAT
LIN+2++9099999026543:SRV'	2. item
QTY+47:70'	Quantity
MOA+203:1260'	Line item amount
PRI+AAA:18'	Price
TAX+7+VAT++++:::20'	VAT
UNS+S'	Section control
MOA+79:3240'	Total line items amount
MOA+77:3888'	Invoice amount
TAX+7+VAT++++:::20'	VAT
MOA+125:3240'	Taxable amount
MOA+124:648'	Tax amount
UNT+30+90'	Message trailer

Maximal occurrence:

UNH+90+INVOIC:D:01B:UN:EAN010'	Message trailer
BGM+380+54+9'	Invoice number
DTM+137:20090107:102'	Message date
DTM+35:20091017:102'	Delivery note number
RFF+DQ:75'	Reference date
DTM+171:20090107:102'	Number of the order
RFF+ON:32298'	Reference date
DTM+171:20091011:102'	Message trailer
RFF+ACD:678'	Additional reference number
NAD+SU+9012345000011::9++Lieferant- Name:Lieferant-Name:Lieferant- Name+MUSTERPLATZ 12+WIEN++1160+AT'	Supplier
RFF+VA:AT3929292'	VAT registration number
NAD+BY+9012345000004::9++Käufer- Name:Käufer-Name:Käufer- Name+MUSTERPLATZ 5+WIEN++1190+AT'	Buyer
RFF+VA:AT3929292'	VAT registration number
RFF+CR:2136547'	Customer reference number
NAD+DP+9002233430181::9'	Delivery party
NAD+IV+9002233000001::9'	Invoicee
NAD+II+9002233000001::9'	Issuer of invoice
CUX+2:EUR:4'	Currency
PAT+1++5:3:D:31'	Net payment terms
PAT+22++5:3:D:30'	Discount terms in days
PCD+12:3'	Discount terms percent
PAT+22++66'	Value date
DTM+209:20050605:102'	Value date
LIN+1++9099999012560:SRV'	1. item
PIA+1+9438444:SA'	Internal number of the supplier

IMD+A++:::ACTIVEVELLE 3x28 FTBL'	Free text
QTY+47:70'	Quantity
ALI+++5'	Item not to be included in bonus calculation
MOA+203:2400'	Line item amount
MOA+131:-109,3'	Sum allowances/charges for the current position
PAT+22'	Discount
PCD+12:3'	3%
PRI+AAA:9.9'	Price
PRI+AAB:11.9'	Calculation gross
TAX+7+VAT++++:::20'	VAT
ALC+A+++1+DI'	Allowance- 1. Step of calculation
PCD+3:10'	Percent rate
ALC+A+++2+DI'	2. step of calculation
MOA+8:26'	Allowance amount
MOA+25:2376'	Allowance basis
LIN+2++9099999026543:SRV'	2. item
IMD+A++:::ACTIVEVELLE 2x28 MZI'	Free text
QTY+47:70'	Quantity
MOA+203:1260'	Line item amount
PRI+AAA:18'	Price
TAX+7+VAT++++:::20'	VAT
LIN+3++9099999026500:SRV'	3. item
IMD+A++:::ACTIVEVELLE 6 MZI'	Free text
QTY+47:0'	Quantity being invoiced
QTY+192:6'	Free goods quantity
MOA+203:0'	Line item amount
PRI+AAA:18'	Price
TAX+7+VAT++++:::20'	VAT
UNS+S'	Section control
MOA+79:3660'	Total line items amount
MOA+176:732'	Invoice amount
MOA+77:4392'	VAT
TAX+7+VAT++++:::20'	Taxable amount
MOA+125:3660'	Tax amount
MOA+124:732'	Message trailer
UNT+65+90'	Total line items amount

Examples for representation of a discount:**Variant: one step discount respectively only one discount per position**

LIN+1++9099999300476:SRV'	Item
IMD+A++:::Salzstangerl500g'	Item free text description
QTY+47:70'	Invoiced quantity
MOA+203:40.74'	Line item amount
MOA+131:-1.26'	Sum of total charges/allowances for the actual position
PRI+AAB:0.60'	Calculation gross
PRI+AAA:0.582'	Net price
TAX+7+VAT+++:::10+S'	VAT
ALC+A+++1+DI'	Step of calculation
PCD+3:3'	Percent rate

Variant: one step of calculation but with a discount as a percentage and a discount as an amount

LIN+1++9099999300476:SRV'	Item
IMD+A++:::Salzstangerl500g'	Item free text description
QTY+47:70'	Invoiced quantity
MOA+203:38.74'	Line item amount
MOA+131:-3.26'	Sum of total charges/allowances for the actual position
PRI+AAB:0.60'	Calculation gross
PRI+AAA:0.553'	Net price
TAX+7+VAT+++:::10+S'	VAT
ALC+A+++1+DI'	1.step of calculation
PCD+3:3'	Percent rate
ALC+A+++1+DI'	1.step of calculation
MOA+25:42'	Calculation basis
MOA+8:2'	Amount

Variant: one step of calculation with two different discounts in percent

LIN+1++9099999300476:SRV'	Item
IMD+A++:::Salzstangerl500g'	Item free text description
QTY+47:70'	Invoiced quantity
MOA+203:40.32'	Line item amount
MOA+131:-1,68'	Sum of total charges/allowances for the actual position
PRI+AAB:0.60'	Calculation gross
PRI+AAA:0.576'	Net price
TAX+7+VAT+++:::10+S'	VAT
ALC+A+++1+DI'	1.step of calculation
PCD+3:3'	Percent rate

ALC+A+++1+DI'	1.step of calculation
PCD+3:1'	Percent rate
MOA+25:42'	Calculation basis

Variant: two steps of calculation; two discounts in percent

LIN+1++9099999300476:SRV'	Item
IMD+A+++:::Salzstangerl500g'	Item free text description
QTY+47:70'	Invoiced quantity
MOA+203:40.13'	Line item amount
MOA+131:-1.87'	Sum of total charges/allowances for the actual position
PRI+AAB:0.60'	Calculation gross
PRI+AAA:0.573'	Net price
TAX+7+VAT++++:::10+S'	VAT
ALC+A+++1+DI'	1.step of calculation
PCD+3:3'	Percent rate
ALC+A+++2+DI'	2.step of calculation
PCD+3:1.5'	Percent rate

Variant: two steps of calculation, one discount in percent and one discount as an amount

LIN+1++9099999300476:SRV'	Item
IMD+A+++:::Salzstangerl500g'	Item free text description
QTY+47:70'	Invoiced quantity
MOA+203:38.74'	Line item amount
MOA+131:-3.26'	Sum of total charges/allowances for the actual position
PRI+AAB:0.60'	Calculation gross
PRI+AAA:0.553'	Net price
TAX+7+VAT++++:::10+S'	VAT
ALC+A+++1+DI'	1.step of calculation
PCD+3:3'	Percent rate
ALC+A+++2+DI'	2.step of calculation
MOA+8:2'	Amount