



Harmonized Guideline Minimal Requirements INVOIC (Commercial Invoice)

**GS1 Austria, GS1 Czech Republic, GS1 Slovakia
EANCOM 2002 (Syntax 4)
Version 1.2**

Message Type:	INVOIC
Message Version:	010 (EANCOM)
Responsible Agency:	GS1 Austria, GS1 Czech Republic, GS1 Slovakia
Directory Name:	EDIFACT
Directory Version:	D.01

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Changes to Version 1.0:

Segment group / segment	Data element	Old value	New value	Description
Security segments : SG1 / USH	S500 / 0577			Qualifier 1 (= Message receiver) corrected to qualifier 2 (= Message receiver).
Security segments: SG1 / USH	S501/0517			Segment notes / remark to DE 0517 changed: "Remark DE 0517: In Czech Republic and Slovakia only qualifier 5 is used."
Security segments: SG2 / USA	S502/0591			Segment notes / remark to DE 0591 changed: " Remark DE 0591: In Czech Republic and Slovakia only qualifiers 11 (= PKCS #1 signature padding) and 16 (= RSASA-PKCS-v1_5) are used!"

Changes to Version 1.1:

Segment group / segment	Data element	Old value	New value	Description
Security segments : SG1/USA				Segment notes: 'Remark DE 0527: Qualifier 48 is not used in Austria' deleted. Qualifier 48 is valid also in Austria.
Security segments: SG2/ USA	S502/0591			Qualifier 7 = ISO 9796 #2 padding - deleted.

1. Introduction

This document describes a minimal common invoice message with digital signature for the countries: Austria, Czech Republic and Slovakia. The digital signature part is based on the Header/Trailer approach in EANCOM 2002 format.

The intention is to transmit the invoice data and the digital signature in one Interchange using Syntax Version 4.

For this purpose first the invoice itself is generated in EANCOM format. After that the first 4 security segments are added and then through these segments the digital signature is generated.

This document begins with description of INVOIC message, followed by a detailed description of the security segments. The document ends with an example of a whole interchange.

Before legislative regulations regarding electronic invoicing were created for pre-tax allowance purposes only invoices in paper form and handed over personally, per fax or by mail were allowed.

It was already possible to exchange invoices electronically but only for the purposes of the automatic data processing. By this reason the electronic exchange of invoices was practised mostly only by long term business partners.

By this approach it was necessary at the end of each invoicing period to create one additional collective invoice in paper form. According to the EU regulations it is also allowed to provide invoices in electronic form on condition that the receiver accepts this. However authenticity and integrity of the data must be ensured.

The digital signature serves in this legal context as a seal for digital data generated by using a private key. Through a related public signature key marked with a signature key certificate of the security party it lets recognize the authenticity of the signature key holder and the integrity of the data.

The purpose of the digital signature is therefore to protect the electronic data against manipulations or to make eventual changes recognizable.

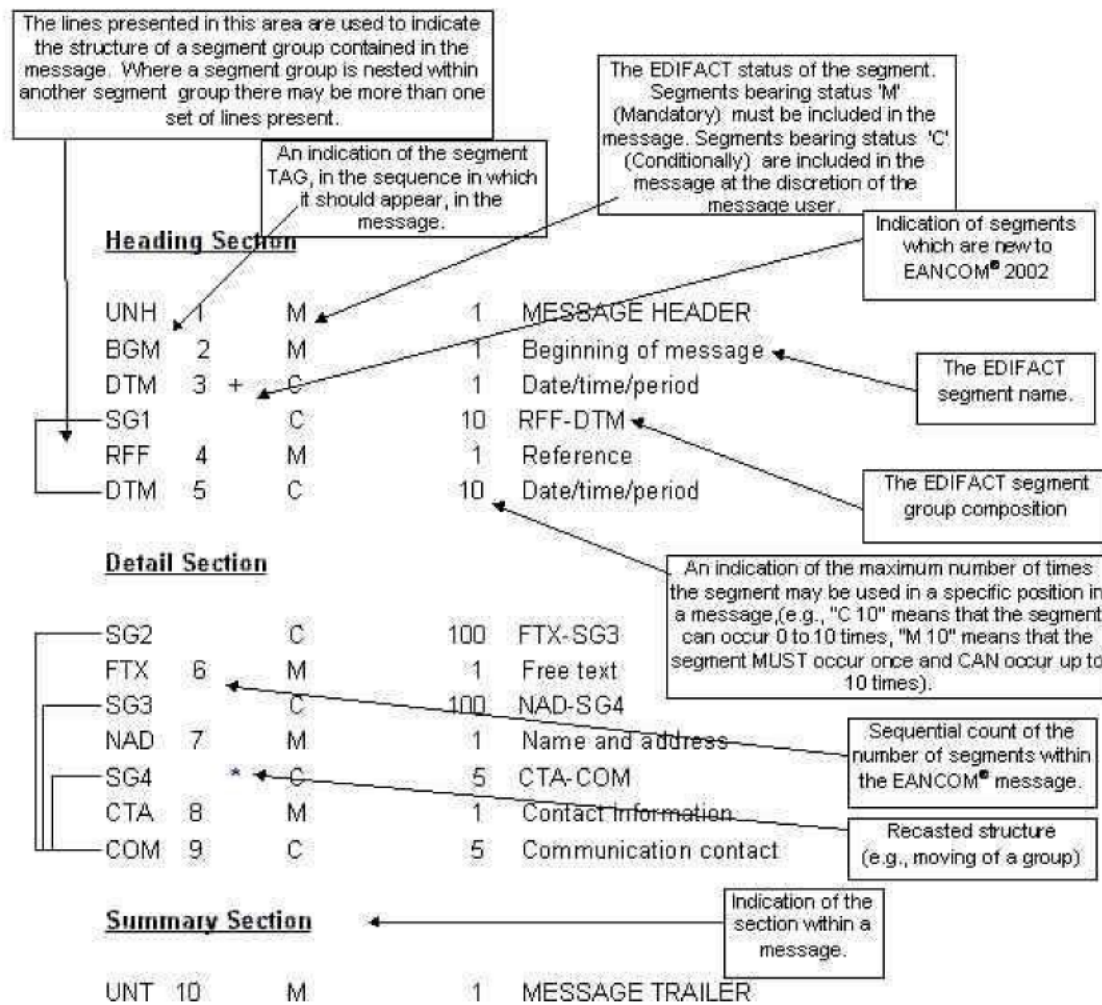
Document structure

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:



2. 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 the message
	DTM	5	M	3	Message date
	DTM	6	M		Delivery date
	DTM	7	M		Date of taxable fulfilment
—	SG1		M	3	RFF-DTM
—	RFF	8	M	1	Order number (buyer)
—	DTM	9	C	1	Order date (buyer)
—	SG1		M		RFF-DTM
—	RFF	10	M		Delivery note number
—	DTM	11	C		Delivery note date
—	SG1		M		RFF-DTM
—	RFF	12	M		Reference invoice number
—	DTM	13	C		Invoice date
—	SG2		M	6	NAD-SG3-SG3-SG3
—	NAD	14	M	1	Identification of buyer
—	SG3		M	3	RFF
—	RFF	15	M	1	VAT registration number (buyer)
—	SG3		M		RFF
—	RFF	16	M		Government reference number (buyer)
—	SG3		M		RFF
—	RFF	17	M		Fiscal number (buyer)
—	SG2		M		NAD-SG3-SG3-SG3-SG3
—	NAD	18	M		Identification of supplier
—	SG3		M		RFF
—	RFF	19	M		VAT registration number (supplier)
—	SG3		M		RFF
—	RFF	20	M		Governmental reference number (supplier)
—	SG3		M		RFF
—	RFF	21	M		Fiscal number (supplier)
—	SG3		M		RFF
—	RFF	22	M		Registered capital reference (supplier)
—	SG2		C		NAD
—	NAD	23	M		Identification of delivery party
—	SG2		C		NAD
—	NAD	24	M		Identification of ordered by party
—	SG2		C		NAD-SG3
—	NAD	25	M		Identification of Invoicee
—	SG3		M		RFF
—	RFF	26	M		VAT registration number of the Invoicee

—	SG2		C
└	NAD	27	M

NAD-SG3
Identification of Issuer of invoice

SG3		M		RFF
RFF	28	M		VAT registration number of the issuer of invoice
SG7		M	1	CUX
CUX	29	M	1	Invoice currency
SG8		M	1	PAT-DTM
PAT	30	M	1	Payment terms
DTM	31	M	1	Due date
SG26		M	9999999	LIN-PIA-IMD-QTY-QTY-SG27-SG29-SG34
LIN	32	M	1	Article identification
PIA	33	C	1	Supplier's article number (SA)
IMD	34	M	1	Article description
QTY	35	M	2	Invoiced quantity
QTY	36	C		Free goods quantity
SG27		M	1	MOA
MOA	37	M	1	Line item amount
SG29		M	1	PRI
PRI	38	M	1	Net price
SG34		M	1	TAX
TAX	39	M	1	VAT for the actual position
UNS	40	M	1	Section control
SG50		M	3	MOA
MOA	41	M	1	Total line items amount
SG50		M		MOA
MOA	42	M		Invoice amount
SG50		C		MOA
MOA	43	M		Message total duty/tax/fee amount
SG52		M	2	TAX-MOA-MOA
TAX	44	M	1	VAT - tax rate
MOA	45	M	2	Taxable amount
MOA	46	M		Tax amount
SG52		M		TAX-MOA
TAX	47	M		Excise duty
MOA	48	M		Excise duty - amount
UNT	49	M	1	Message trailer
UNZ	50	M	1	Interchange trailer

4. BUSINESS TERMS

Business term	Description	Status	Format	Segment		Data element		
Invoice type	Commercial Invoice or 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	
Date of taxable fulfilment	not used in Austria	M	D 8	DTM	C507	2380	Date or time or period value	
Order number assigned by the buyer	to which delivery / invoice refers, optional by credit note	M	A/N 16	SG1	RFF	C506	1154	Reference identifier
Order date		O	D8	SG1	DTM	C507	2380	Date or time or period value
Delivery note number	optional by credit note	M	A/N 16	SG1	RFF	C506	1154	Reference identifier
Delivery note date		O	D8	SG1	DTM	C507	2380	Date or time or period value
Invoice number	Invoice reference number (only by credit note)	M	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	M	N 13	SG2	NAD	C082	3039	Party identifier
Company name	for BY	M	A/N 3x 35	SG2	NAD	C080	3036	Party name
Street	for BY	O	A/N 2x 35	SG2	NAD	C059	3042	Street and number or post office b
City	for BY	M	A/N 35	SG2	NAD		3164	City name
Postal code	for BY	M	A/N 17	SG2	NAD		3251	Postal identification code
Country name code	for BY	O	A/N 3	SG2	NAD		3207	Country name code

Business term	Description	Status	Format	Segment	Data element
VAT registration number (buyer)		M	A/N 20	SG3 RFF	C506 1154 Reference identifier
Government reference number (buyer)	not used in Austria	M	N 8	SG3 RFF	C506 1154 Reference identifier
Fiscal number (buyer)	not used in Czech Republic and Austria	M	N 10	SG3 RFF	C506 1154 Reference identifier
Supplier	GLN	M	N 13	SG2 NAD	C082 3039 Party identifier
Company name	for SU	M	A/N 3x 35	SG2 NAD	C080 3036 Party name
Street	for SU	O	A/N 2x 35	SG2 NAD	C059 3042 Street and number or post office b
City	for SU	M	A/N 35	SG2 NAD	3164 City name
Postal code	for SU	M	A/N 17	SG2 NAD	3251 Postal identification code
Country name code	for SU	O	A/N 3	SG2 NAD	3207 Country name code
VAT registration number (supplier)		M	A/N 20	SG3 RFF	C506 1154 Reference identifier
Government reference number (supplier)	not used in Austria	M	N 8	SG3 RFF	C506 1154 Reference identifier
Fiscal number (supplier)	not used in Czech Republic and Austria	M	N 10	SG3 RFF	C506 1154 Reference identifier
Registered capital reference (supplier)	not used in Austria	M	A/N 70	SG3 RFF	C506 1154 Reference identifier
Delivery party	GLN, only if not identical with the buyer	O	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

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
Company name	for IV	M	A/N 3x 35	SG2 NAD	C080 3036 Party name
Street	for IV	O	A/N 2x 35	SG2 NAD	C059 3042 Street and number or post office b
City	for IV	M	A/N 35	SG2 NAD	3164 City name
Postal code	for IV	M	A/N 17	SG2 NAD	3251 Postal identification code
Country name code	for IV	O	A/N 3	SG2 NAD	3207 Country name code
VAT registration number (Invoicee)		M	A/N 20	SG3 RFF	C506 1154 Reference identifier
Issuer of invoice	GLN, only if not identical with the supplier	O	N 13	SG2 NAD	C082 3039 Party identifier
Company name	for II	M	A/N 3x 35	SG2 NAD	C080 3036 Party name
Street	for II	O	A/N 2x 35	SG2 NAD	C059 3042 Street and number or post office b
City	for II	M	A/N 35	SG2 NAD	3164 City name
Postal code	for II	M	A/N 17	SG2 NAD	3251 Postal identification code
Country name code	for II	O	A/N 3	SG2 NAD	3207 Country name code
VAT registration number	for II	M	A/N 20	SG3 RFF	C506 1154 Reference identifier
Currency		M	A/N 3	SG7 CUX	C504 6345 Currency identification code
Due date	Not used in Austria	M	D 8	SG8 DTM	C507 2380 Date or time or period value
Invoice line number	No positions after decimal place allowed	M	N 6	SG26 LIN	1082 Line item identifier
Article	EAN	M	N 14	SG26 LIN	C212 7140 Item identifier

Business term	Description	Status	Format	Segment	Data element
Supplier's article number		O	A/N 25	SG26 PIA	C212 7140 Item identifier
Article description		M	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
Measurement unit	only used for variable quantity products (unit is not equal piece)	O	A/N 3	SG26 QTY	C186 6411 Measurement unit code
Free goods quantity	Delivered quantity that is not being invoiced, related to EAN	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
Net price		M	N 7+3	SG29 PRI	C509 5118 Price amount
VAT rate	on position level	M	N 2+2	SG34 TAX	C243 5278 Duty or tax or fee rate
Total line items amount	sum of all line item amounts	M	N 11+2	SG50 MOA	C516 5004 Monetary amount
Invoice 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
VAT rate group		M	N 5	SG52 TAX	C243 5278 Duty or tax or fee rate code
VAT rate	on summary level	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

Business term	Description	Status	Format	Segment	Data element
Excise duty	Not used in Austria	M	A/N 3	SG52 TAX	C241 5153 Duty or tax or fee type name code
Excise duty amount	Not used in Austria	M	N 11+2	SG52 MOA	C516 5004 Monetary amount

4. Segment description INVOIC

UNA - C 1 - Service string advice				
<p>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.</p> <p>Segment number : 1</p>				
Data element group/Data element	EDIFACT	EAN	*	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	*	Separator sign ("*")
UNA6 Segment terminator	M an1	M	*	Used to indicate the end of a segment (default value: "' '")
<p><u>Segment notes</u></p> <p>This segment is used to inform the receiver of the interchange that in the following message is used a set of service string characters which is different from the default one.</p> <p>When using the default set of service characters, the UNA segment is not sent. In the case when UNA Segment is sent, it must immediately precede the UNB segment and contain the six service string characters defined in UNA1 to UNA6).</p> <p>Regardless of whether or not all of the service string characters have been 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 no element separators are used</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 identify an interchange.				
Segment number : 2				
Data element group/Data element	EDIFACT	EAN	*	Description
S001 Syntax identifier	M	M		
0001 Syntax identifier	M a4	M	*	UNOA = UN/ECE level A UNOB = UN/ECE level B UNOC = UN/ECE level C UNOD = UN/ECE level D UNOE = UN/ECE level E UNOF = UN/ECE level F
0002 Syntax version number	M an1	M	*	4 = Version 4
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		CCYYMMDD
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			

Data element group/Data element	EDIFACT	EAN	*	Description
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-DISI = Indicator for Digital Signature
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 sending and receiving parties of the interchange. The principle of the UNB segment is the same as of a physical envelope which covers one or more letters or documents and provides the sender's and receiver's addresses.

DE 0001: The default character set in Slovakia and Czech Republic is UNOD, in Austria UNOC in case of Invoice with digital signature.

If users wish to use character sets other than the default ones, they should agree on the exact character set with their partners before starting the data exchange.

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 about the address in the sender's system to which responding interchanges must be sent. It is recommended to use GLN 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 in the recipient's system, to which the interchange should be routed. It is recommended to use GLN 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.

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 is 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 Digital Signature in order to facilitate the automatic processing of the interchange.

Example:

UNB+UNOC:4+9099999300314:14+8798765432106:14+20060102:1000+12345555++++EANCOM-DISI'

UNH - M 1 - Message header				
Function : To head, identify and specify a message.				
Segment number : 3				
Data element group/Data element	EDIFACT	EAN	*	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, coded	M an..3	M	*	UN = UN/CEFACT
0057 Association assigned code	C an..6	R	*	EAN010 = EAN version control number (EAN Code)
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			

Data element group/Data element	EDIFACT	EAN	*	Description
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			
<u>Segment notes</u> Example: UNH+ME0001+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	EAN	*	Description
C002 Document/message name	C	R		
1001 Document name code	C an..3	R	*	380 = Commercial invoice 381 = Credit note - goods and services Invoice type
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. Invoice or Credit note number
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>				
- Message type (DE1001), Mandatory ; A/N 3				
- Invoice number (DE1004); Mandatory; A/N 16 (AT); A/N 15 (CZ, SK)				
BGM+380+200099+9'				
Remark: Please be aware that the maximal allowed invoice number for Czech Republic and Slovakia is limited to 15 characters !				

DTM - M 1/3 - Date/time/period				
Function : To specify date, and/or time, or period.				
Segment number : 5				
Data element group/Data element	EDIFACT	EAN	*	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
2380 Date or time or period value	C an..35	R		Message date
2379 Date or time or period format code	C an..3	R	*	102 = CCYYMMDD
<u>Segment notes</u>				
- Invoice / Credit note date (DE2005 = 137); Mandatory; D 8 DTM+137:20090522:102'				

DTM - M 2/3 - Date/time/period				
Function : To specify date, and/or time, or period.				
Segment number : 6				
Data element group/Data element	EDIFACT	EAN	*	Description
C507 Date/time/period	M	M		
2005 Date or time or period function code qualifier	M an..3	M	*	35 = Delivery date/time, actual
2380 Date or time or period value	C an..35	R		Delivery date
2379 Date or time or period format code	C an..3	R	*	102 = CCYYMMDD
<u>Segment notes</u>				
- Delivery date (DE2005 = 35); Mandatory; D 8 DTM+35:20090615:102'				

DTM - M 3/3 - Date/time/period				
Function : To specify date, and/or time, or period.				
Segment number : 7				
Data element group/Data element	EDIFACT	EAN	*	Description
C507 Date/time/period	M	M		
2005 Date or time or period function code qualifier	M an..3	M	*	325 = Tax period
2380 Date or time or period value	C an..35	R		Date of taxable fulfilment
2379 Date or time or period format code	C an..3	R	*	102 = CCYYMMDD
<u>Segment notes</u>				
- Date of taxable fulfilment (DE2005 = 325); Mandatory *); D 8 DTM+325:20090615:102'				
*) Remark DE 2005: Qualifier 325 is used in Czech Republic and Slovakia. Not used in Austria.				

SG1 - M 1/3 - RFF-DTM				
RFF - M 1 - Reference				
Function : To specify a reference.				
Segment number : 8				
Data element group/Data element	EDIFACT	EAN	*	Description
C506 Reference	M	M		
1153 Reference code qualifier	M an..3	M	*	ON = Order number (buyer)
1154 Reference identifier	C an..70	R		Order number assigned by the buyer
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 15 (CZ; SK) A/N 16 (AT) RFF+ON:234'				
Remark: Please be aware that the maximal allowed order number for Czech Republic and Slovakia is limited to 15 characters!				

SG1 - M 1/3 - RFF-DTM				
DTM - C 1 - Date/time/period				
Function : To specify date, and/or time, or period.				
Segment number : 9				
Data element group/Data element	EDIFACT	EAN	*	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		Order date
2379 Date or time or period format code	C an..3	R	*	102 = CCYYMMDD
<u>Segment notes</u>				
- Order date; Optional; D 8 DTM+171:20060602:102'				

SG1 - M 2/3 - RFF-DTM				
RFF - M 1 - Reference				
Function : To specify a reference.				
Segment number : 10				
Data element group/Data element	EDIFACT	EAN	*	Description
C506 Reference	M	M		
1153 Reference code qualifier	M an..3	M	*	DQ = Delivery note number
1154 Reference identifier	C an..70	R		Delivery note number
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>				
- Delivery note number (DE1153 = DQ); Mandatory by Invoice (Optional by Credit note); A/N 16 (AT); A/N 15 (CZ, SK) RFF+DQ:1234'				
Remark: Please be aware that the maximal allowed delivery note number for Czech Republic and Slovakia is limited to 15 characters !				

SG1 - M 2/3 - RFF-DTM				
DTM - C 1 - Date/time/period				
Function : To specify date, and/or time, or period.				
Segment number : 11				
Data element group/Data element	EDIFACT	EAN	*	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		Delivery note date
2379 Date or time or period format code	C an..3	R	*	102 = CCYYMMDD
<u>Segment notes</u>				
- Delivery note date; Optional; D 8				
DTM+171:20060602:102'				

SG1 - M 3/3 - RFF-DTM				
RFF - M 1 - Reference				
Function : To specify a reference.				
Segment number : 12				
Data element group/Data element	EDIFACT	EAN	*	Description
C506 Reference	M	M		
1153 Reference code qualifier	M an..3	M	*	IV = Invoice number
1154 Reference identifier	C an..70	R		Invoice number
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>				
- Reference invoice number (DE1153 = IV); Mandatory by Credit note (not used by Invoice); A/N 16 (AT); A/N 15 (CZ, SK) RFF+IV:5678'				
Remark: Please be aware that the maximal allowed reference invoice number for Czech Republic and Slovakia is limited to 15 characters !				

SG1 - M 3/3 - RFF-DTM				
DTM - C 1 - Date/time/period				
Function : To specify date, and/or time, or period.				
Segment number : 13				
Data element group/Data element	EDIFACT	EAN	*	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		Reference date
2379 Date or time or period format code	C an..3	R	*	102 = CCYYMMDD
<u>Segment notes</u>				
- Invoice date; Optional; D 8 DTM+171:20060602:102'				

SG2 - M 1/6 - 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 : 14				
Data element group/Data element	EDIFACT	EDIFACT	EAN	* Description
3035 Party function code qualifier	M an..3		M	*
C082 Party identification details	C		R	
3039 Party identifier	M an..35		M	GLN - Format n13 Buyer
1131 Code list identification code	C an..17		N	
3055 Code list responsible agency code	C an..3		R	*
C058 Name and address	C		N	9 = EAN (International Article Numbering Association)
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		M	
3036 Party name	M an..35		M	Company name
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		O	
3042 Street and number or post office box identifier	M an..35		M	Street
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		M	City

Data element group/Data element	EDIFACT	EAN	*	Description
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	M		Postal code
3207 Country name code	C an..3	M		Country name code
<u>Segment notes</u>				
- Buyer (DE3035 = BY); Mandatory; N 13 NAD+BY+901234500004::9++buyer name:buyer name+STREET 5+TOWN++1190+SK'				
Remark: Data element group C059 Street is set to status optional for Czech Republic and Slovakia. In Austria this DE group is mandatory.				

SG2	- M	1/6 -	NAD-SG3
SG3	- M	1/3 -	RFF
RFF	- M	1	- Reference
Function	:	To specify a reference.	
Segment number	:	15	
Data element group/Data element	EDIFACT	EAN	* Description
C506 Reference	M	M	
1153 Reference code qualifier	M an..3	M	* VA = VAT registration number
1154 Reference identifier	C an..70	R	VAT registration number (buyer)
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 of the buyer (DE1154); Mandatory; A/N 20 RFF+VA:AT3929292'			

SG2	- M	1/6 -	NAD-SG3
SG3	- M	2/3 -	RFF
RFF	- M	1	- Reference
Function	:	To specify a reference.	
Segment number	:	16	
Data element group/Data element	EDIFACT	EAN	* Description
C506 Reference	M	M	
1153 Reference code qualifier	M an..3	M	* GN = Government reference number
1154 Reference identifier	C an..70	R	Government reference number (buyer)
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>			
- Government reference number, in connection with BY (ICO) (DE1154); Mandatory ; N 8 RFF+GN:35654660'			
*) Remark DE 1153: Qualifier GN = Government reference number is used only in Czech Republic and Slovakia. Not used in Austria			

SG2	- M	1/6 -	NAD-SG3
SG3	- M	3/3 -	RFF
RFF	- M	1	- Reference
Function	:	To specify a reference.	
Segment number	:	17	
Data element group/Data element	EDIFACT	EAN	* Description
C506 Reference	M	M	
1153 Reference code qualifier	M an..3	M	* FC = Fiscal number
1154 Reference identifier	C an..70	R	Fiscal number (buyer)
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>			
- Fiscal number of the buyer (DIC) (DE1154); Mandatory *); N 10 RFF+FC:2020701375'			
*) Remark DE 1153: Qualifier FC = Fiscal number is used only in Slovakia. Not used in Austria and Czech Republic.			

SG2 - M 2/6 - 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 : 18				
Data element group/Data element	EDIFACT	EDIFACT	EAN	* Description
3035 Party function code qualifier	M an..3		M	*
C082 Party identification details	C		R	
3039 Party identifier	M an..35		M	GLN - Format n13 Supplier
1131 Code list identification code	C an..17		N	
3055 Code list responsible agency code	C an..3		R	*
C058 Name and address	C		N	9 = EAN (International Article Numbering Association)
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		M	
3036 Party name	M an..35		M	Company name
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		O	
3042 Street and number or post office box identifier	M an..35		M	Street
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		M	City

Data element group/Data element	EDIFACT	EAN	*	Description
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	M		Postal code
3207 Country name code	C an..3	M		Country name code
<u>Segment notes</u>				
- Supplier (DE3035 = SU); Mandatory; N 13 NAD+SU+901234500004::9++supplier name:supplier name:supplier name+STREET 5+TOWN++1190+SK'				
Remark: Data element group C059 Street is set to status optional for Czech Republic and Slovakia. In Austria this DE group is mandatory.				

SG2	- M	2/6 -	NAD-SG3
SG3	- M	1/4 -	RFF
RFF	- M		- Reference
Function	:	To specify a reference.	
Segment number	:	19	
Data element group/Data element	EDIFACT	EAN	* Description
C506 Reference	M	M	
1153 Reference code qualifier	M an..3	M	* VA = VAT registration number
1154 Reference identifier	C an..70	R	VAT registration number (supplier)
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 of the supplier (DE1154); Mandatory; A/N 20 RFF+VA:AT3929292'			

SG2	- M	2/6 -	NAD-SG3
SG3	- M	2/4 -	RFF
RFF	- M		- Reference
Function	:	To specify a reference.	
Segment number	:	20	
Data element group/Data element	EDIFACT	EAN	* Description
C506 Reference	M	M	
1153 Reference code qualifier	M an..3	M	* GN = Government reference number
1154 Reference identifier	C an..70	R	Government reference number (supplier)
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>			
- Government reference number, in connection with SU (ICO) (DE1154); Mandatory *); N 8 RFF+GN:35654660' (CZ; SK)			
*) Remark DE 1153: Qualifier GN = Government reference number is used only in Czech Republic and Slovakia. Not used in Austria			

SG2	- M	2/6 -	NAD-SG3
SG3	- M	3/4 -	RFF
RFF	- M		- Reference
Function	:	To specify a reference.	
Segment number	:	21	
Data element group/Data element	EDIFACT	EAN	* Description
C506 Reference	M	M	
1153 Reference code qualifier	M an..3	M	* FC = Fiscal number
1154 Reference identifier	C an..70	R	Fiscal number (supplier)
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>			
- Fiscal number of the supplier (DIC) (DE1154); Mandatory *); N 10 RFF+FC:2020701375'			
*) Remark DE 1153: Qualifier FC = Fiscal number is used only in Slovakia. Not used in Austria and Czech Republic.			

SG2	- M	2/6 -	NAD-SG3
SG3	- M	4/4 -	RFF
RFF	- M		- Reference
Function	:	To specify a reference.	
Segment number	:	22	
Data element group/Data element	EDIFACT	EAN	* Description
C506 Reference	M	M	
1153 Reference code qualifier	M an..3	M	*
1154 Reference identifier	C an..70	R	ALV = Registered capital reference Registered capital reference (supplier)
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>			
- Registered capital reference (DE1154); Mandatory *); A/N 70 RFF+ALV:OR OS Žilina, odd. Sro, v.l.c. 17400/L'			
*) Remark DE 1153: Qualifier ALV = Registered capital is used only in Czech Republic and Slovakia. Not used in Austria.			

SG2 - C 3/6 - NAD				
NAD - M 1 - Name and address				
Function : To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.				
Segment number : 23				
Data element group/Data element	EDIFACT	EAN	*	Description
3035 Party function code qualifier	M an..3	M	*	DP = Delivery party
C082 Party identification details	C	R		
3039 Party identifier	M an..35	M		GLN - Format n13 Delivery party
1131 Code list identification code	C an..17	N		
3055 Code list responsible agency code	C an..3	R	*	9 = EAN (International Article Numbering Association)
C058 Name and address	C	N		
3124 Name and address description	M an..35			
3124 Name and address description	C an..35			
3124 Name and address description	C an..35			
3124 Name and address description	C an..35			
3124 Name and address description	C an..35			
C080 Party name	C	N		
3036 Party name	M an..35			
3036 Party name	C an..35			
3036 Party name	C an..35			
3036 Party name	C an..35			
3036 Party name	C an..35			
3045 Party name format code	C an..3			
C059 Street	C	N		
3042 Street and number or post office box identifier	M an..35			
3042 Street and number or post office box identifier	C an..35			
3042 Street and number or post office box identifier	C an..35			
3042 Street and number or post office box identifier	C an..35			
3164 City name	C an..35	N		

Data element group/Data element	EDIFACT	EAN	*	Description
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	N		
3207 Country name code	C an..3	N		
<u>Segment notes</u> - Delivery party (DE3035 = DP); Optional; N 13 NAD+DP+9012345000028::9' DE3039: For partner identification use exclusively the GLN.				

SG2 - C 4/6 - NAD					
NAD - M 1 - Name and address					
Function : To specify the name/address and their related function, either by C082 only and/or unstructured by C058 or structured by C080 thru 3207.					
Segment number : 24					
Data element group/Data element	EDIFACT	EDIFACT	EAN	*	Description
3035 Party function code qualifier	M an..3		M	*	OB = Ordered by
C082 Party identification details	C		R		
3039 Party identifier	M an..35		M		GLN - Format n13 Ordered by
1131 Code list identification code	C an..17		N		
3055 Code list responsible agency code	C an..3		R	*	9 = EAN (International Article Numbering Association)
C058 Name and address	C		N		
3124 Name and address description	M an..35				
3124 Name and address description	C an..35				
3124 Name and address description	C an..35				
3124 Name and address description	C an..35				
3124 Name and address description	C an..35				
C080 Party name	C		N		
3036 Party name	M an..35				
3036 Party name	C an..35				
3036 Party name	C an..35				
3036 Party name	C an..35		N		
3036 Party name	C an..35				
3045 Party name format code	C an..3				
C059 Street	C		N		
3042 Street and number or post office box identifier	M an..35				
3042 Street and number or post office box identifier	C an..35				
3042 Street and number or post office box identifier	C an..35				
3042 Street and number or post office box identifier	C an..35				
3164 City name	N an..35		N		

Data element group/Data element	EDIFACT	EAN	*	Description
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	N		
3207 Country name code	C an..3	N		
<u>Segment notes</u>				
- Ordered by (DE3035 = OB); Optional; N 13 NAD+OB+9012345000042::9'				
DE3039: For partner identification use exclusively the GLN.				

SG2 - C 5/6 - 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 : 25					
Data element group/Data element	EDIFACT	EDIFACT	EAN	*	Description
3035 Party function code qualifier	M an..3		M	*	IV = Invoicee
C082 Party identification details	C		R		
3039 Party identifier	M an..35		M		GLN - Format n13 Invoicee
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		M		
3036 Party name	M an..35		M		Company name
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		O		
3042 Street and number or post office box identifier	M an..35		M		Street
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		M		City

Data element group/Data element	EDIFACT	EAN	*	Description
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	M		Postal code
3207 Country name code	C an..3	M		Country name code
<u>Segment notes</u>				
- Invoicee (DE3035 = IV); Optional; N 13 NAD+IV+9012345000004::9++invoicee name:invoicee name:invoicee name+STREET 5+TOWN++1190+AT'				
This Qualifier is only used when the invoicee is different from the buyer (BU)!				
DE3039: For partner identification use exclusively the GLN.				
Remark: Data element group C059 Street is set to status optional for Czech Republic and Slovakia. In Austria this DE group is mandatory.				

SG2	- C	5/6 -	NAD-SG3
SG3	- M	1 -	RFF
RFF	- M	1	- Reference
Function	:	To specify a reference.	
Segment number	:	26	
Data element group/Data element	EDIFACT	EAN	* Description
C506 Reference	M	M	
1153 Reference code qualifier	M an..3	M	* VA = VAT registration number
1154 Reference identifier	C an..70	R	VAT registration number (Invoicee)
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 IV (DE1154); A/N 20 RFF+VA:AT3929292'			
Remark: This segment is not used in Czech Republic and Slovakia. In Austria when the Invoicee is provided in the invoice its VAT registration number must be also provided!			

SG2 - C 6/6- 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 : 27					
Data element group/Data element	EDIFACT	EDIFACT	EAN	*	Description
3035 Party function code qualifier	M an..3		M	*	II = Issuer of invoice
C082 Party identification details	C		R		
3039 Party identifier	M an..35		M		GLN - Format n13 Issuer of invoice
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		M		
3036 Party name	M an..35		M		Company name
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		O		
3042 Street and number or post office box identifier	M an..35		M		Street
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		M		City

Data element group/Data element	EDIFACT	EAN	*	Description
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	M		Postal code
3207 Country name code	C an..3	M		Country name code
<u>Segment notes</u>				
- Issuer of invoice (DE3035 = II); Optional; N 13 This Qualifier is only used when the issuer of the invoice is different from the supplier (SU) !				
NAD+II+9099999300414::9++issuer of invoice name:issuer of invoice name:issuer of invoice name+STREET 5+TOWN++1190+CZ'				
DE3039: For partner identification use exclusively the GLN.				
Remark: Data element group C059 Street is set to status optional for Czech Republic and Slovakia. In Austria this DE group is mandatory.				

SG2	- C	6/6	- NAD-SG3
SG3	- M	1	- RFF
RFF	- M	1	- Reference
Function	:	To specify a reference.	
Segment number	:	28	
Data element group/Data element	EDIFACT	EAN	* Description
C506 Reference	M	M	
1153 Reference code qualifier	M an..3	M	* VA = VAT registration number
1154 Reference identifier	C an..70	R	VAT registration number (Issuer of invoice)
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 (DE1154); Mandatory when the Invoicee is provided in the Invoice; A/N 20 RFF+VA:AT3929292'			
Remark: This segment is not used in Czech Republic and Slovakia. In Austria when the Issuer of invoice is provided in the invoice its VAT registration number must be also provided!			

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 : 29				
Data element group/Data element	EDIFACT	EAN	*	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) Currency
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 - M 1 - PAT-DTM				
PAT - M 1 - Payment terms basis				
Function : To specify the payment terms basis.				
Segment number : 30				
Data element group/Data element	EDIFACT	EAN	*	Description
4279 Payment terms type code qualifier	M an..3	M	*	3 = Fixed date
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>				
- Payment terms; Mandatory; PAT+3'				
Remark: This segment is not used in Austria				

SG8 - M 1 - PAT-DTM				
DTM - M 1 - Date/time/period				
Function : To specify date, and/or time, or period.				
Segment number : 31				
Data element group/Data element	EDIFACT	EAN	*	Description
C507 Date/time/period	M	M		
2005 Date or time or period function code qualifier	M an..3	M	*	13 = Terms net due date
2380 Date or time or period value	C an..35	M		Due date
2379 Date or time or period format code	C an..3	M	*	102 = CCYYMMDD
<u>Segment notes</u>				
Due date; Mandatory; D 8 DTM+13:20090630:102'				
Remark: This segment is not used in Austria.				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-SG27-SG29-SG34				
LIN - M 1 - Line item				
Function : To identify a line item and configuration.				
Segment number : 32				
Data element group/Data element	EDIFACT	EAN	*	Description
1082 Line item identifier	C an..6	R		Application generated number of the item lines within the invoice. Invoice line number
1229 Action request/notification description code	C an..3	N		
C212 Item number identification	C	R		
7140 Item identifier	C an..35	R		Format n..14 Article
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	N		
5495 Sub-line indicator code	C an..3			
1082 Line item identifier	C an..6			
1222 Configuration level number	C n..2	N		
7083 Configuration operation code	C an..3	N		
<u>Segment notes</u>				
- Article identification by EAN (DE7140); Mandatory; N 14 LIN+1++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-PIA-IMD-QTY-SG27-SG29-SG34				
PIA - C 1 - Additional product id				
Function : To specify additional or substitutional item identification codes.				
Segment number : 33				
Data element group/Data element	EDIFACT	EAN	*	Description
4347 Product identifier code qualifier	M an..3	M	*	1 = Additional identification
C212 Item number identification	M	R		
7140 Item identifier	C an..35	R		Supplier's article number
7143 Item type identification code	C an..3	R	*	SA = Supplier's article 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			
3055 Code list responsible agency code	C an..3			
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			
3055 Code list responsible agency code	C an..3			
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			

Data element group/Data element	EDIFACT	EAN	*	Description
3055 Code list responsible agency code	C an..3			
<u>Segment notes</u> - Supplier's article number (DE7143); Optional; A/N 25 PIA+1+ABC5343:SA' This segment serves for an additional identification of the invoiced goods. For example, in the case that two unimportant variants of goods are indicated with the same EAN code. Remark: This segment is not used in Austria!				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-SG27-SG29-SG34				
IMD - M 1 - Item description				
Function : To describe an item in either an industry or free format.				
Segment number : 34				
Data element group/Data element	EDIFACT	EAN	*	Description
7077 Description format code	C an..3	M	*	A = Free-form long description
C272 Item characteristic	C	N		
7081 Item characteristic code	C an..3			
1131 Code list identification code	C an..17			
3055 Code list responsible agency code	C an..3			
C273 Item description	C	M		
7009 Item description code	C an..17	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		Max. 70 symbols Article description
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>				
- Article description (DE7008); Mandatory; A/N 70 IMD+A++++:FREE TEXT'				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-SG27-SG29-SG34				
QTY - M 1/2 - Quantity				
Function : To specify a pertinent quantity.				
Segment number : 35				
Data element group/Data element	EDIFACT	EDX	*	Description
C186 Quantity details	M	M		
6063 Quantity type code qualifier	M an..3	M	*	47 = Invoiced quantity
6060 Quantity	M an..35	M		Invoiced quantity
6411 Measurement unit code	C an..3	D		KGM = Kilogram GRM = Gram LTR = Litre MMT = Millimetre MTR = Metre MTQ = Cubic metre Measurement unit
<u>Segment notes</u>				
- Invoiced quantity (DE6063 = 47); Mandatory; N 7+3 QTY+47:250'				
DE 6411: Measurement unit for quantity variable products (unit not equal piece); for further codes see the code list.				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-SG27-SG29-SG34				
QTY - C 2/2 - Quantity				
Function : To specify a pertinent quantity.				
Segment number : 36				
Data element group/Data element	EDIFACT	EDX	*	Description
C186 Quantity details	M	M		
6063 Quantity type code qualifier	M an..3	M	*	192 = Free goods quantity (EAN Code)
6060 Quantity	M an..35	M		Free goods quantity
6411 Measurement unit code	C an..3	D		KGM = Kilogram GRM = Gram LTR = Litre MMT = Millimetre MTR = Metre MTQ = Cubic metre Measurement unit
<u>Segment notes</u>				
- Free goods quantity (DE6063 = 192); Mandatory if available; N 7+3 QTY+192:100'				
DE 6411: Measurement unit for quantity variable products (unit not equal piece); for further codes see the code list.				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-SG27-SG29-SG34				
SG27 - M 1 - MOA				
MOA - M 1 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 37				
Data element group/Data element	EDIFACT	EAN	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	203 = Line item amount
5004 Monetary amount	C n..35	R		Line item 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>				
- Line item amount; Mandatory; N 10+3 MOA+203:3500'				
This segment is used to specify the line item amount. 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-SG27-SG29-SG34				
SG29 - M 1 - PRI				
PRI - M 1 - Price details				
Function : To specify price information.				
Segment number : 38				
Data element group/Data element	EDIFACT	EAN	*	Description
C509 Price information	C	R		
5125 Price code qualifier	M an..3	M	*	AAA = Calculation net
5118 Price amount	C n..15	R		Net price
5375 Price type code	C an..3	N		
5387 Price specification code	C an..3	N		
5284 Unit price basis value	C n..9	N		
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'				

SG26 - M 9999999 - LIN-PIA-IMD-QTY-SG27-SG29-SG34				
SG34 - M 1 - TAX				
TAX - M 1 - Duty/tax/fee details				
Function : To specify relevant duty/tax/fee information.				
Segment number : 39				
Data element group/Data element	EDIFACT	EAN	*	Description
5283 Duty or tax or fee function code qualifier	M an..3	M	*	7 = Tax
C241 Duty/tax/fee type	C	M		
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	M		
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 VAT 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 Not used in Czech Republic and Slovakia
3446 Party tax identifier	C an..20	N		
1227 Calculation sequence code	C an..3	N		

Segment notes

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

Remark: DE 5305 is not used in Czech Republic and Slovakia.

UNS - M 1 - Section control				
Function : To separate header, detail and summary sections of a message.				
Segment number : 40				
Data element group/Data element	EDIFACT	EAN	*	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.				
UNS+S'				

SG50 - M 1/3 - MOA				
MOA - M 1 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 41				
Data element group/Data element	EDIFACT	EAN	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	79 = Total line items amount
5004 Monetary amount	C n..35	R		Total line items 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>				
- 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'				

SG50 - M 2/3- MOA				
MOA - M 1 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 42				
Data element group/Data element	EDIFACT	EAN	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	77 = Invoice amount
5004 Monetary amount	C n..35	R		Invoice 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>				
- Invoice amount (DE5025 = 77); Mandatory; N 11+2 MOA+77:4000'				

SG50 - C 3/3 - MOA				
MOA - M 1 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 43				
Data element group/Data element	EDIFACT	EAN	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	176 = Message total duty/tax/fee amount
5004 Monetary amount	C n..35	R		Message total duty/tax/fee 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>				
- Message total duty/tax/fee amount (DE5025 = 176); Optional; N 11+2 MOA+176:4000'				

SG52 - M 1/2- TAX-MOA				
TAX - M 1 - Duty/tax/fee details				
Function : To specify relevant duty/tax/fee information.				
Segment number : 44				
Data element group/Data element	EDIFACT	EAN	*	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			
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	R		
5279 Duty or tax or fee rate code	C an..7	D	*	0 = Sazba DPH danové skupiny 0 -osvobozeno 1 = Oznacení danové skupiny 1 – snížená sazba 2 = Oznacení danové skupiny 2 – základní sazba VAT rate group
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 VAT 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 Not used in Czech Republic and Slovakia
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' - Example for usage in Austria.

TAX+7+VAT+++2:::19' - Example for usage in Czech Republic and Slovakia.

Remark: DE 5279 is not used in Austria.

Remark: DE 5305 is not used in Czech Republic and Slovakia.

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

SG52 - M 1/2 - TAX-MOA				
MOA - M 1/2 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 45				
Data element group/Data element	EDIFACT	EAN	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	125 = Taxable amount
5004 Monetary amount	C n..35	R		Amount Taxable 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'				

SG52 - M 1/2 - TAX-MOA				
MOA - M 2/2 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 46				
Data element group/Data element	EDIFACT	EAN	*	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		Amount Tax 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>				
- Tax amount (DE5025 = 124); Mandatory; N 11+2 MOA+124:800'				

SG52 - M 10 - TAX-MOA				
TAX - M 1 - Duty/tax/fee details				
Function : To specify relevant duty/tax/fee information.				
Segment number : 47				
Data element group/Data element	EDIFACT	EAN	*	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	*	EXC = Excise duty Excise duty
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	N		
5279 Duty or tax or fee rate code	C an..7			
1131 Code list identification code	C an..17			
3055 Code list responsible agency code	C an..3			
5278 Duty or tax or fee rate	C an..17			
5273 Duty or tax or fee rate basis code	C an..12			
1131 Code list identification code	C an..17			
3055 Code list responsible agency code	C an..3			
5305 Duty or tax or fee category code	C an..3	N		
3446 Party tax identifier	C an..20	N		
1227 Calculation sequence code	C an..3	N		

Segment notes

- Excise duty; Mandatory if available
TAX+7+EXC'

Remark: This segment is used only in Czech Republic and Slovakia. Not used in Austria.

SG52 - M 10 - TAX-MOA				
MOA - M 1 - Monetary amount				
Function : To specify a monetary amount.				
Segment number : 48				
Data element group/Data element	EDIFACT	EAN	*	Description
C516 Monetary amount	M	M		
5025 Monetary amount type code qualifier	M an..3	M	*	176 = Message total duty/tax/fee amount
5004 Monetary amount	C n..35	M		Excise duty 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>				
Excise duty amount; Mandatory if available; N 11+2 MOA+176:10'				
Remark: This segment is not used in Austria				

UNT - M 1 - Message trailer				
Function : To end and check the completeness of a message.				
Segment number : 49				
Data element group/Data element	EDIFACT	EAN	*	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+42+ME000001'				

UNZ - M 1 - Interchange trailer				
Function : To end and check the completeness of an interchange.				
Segment number : 50				
Data element group/Data element	EDIFACT	EAN	*	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.				
UNZ+1+12345555'				

5. Example INVOIC

UNA:+.??*'	Service string information
UNB+UNOC:4+9099999300476:14+9099999300414:14+20060629:0801+234+++++EANCOM-DISI'	Interchange Header
UNH+142+INVOIC:D:01:UN:EAN010'	Message Header
BGM+380+106+9'	Invoice number
DTM+137:20090831:102'	Document date
DTM+35:20090828:102'	Delivery date
DTM+325:20090828:102' (CZ, SK)	Date of taxable fulfilment
RFF+ON:987456'	Reference order number

DTM+171:20060827:102'	Order date
RFF+DQ:6542'	Delivery note number
DTM+171:20060828:102'	Delivery note date
NAD+SU+9099999300476::9++FLEISSIG GMBH+REINGASSE 5+WIEN++1140+SK'	Supplier, GLN and text address
RFF+VA:ATU111111111'	Supplier's VAT registration number
RFF+GN:35654660' (CZ; SK)	Government reference number
RFF+FC:2020701375' (SK)	Fiscal Number
RFF+ALV:OR OS Žilina, odd. Sro, vl.c. 17400/ L' (CZ; SK)	Registered capital reference
NAD+BY+9004108000000::9++HANDELS AG+GUDRUNSTR. 23+WIEN++1010+SK'	Buyer, GLN and text address
RFF+VA:1234567890123'	Buyer's VAT registration number
RFF+GN:35234580' (CZ; SK)	Government reference number
RFF+FC:2020701340' (SK)	Fiscal Number
NAD+DP+9099999300483::9'	Delivery party, GLN
NAD+OB+9099999300414::9'	Ordered by, GLN
CUX+2:EUR:4'	Invoice currency
PAT+3' (CZ;SK)	Payment term
DTM+13:20090630:102' (CZ; SK)	Due date
LIN+1++9099999236683:SRV'	1. Article
IMD+A+:::FREE TEXT'	Article description
QTY+47:50'	Quantity
MOA+203:300'	Line item amount
PRI+AAA:6'	Net price
TAX+7+VAT+++:::20'	VAT rate
LIN+2++9099999566629:SRV'	2. Article
IMD+A+:::FREE TEXT'	Article description

QTY+47:100'	Quantity
MOA+203:150'	Line item amount
PRI+AAA:1.5'	Net price
TAX+7+VAT++++:::20'	VAT rate
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' (AT)/ TAX+7+VAT+++2:::20' (CZ, SK)	VAT
MOA+125:450'	Taxable amount
MOA+124:90'	Tax amount
TAX+7+EXC' (CZ, SK)	Excise duty
MOA+176:10' (CZ, SK)	Excise duty amount
UNT+45+142'	Message Trailer
UNZ+1+234'	Interchange Trailer

6. Message structure Security segments

—	SG1		M	99	USH-USA-SG2
—	USH	2	M	1	Security header
—	USA	3	M	3	Security algorithm
—	SG2		M	2	USC-USA
—	USC	4	M	1	Certificate
—	USA	5	M	3	Security algorithm
—	SG4		M	99	UST
—	UST	6	M	1	Security trailer
—	SG4		M	99	UST
—	USR	7	M	1	Security result

7. BUSINESS TERMS Security Segments

Business term	Description	Status	Format	Segment		Data element	
Security reference number		M	A/N 14	SG1	USH	0534	Security reference number
Filter function		M	A/N 3	SG1	USH	0505	Filter function, coded
Original character set encoding		M	A/N 3	SG1	USH	0507	Original character set encoding, co
Message sender	GLN (not used in Austria)	M	N 13	SG1	USH	S500 0511	Security party identification
Message receiver	GLN (not used in Austria)	M	N 13	SG1	USH	S500 0511	Security party identification
Creation date		M	D 8	SG1	USH	S501 0338	Event date
Creation time		M	T 6	SG1	USH	S501 0314	Event time
Hash-Algorithm		M	A/N 3	SG1	USA	S502 0527	Algorithm, coded
Certificate serial number		M	A/N 35	SG2	USC	0536	Certificate reference
Distinguished name (DN) of the security party		M	A/N 512	SG2	USC	S500 0511	Security party identification
Certificate-Syntax		M	A/N 3	SG2	USC	0545	Certificate syntax and version, cod
Signatur-Algorithm		M	A/N 3	SG2	USA	S502 0527	Algorithm, coded
Padding mechanism		M	A/N 3	SG2	USA	S502 0591	Padding mechanism, coded
Security reference number		M	A/N 14	SG4	UST	0534	Security reference number
Signature value		M	A/N 512	SG4	USR	0560	Number of security segments

8. Segment description - Security Segments

SG1	- M	99 -	USH-USA-SG2		
USH	- M	1 -	Security header		
Function	:	To specify a security mechanism applied to an EDIFACT structure (i.e.: message/package, group or interchange).			
Segment number	:	2			
Data element group/Data element	EDIFACT	ANW	*	Description	
0501	Security service, coded	M an..3	M	*	1 = Non-repudiation of origin
0534	Security reference number	M an..14	M		Unique reference number assigned by the security originator to the security header group and security trailer group Security reference number
0541	Scope of security application, coded	C an..3	R	*	1 = Security header und Message body
0503	Response type, coded	C an..3	M	*	1 = No acknowledgement required
0505	Filter function, coded	C an..3	R	*	2 = Hexadecimal filter 5 = UN/EDIFACT EDA filter 6 = UN/EDIFACT EDC filter 7 = Base64 Filter function
0507	Original character set encoding, coded	C an..3	R	*	2 = ASCII 8 bit Original character set encoding
0509	Role of security provider, coded	C an..3	M	*	1 = Issuer
S500	Security identification details	C	M		
0577	Security party qualifier	M an..3	M	*	1 = Message sender
0538	Key name	C an..35	N		
0511	Security party identification	C an..512	M		GLN Message Sender
0513	Security party code list qualifier	C an..3	M	*	2 = EAN
0515	Security party code list responsible agency, coded	C an..3			
0586	Security party name	C an..35			
0586	Security party name	C an..35			
0586	Security party name	C an..35			
S500	Security identification details	C	M		

0577	Security party qualifier	M an..3	M	*	2 = Message receiver
0538	Key name	C an..35	N		
0511	Security party identification	C an..512	M		GLN Message receiver
0513	Security party code list qualifier	C an..3	M	*	2 = EAN
0515	Security party code list responsible agency, coded	C an..3			
0586	Security party name	C an..35			
0586	Security party name	C an..35			
0586	Security party name	C an..35			
0520	Security sequence number	C an..35	N		
S501	Security date and time	C	R		
0517	Date and time qualifier	M an..3	M	*	1 = Security Timestamp 5 = EDIFACT-Structure, creation date and time
0338	Event date	C n..8	R		Creation date, CCYYMMDD Creation date
0314	Event time	C an..15	R		Creation time, HHMMSS Creation time
0336	Time offset	C n4	N		

Segment notes

A segment specifying a security service applied to the referenced EDIFACT structure.

- Security reference number (DE0534); Mandatory; A/N 14
- Filter Function (DE0505); Mandatory; A/N 3
- Original character set encoding (DE0507); Mandatory; A/N 3
- Signature creation date (DE0338); Mandatory; D 8
- Signature creation time (DE0314); Mandatory; D 6

Remark DE 0503: DE 0503 is not used in Austria (N).

Remark DE 0505: Only qualifier 7 and 6 are used in Austria! Qualifier 7 is not used in Czech Republic.

Remark DE 0509: Data element is not used in Austria (N).

Remark S500: Data element group S500 is not used in Austria (N).

Remark DE 0517: In Czech Republic and Slovakia only qualifier 5 is used.

CZ, SK: USH+1+323+1+1+6+2+1+1::8456789000007:2*2::8456789000014:2++5:20050607:161947'

AT: USH+1+323+1++7+2++++5:20060831:105531'

SG1 - M 99 - USH-USA-SG2				
USA - M 3 - Security algorithm				
Function : To identify a security algorithm, the technical usage made of it, and to contain the technical parameters required.				
Segment number : 3				
Data element group/Data element	EDIFACT	ANW	*	Description
S502 Security algorithm	M	M		
0523 Use of algorithm, coded	M an..3	M	*	1 = Owner hashing
0525 Cryptographic mode of operation, coded	C an..3	N		
0533 Mode of operation code list identifier	C an..3			
0527 Algorithm, coded	C an..3	R	*	16 = SHA1 48 = SHA-256 Hash-Algorithm
0529 Algorithm code list identifier	C an..3	R	*	1 = UN/CEFACT
0591 Padding mechanism, coded	C an..3	N		
0601 Padding mechanism code list identifier	C an..3	N		
S503 Algorithm Parameter	C	N		
0531 Algorithm parameter qualifier	M an..3			
0554 Algorithms parameter value	M an..512			
<u>Segment notes</u>				
This segment is used to identify a security algorithm, the technical usage made of it, and contains the technical parameters required in order to generate the hash value.				
- Hash Algorithm (DE0527); Mandatory; A/N 3 USA+1:::16:1'				

SG1 - M	99 - USH-USA-SG2				
SG2 - M	2 - USC-USA				
USC - M	1 - Certificate				
Function	:	To convey the public key and the credentials of its owner.			
Segment number	:	4			
Data element group/Data element	EDIFACT	ANW	*	Description	
0536 Certificate reference	C an..35	R		Certificate serial number	
S500 Security identification details	C	R			
0577 Security party qualifier	M an..3	M	*	4 = Authenticating party	
0538 Key name	C an..35	N			
0511 Security party identification	C an..512	R		DN (Distinguished Name) of the security party Distinguished name of the security party	
0513 Security party code list qualifier	C an..3	R	*	ZZZ = Mutually agreed	
0515 Security party code list responsible agency, coded	C an..3	N			
0586 Security party name	C an..35	N			
0586 Security party name	C an..35	N			
0586 Security party name	C an..35	N			
0545 Certificate syntax and version, coded	C an..3	M	*	3 = X.509 Certificate-Syntax	
0505 Filter Function, coded	C an..3	N			
0507 Original character set encoding, coded	C an..3	N			
0543 Certificate original character set repertoire, coded	C an..3	N			
0546 User authorisation level	C an..35	N			
S505 Service character for signature	C	N			
0551 Service character for signature, Qualifier	M an..3				
0548 Service character for signature	M an..4				
S501 Security date and time	C	N			
0517 Date and time, Qualifier	M an..3				
0338 Event date	C n..8				
0314 Event time	C an..15				

Data element group/Data element	EDIFACT	ANW	*	Description
0336 Time offset	C n4			
0567 Security status, coded	C an..3	N		
0569 Revocation reason, coded	C an..3	N		

Segment notes

This segment identifies the security party, certificate serial number and certificate syntax.

- Certificate serial number (DE0536); Mandatory; A/N 35
- Distinguished name (DN) of the security party (DE0511); Mandatory; A/N 512
- Certificate syntax (DE0545); Mandatory; A/N 3

USC+3053E29993FB+4::MIGpMQswCQYDVQQGEwJBVDFIMEYGA1UECgw/QS1UcnVzdCBHZXMuIGYyIFNpY2hlc
mhlhXRzc3lzdGVtZSBpbSB1bGVrdHIuIERhdGVudmVya2VociBHbWJIMScwJQYDVQLDB5hLXNpZ24tY29ycG9yY
XRILUxpZ2h0LVRlc3QtMDIxJzAIBgNVBAMMHmEtc2lnbi1jb3Jwb3JhdGUtTGlnaHQVGVzdC0wMg==:ZZZ+3' (DN)

Remark DE 0511: In Austria the distinguished name (DN) is encoded with the filter function = BASE64 or EDC.

SG1 - M	99 - USH-USA-SG2			
SG2 - M	2 - USC-USA			
USA - M	3 - Security algorithm			
Function :	To identify a security algorithm, the technical usage made of it, and to contain the technical parameters required.			
Segment number :	5			
Data element group/Data element	EDIFACT	ANW	*	Description
S502 Security algorithm	M	M		
0523 Use of algorithm, coded	M an..3	M	*	6 = Owner signing
0525 Cryptographic mode of operation, coded	C an..3	R	*	16 = DSMR
0533 Mode of operation code list identifier	C an..3	R	*	1 = UN/CEFACT
0527 Algorithm, coded	C an..3	R	*	10 = RSA Signature – Algorithm
0529 Algorithm code list identifier	C an..3	R	*	1 = UN/CEFACT
0591 Padding mechanism, coded	C an..3	R	*	11 = PKCS #1 signature padding 16 = RSASA-PKCS-v1_5 17 = Encryption Block Formatting Padding mechanism
0601 Padding mechanism code list identifier	C an..3	R	*	1 = UN/CEFACT
S503 Algorithm parameter	C	O		
0531 Algorithm Parameter Qualifier	M an..3	M		14 = Modulus length
0554 Algorithm parameter value	M an..512	M		
S503 Algorithm parameter	C	O		
0531 Algorithm Parameter Qualifier	M an..3	M		12 = Modulus
0554 Algorithm parameter value	M an..512	M		
S503 Algorithm parameter	C	O		
0531 Algorithm Parameter Qualifier	M an..3	M		13 = Exponent
0554 Algorithm parameter value	M an..512	M		

Segment notes

This segment is used to identify a security algorithm and its specifications.

- Signature algorithm (DE0527); Mandatory; A/N 3
- Padding mechanism (DE=0591); Mandatory; A/N 3

Remark DE 0591: In Czech Republic and Slovakia only qualifiers 11 (= PKCS #1 signature padding) and 16 (= RSASA-PKCS-v1_5) are used!

It is possible to send optionally also the public key:

- Modulus length (public key length DE0554); Optional; A/N 512
- Modulus (Parameter value of the algorithm as public key modulus, DE0554); Optional; A/N 512
- Exponent (Parameter value of the algorithm as public key exponent, DE0554); Optional; A/N 512

USA+6:16:1:10:1:16:1+14:1024*12: CF8516555*13:7E7406D7'

Remark: As the Component Data Element Group S503 appears 3 times, it must be separated by the repetition separator (*) !

SG4 - M 99 - UST				
UST - M 1 - Security trailer				
Function : To establish a link between security header and security trailer segment groups.				
Segment number : 6				
Data element group/Data element	EDIFACT	ANW	*	Description
0534 Security reference number	M an..14	M		Security reference number from USH Segment Security reference number
0588 Number of security segments	M n..10	M		The number of security segments in a security header/trailer group pair.
<u>Segment notes</u>				
A segment establishing a link between security header and security trailer segment group.				
UST+323+6'				

SG4 - M 99 - UST				
USR - M 1 - Security result				
Function : Identification of the security result.				
Segment number : 7				
Data element group/Data element	EDIFACT	ANW	*	Description
S508 Inspection value	C	M		
0563 Inspection value, Qualifier	M an..3	M	*	1 = Unique inspection value
0560 Inspection value	C an..512	R		Value determined by the hash value and the private key of the sender. Signature value
<u>Segment notes</u>				
This segment contains the digital signature respectively the result from the applied hash- and signature algorithms in the referred interchange (USH,USA,USC, USA, BGM ...MOA).				
- Signature value (DE0560); Mandatory; A/N 512 USR+1:C7DIEW6655'				

9. Example Security Segments

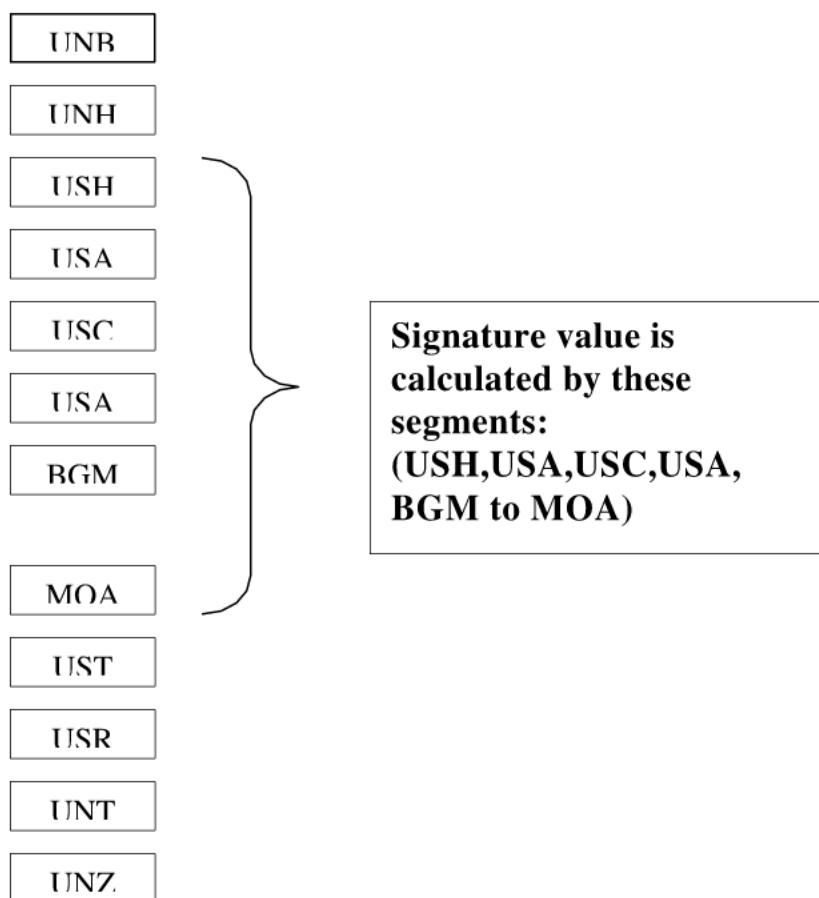
USH+1+323+1++6+2++++5:20060831:105531' (AT)/ USH+1+323+1+1+6+2+1+1::8456789000007:2 *2::8456789000014:2++5:20050607:161947' (CZ, SK)	Filter, Date/Time
USA+1:::16:1'	Hash algorithm
USC+3053E29993FB+4::MIGpMQswCQYDVQQGE wJBVDFIMEYGA1UECgw/QS1UcnVzdCBHZXMuI GYuIFNpY2hlcmlhlaXRzc3lzdGVtZSBpbSBpbGVrdHI uIERhdGVudmVya2VociBHbWJIMScwJQYDVQQLD B5hLXNpZ24tY29ycG9yYXRILUxpZ2h0LVRlc3QtM DIxJzAlBgNVBAMMHmEtc2lnbi1jb3Jwb3JhdGUtTG lnaHQtVGVzdC0wMg==:ZZZ+3'	Security party identification, certificate serial number
USA+6:16:1:10:1:11:1'	Signature algorithm
UST+323+6'	Segment counter

USR+1:ãÑIô[gwBWäAAÛ÷ÉYwÔaÝ@ýbæ~B@÷ái ÖÅEcYðÛËsðêeyáÊZÐPËÏäæÓÅÓÆIbÝIáyØßZmi ÃnàUc÷êÁtCJðavíTÇÛAP_ÅKÎ×iÛNã~ ãQE wãÏ~ùù^çÊKLRTDÿðæËev÷ðChÐÑ÷LEñø Ó~}[tÛËüD`ÿÀQ×'	Signature value
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10. Entire example Interchange (INVOIC und Security Segments)

After the INVOIC is created in the converter, the security segments are added and the signature value is generated, after which the INVOIC is sent to the business partner together with the security segments!

Signature value calculation (hash value calculation and application of the private key) is executed by the following segments:



UNA:+.?'*	Service string information
UNB+UNOC:4+9099999300476:14+909999930 0414:14+20060629:0801+234++++EANCOM- DISI'	Interchange Header

UNH+142+INVOIC:D:01:UN:EAN010'	Message Header
USH+1+323+1++6+2++++5:20060831:105531' (AT)/ USH+1+323+1+1+6+2+1+1::8456789000007:2 *2::8456789000014:2++5:20050607:161947' (CZ, SK)	Filter, Date/time
USA+1:::16:1'	Hash algorithm
USC+3053E29993FB+4::MIGpMQswCQYDV QQGE wJBVDFIMEYGA1UECgw/QS1UcnVzdCBHZ XMuI GYuIFNpY2hlcmlhlaXRzc3lzdGVtZSBpbSBlbG VrdHI uIERhdGVudmVya2VociBHbWJIMSewJQYD VQQLD B5hLXNpZ24tY29ycG9yYXRILUxpZ2h0LVRl c3QtM DlxJzAlBgNVBAMMHmEtc2lnbi1jb3Jwb3Jhd GUtTG InaHQVtVGVzdC0wMg==:ZZZ+3'	Security party identification, Certificate serial number
USA+6:16:1:10:1:11:1'	Signature algorithm
BGM+380+106+9'	Invoice number
DTM+137:20060831:102'	Document date
DTM+35:20060828:102'	Delivery date
DTM+325:20060828:102' (CZ, SK)	Date of taxable fulfilment
RFF+ON:987456'	Order reference number
DTM+171:20060827:102'	Order date
RFF+DQ:6542'	Delivery note number
DTM+171:20060828:102'	Delivery note date
NAD+SU+9099999300476::9++FLEISSIG GMBH+REINGASSE 5+WIEN++1140+SK'	Supplier, GLN and text address
RFF+VA:ATU111111111'	Supplier's VAT registration number
RFF+GN:35234521' (CZ; SK)	Government reference number
RFF+FC:2020701342' (SK)	Fiscal Number

RFF+ALV:OR OS Žilina, odd. Sro, v.l.c. 17400/ L' (CZ; SK)	Registered capital reference
NAD+BY+9004108000000::9++HANDELS AG+GUDRUNSTR. 23+WIEN++1010+SK'	Buyer, GLN and text address
RFF+VA:1234567890123'	Buyer's VAT registration number
RFF+GN:35234580' (CZ; SK)	Government reference number
RFF+FC:2020701340' (SK)	Fiscal Number
NAD+DP+9099999300483::9'	Delivery party, GLN
NAD+OB+9099999300414::9'	Ordered by, GLN
CUX+2:EUR:4'	Invoice currency
PAT+3' (CZ, SK)	Payment term
DTM+13:20090630:102' (CZ, SK)	Due date
LIN+1++9099999236683:SRV'	1. Article
IMD+A++::FREE TEXT'	Article description
QTY+47:50'	Quantity
MOA+203:300'	Line item amount
PRI+AAA:6'	Net price
TAX+7+VAT+++:::20'	VAT rate
LIN+2++9099999566629:SRV'	2. Article
IMD+A++::FREE TEXT'	Article description
QTY+47:100'	Quantity
MOA+203:150'	Line item amount
PRI+AAA:1.5'	Net price
TAX+7+VAT+++:::20'	VAT rate
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' / (AT) TAX+7+VAT+++2:::19' (CZ, SK)	VAT
MOA+125:450'	Taxable amount
MOA+124:90'	Tax amount
TAX+7+EXC' (CZ, SK)	Excise duty
MOA+176:10' (CZ, SK)	Excise duty amount
UST+323+6'	Segment counter
USR+1:ãÑIô[gwBWãÁÁÚ÷ÉYwÔaÝ@ýbæ~B @÷áí ÖÅEcYðÛËsðêeyáÊZÐPËÏäæÓÅÓÆìbÝIáýØB Zmi ÃnàUc÷êÁtCJðavíTÇÛAP_ÅKÎ×iÛNà~ ãQE wãÏ~ùù^çÊKLR TDÿðæËev÷ðChPÑ÷LEñø Ó~ }[tÛËüD`ÿÅQ×'	Signature value
UNT+45+142'	Message Trailer
UNZ+1+234'	Interchange Trailer