EDI-Guideline INVOIC

Guideline for data exchange based on

EDIFACT (INVOIC D.96A) EANCOM 008

Version 1.9 2019

Document history

Version	Date	Author	Reason for adjustment/comments
1.0	2016-09-05	M.Mahnkop (SGH)	Created
1.4	2016-11-07	M.Mahnkop (SGH)	comparisation and leveling with german version 1.4
1.7	2017-07-01	M.Mahnkop (SGH)	extension and leveling with german version 1.7
1.8	2018-03-01	M.Mahnkop (SGH)	extension and leveling with german version 1.8
1.9	2019-06-04	M.Mahnkop (SGH)	extension and leveling with eZR Requirements

The following segments will be interpreted by SGH when processing EDIFACT invoices. The *gray-italic* segments can be regarded as optional.

Indication of UNA segment is required.

UNA	**Service string advice**	**M**	**1**		**UNA:+.? '**	

Example:

```
UNA:+.? '
```

Indication of UNB segment is required.

If you are sending data for more than one union, please be advised that the combination S002+S004+0020 must not be the same on different data files!

UNB	**Interchange header**		**M**	**1**			
	S001	Syntax designator	M				
	0001	Syntax- identifier	M	4	AN	UNOC	constant
	0002	Syntax version number	M	1	N	3	constant
	S002	Interchange sender	M				
	0004	Sender identification	M	35	AN	4123456789018	Sender's GLN
	0007	Partner identification code, qualifier	M	3	AN	9	konstant
	S003	Interchange recipient	M				
	0010	Recipient identification	M	35	AN	4260441260005	constant
	0007	Partner identification code, qualifier	M	3	AN	9	constant
	S004	Date/ Time of generation	M				
	0017	Date	M	6	JJMMTT	070101	Date of generation
	0019	Time	M	4	HHMM	1321	Time of generation
	0020	Interchange control reference	M	14	AN	31	Unique reference identifying

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
UNB	**Interchange header**		**M**	**1**			
							the interchange. Created by the interchange sender. Should be numbered consecutively.
	S005	Recipient's reference password	K				Not used
	0026	Application reference	K	14	AN	SGH-ZR	Bilaterally agreed reference for the SGH processing of the documents.
	0029	Processing priority code	K				Not used
	0031	Acknowledgement request	C	1	N	1	Not used
	0032	Communications agreement ID	C				Not used
	0035	Test indicator	C	1	N	1	1 = Interchange is a test

Example:

```
UNB+UNOC:3+4123456789018:9+4260441260005:9+070101:1321+31++SGH-ZR'
```

Indication of UNH segment is mandatory.

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
UNH	**Message header**		**M**	**1**			
	0062	Message reference number	M	14	AN	1	Sequence number
	S009	Message identification	M				
	0065	Message type identification	M	6	AN	INVOIC	constant
	0052	Message type – version number	M	3	AN	D	constant
	0054	Message type – clearance number	M	3	AN	96A	constant
	0051	Administrative organization, coded	M	2	AN	UN	constant

UNH	**Message header**		**M**	**1**			
	0057	Application code of responsible organization	M	6	AN	EAN008	constant

Example:

```
UNH+1+INVOIC:D:96A:UN:EAN008'
```

Invoice number, invoice date and delivery date are mandatory.

BGM	**Beginning of message**		**M**	**1**			
	C002	Document/message name	M	1			
	1001	Document/message name, coded	M	3	AN	380 381	Invoice credit note
	1004	Document number	M	35	AN	2017-12345	Invoice number
	1225	Message feature	M	3	AN	9	constant
DTM	**Date/time/period**		**M**	**1**			
	C507	Date/time/period	M	1			
	2005	Date/time/period, qualifier	M	3	AN	137 3 35	Invoice date Invoice date Date of delivery
	2380	Date/time/period	M	35	AN	20170101	Date (YYYYMMDD)
	2379	Date/time/period, format qualifier	M	3	AN	102	constant

Example:

```
BGM+380+2017-12345+9'
DTM+137:20170103:102'
DTM+35:20170101:102'
```

Segment IMD is optional.

IMD	***Item description***		***C***	***1***			
	7077	*Item description type, coded*	*C*	*3*	*AN*		*not used*
	7081	*Item characteristic, coded*	*C*	*3*	*AN*		*not used*
	C273	*ITEM DESCRIPTION*	*C*	*1*			*not used*
	7009	*Item description identification*	*C*	*17*	*AN*		*not used*
	1131	*Code list qualifier*	*C*	*3*	*AN*		*not used*
	3055	*Code list responsible agency, coded*	*C*	*3*	*AN*		*not used*
	7008	*Item description*	*C*	*35*	*AN*		*not used*
	7008	*Item description*	*C*	*35*	*AN*		*not used*
	3453	*Language, coded*	*C*	*3*	*AN*	*DE* *EN* *FR*	*Language for PDF output. Only necessary when different from default (german)*

Example:

```
IMD+++:::::DE'
```

Segment FTX is optional

FTX	***Free Text***		***K***	***10***			
	4451	*Text subject, qualifier*	*M*	*3*	*AN*	*ZZZ, AAI* *SUR, AAK*	*Text for header part of invoice* *Text for footer part of invoice*
	4453	*Indication of text processing, qualifier*	*K*	*3*	*AN*		*Not used*
	C107	*Text-reference*	*K*				*Not used*
	C108	*Text literal*	*K*	*1*			
	4440	*Free text*	*K*	*70*	*AN*	*3,0 % discount when paid*	
	4440	*Free text*	*K*	*70*	*AN*	*before 22.03.2014*	
	4440	*Free text*	*K*	*70*	*AN*		
	4440	*Free text*	*K*	*70*	*AN*		
	4440	*Free text*	*K*	*70*	*AN*		

Example:

```
FTX+AAI+++ 3,0 % discount when paid :before 22.03.2014.'
```

An order number is optional.

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
(SG1) RFF	***Reference***		***K***	***1***			
	C506	*Reference*	*M*	*1*			
	1153	*Reference, qualifier*	*M*	*3*	*AN*	*ON*	*constant*
	1154	*Reference number*	*K*	*35*	*AN*	*B-54321*	*Order number of buyer*
DTM	***Date/time/period***		***K***	***1***			
	C507	*Reference*	*M*	*1*			
	2005	*Reference, qualifier*	*M*	*3*	*AN*	*171*	*constant*
	2380	*Reference*	*M*	*35*	*AN*	*20170101*	*Order date (YYYYMMDD)*
	2379	*Date/time/period, qualifier*	*M*	*3*	*AN*	*102*	*constant*

Example: Order number with order date

```
RFF+ON:B-54321'
DTM+171:20170101:102'
```

A delivery note number and -date is optional.

(SG1) RFF	***Reference***		***K***	***1***			
	C506	*Reference*	*M*	*1*			
	1153	*Reference, qualifier*	*M*	*3*	*AN*	*DQ*	*constant*
	1154	*Reference number*	*K*	*35*	*AN*	*L-67890*	*Delivery note number*
DTM	***Date/time/period***		***K***	***2***			
	C507	*Date/time/period*	*M*	*1*			
	2005	*Date/time/period, qualifier*	*M*	*3*	*AN*	*171*	*Delivery not date*
	2380	*Date/time/period*	*M*	*35*	*AN*	*20170101*	*Date (YYYYMMDD)*
	2379	*Date/time/period, format qualifier*	*M*	*3*	*AN*	*102*	*constant*

Example: delivery note number with delivery note date.

```
RFF+DQ:L-67890'
DTM+171:20170101:102'
```

A vendor order number is optional.

(SG1) RFF	***Reference***		***K***	***1***			
	C506	*Reference*	*M*	*1*			
	1153	*Reference, qualifier*	*M*	*3*	*AN*	*VN*	*constant*
	1154	*Reference number*	*K*	*35*	*AN*	*A-54321*	*Vendor's order number*
DTM	***Date/time/period***		***K***	***2***			

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
	C507	*Date/time/period*	*M*	*1*			
	2005	*Date/time/period, qualifier*	*M*	*3*	*AN*	*171*	*Vendor's order number date*
	2380	*Date/time/period*	*M*	*35*	*AN*	*20170101*	*Date (YYYYMMDD)*
	2379	*Date/time/period, format qualifier*	*M*	*3*	*AN*	*102*	*constant*

Example: vendor order note number with vendor order date.

```
RFF+VN:A-54321'
DTM+171:20170101:102'
```

Indicating the supplier's GLN is mandatory, including address and financial information
Indicating the VAT registration number or fiscal number is mandatory.
Indicating a contact person is optional, but recommended.

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
(SG2) NAD	**Name and address**		**M**	**1**			
	3035	Party, qualifier	M	3	AN	SU	Constant supplier
	C082	Party identification	M	1			
	3039	Party identification	M	35	AN	4123456789018	Suppliers GLN if no GLN available, sgh provides an in-store (sgh only) GLN. Alternatively the use of an agreed number is allowed (see 3055)

	1131	Code list, qualifier	K				Not used
	3055	Code list responsible agency	M	3	AN	9 92	if GLN is sent if another agreed number is sent
	C058	Name and address	K				Not used
	C080	Name	K	1			
	3036	Name	M	35	AN	supplier ABC	
	3036	Name	K	35	AN		
	C059	Street	K	1			
	3042	Main address	M	35	AN	Hauptstrasse 1	
	3164	City	K	35	AN	Berlin	
	3229	Region	K				Not used
	3251	Zip code	K	9	AN	12459	
	3207	Country	K	3	AN	DE	ISO 3166 2-Alpha Code
FII	***Financial institution information***		***M***	***5***			
	3035	*Party qualifier*	*M*	*3*	*AN*	*SE* *BK*	*SE = Bank account of seller for use with account and BLZ -> in 3194 account number, in 3433 BLZ* *BK = International bank account of seller for use with IBAN/SWIFT -> in 3194 IBAN, in 3433 SWIFT/BIC*
	C078	*ACCOUNT IDENTIFICATION*	*M*	*1*			
	3194	*Account holder number*	*M*	*35*	*AN*	*123456789*	*suppliers account number resp. suppliers IBAN*

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
	3192	*Account holder Name*	*C*	*35*	*AN*	*Supplier ABC*	
	C088	*INSTITUTION IDENTIFIKATION*	*M*				
	3433	*Bank-ID*	*M*	*11*	*AN*	*987654*	*BLZ resp. BIC*
	1131	*Code list qualifier*	*K*	*3*	*AN*	*25*	*25 = bank identification*
	3055	*Code list responsible agency, coded*	*K*	*3*	*AN*	*5*	*5 = ISO*
	3434	*Institution branch number*	*K*	*17*	*AN*		
	1131	*Code list qualifier*	*K*	*3*	*AN*	*25*	*25 = bank identification*
	3055	*Code list responsible agency, coded*	*K*	*3*	*AN*	*5*	*5 = ISO*
	3432	*Institution name*	*M*	*70*	*AN*	*Testbank*	
	3436	*Institution branch place*	*K*	*70*	*AN*		
	3207	*Country, coded*	*K*	*3*	*AN*	*DE*	*ISO-Code*
(SG3) RFF	**Reference**		**K**	**1**			
	C506	Reference	M	1			
	1153	Reference	M	3	AN	VA	constant
	1154	Reference number	K	35	AN	DE123456789	Supplier’s VAT registration number. This or supplier’s fiscal number has to be indicated
(SG3) RFF	**Reference**		**K**	**1**			
	C506	Reference	M	1			
	1153	Reference, Qualifier	M	3	AN	FC	constant
	1154	Reference number	K	35	AN	123/456/789	Supplier´s fiscal number. This or supplier’s VAT ID

Segment	Element		Description	M/K	W/L	Format	Content (Example)	Comments
								has to be indicated
(SG5) CTA	***Contact informations***			***K***	***1***			
	3139		*Fuktion, coded*	*K*				*Not used*
	C056		*Contact person*	*K*	*1*			
		3413	*Identification of contact person*	*K*				*Not used*
		3412	*Department or contact person*	*K*	*35*	*AN*	*Mrs. Meyer*	
COM	***Communication information***			***K***	***1***			
	C076		*Communication link*	*M*	*1*			
		3148	*Communication number*	*M*	*70*	*AN*	*030/123456*	
		3155	*Communication service, qualifier*	*M*	*35*	*AN*	*TE* *FX*	*Telephone, fax*

Example:

```
NAD+SU+4123456789018::9++Supplier ABC+Parkstrasse 1+Berlin++12459+DE'
FII+BK+DE85570400440815081500:Supplier ABC+COBADEFFXXX:::::COMMERZBANK:56004 KOBLENZ AM RHEIN'
FII+SE+123456789:Supplier ABC+987654:25:5::::Testbank'
RFF+VA:DE123456789'
RFF+FC:123/456/789'
CTA++:Mrs. Meyer'
COM+030/123456:TE'
COM+030/123456:FX'
```

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments

Indicating the buyer’s GLN is mandatory.
Indicating the VAT registration number or fiscal number may be necessary dependent on applicable fiscal law.
Indicating the buyer’s member number within the union is mandatory. Indicating the buyer’s costumer number is recommended.

(SG2) NAD	**Name and address**		**M**	**1**			
	3035	Party, qualifier	M	3	AN	BY	constant Buyer
	C082	Party identification	M	1			
	3039	Party identification	M	35	AN	4987654321098 5100000	Buyers GLN or ZR number
	1131	Codeliste, qualifier	K				Not used
	3055	Code list responsible agency	M	3	AN	9 92	for use with GLN for use with ZR number
	C058	Name und address	K				Not used
	C080	Name	K	1			
	3036	Name	M	35	AN	Käufer DEF	
	3036	Name	K	35	AN		
	C059	Street	K	1			
	3042	Street	M	35	AN	Schlossallee 10	
	3164	City	K	35	AN	Düsseldorf	
	3229	Region, qualifier	K				Not used
	3251	Zip code	K	9	AN	40229	
	3207	Country, qualifier	K	3	AN	DE	ISO 3166 2-Alpha Code
(SG3) RFF	***Reference***		***K***	***1***			
	C506	*Reference*	*M*	*1*			

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
	1153	*Reference, qualifier*	*M*	*3*	*AN*	*VA*	*constant*
	1154	*Reference number*	*K*	*35*	*AN*	*DE234567891*	*Buyer's VAT ID*
(SG3) RFF	***Reference***		***K***	***1***			
	C506	*Reference*	*M*	*1*			
	1153	*Reference, qualifier*	*M*	*3*	*AN*	*FC*	*constant*
	1154	*Reference number*	*K*	*35*	*AN*	*23/456/7891*	*Buyer's fiscal number*
(SG3) RFF	**Reference**		**K**	**1**			
	C506	Reference	M	1			
	1153	Reference, qualifier	M	3	AN	IT	constant
	1154	Reference number	K	35	AN	K12345	Customer number of the customer in supplier's data
(SG3) RFF	***Referenzangaben***		***M***	***1***			
	C506	*Reference*	*M*	*1*			
	1153	*Reference, qualifier*	*M*	*3*	*AN*	*API*	*constant*
	1154	*Reference number*	*M*	*35*	*AN*	*1234567*	*costumer no. at SGH*

Example:

```
NAD+BY+4987654321098::9++Buyer DEF+Schlossallee 10+Düsseldorf++40229+DE'

RFF+VA:DE234567891'

RFF+FC:23/456/7891'

RFF+IT:K12345'

RFF+API:2112345'
```

Indicating a invoice recipient different from the buyer is optional. Indicating name and address is mandatory here.

(SG2) NAD	***Name und address***		***K***	***1***			
	3035	*Party, qualifier*	*M*	*3*	*AN*	*IV*	*constant* *recipient of invoice (if different from buyer)*
	C082	*Party identification*	*K*	*1*			
	3039	*Party identification*	*M*	*35*	*AN*	*4987654321097* *5100000*	*GLN of invoice recipient or ZR no. of invoice recipient*
	1131	*Codeliste, qualifier*	*K*				*Not used*
	3055	*Code list responsible agency*	*M*	*3*	*AN*	*9* *92*	*for use with GLN* *for use with ZR no.*
	C058	*Name and address*	*K*				*Not used*
	C080	*Name*	*M*	*1*			
	3036	*Name*	*M*	*35*	*AN*	*invoice recipient XYZ*	
	3036	*Name*	*K*	*35*	*AN*		
	C059	*Street*	*K*	*1*			
	3042	*Street*	*M*	*35*	*AN*	*Rathausplatz 20*	
	3164	*Ort*	*M*	*35*	*AN*	*Köln*	
	3229	*Region, qualifier*	*K*				*Not used*
	3251	*Zip Code*	*M*	*9*	*AN*	*50667*	
	3207	*Country, qualifier*	*K*	*3*	*AN*	*DE*	*ISO 3166 2-Alpha Code*
(SG3) RFF	***Reference***		***K***	***1***			
	C506	*Reference*	*M*	*1*			
	1153	*Reference, qualifier*	*M*	*3*	*AN*	*VA*	*constant*
	1154	*Reference number*	*K*	*3*	*AN*	*DE123456789*	*Invoice recipient's VAT*

				5			*registration number*
(SG3) RFF	***Reference***		***K***	***1***			
	C506	*Reference*	*M*	*1*			
	1153	*Referen, qualifier*	*M*	*3*	*AN*	*FC*	*constant*
	1154	*Reference number*	*K*	*3 5*	*AN*	*123/456/789*	*Invoice recipient's Fiscal number*

Example:

```
NAD+IV+4987654321097::9++invoice recipient XYZ+Rathausplatz 20+Köln++50667+DE'
```

Indicating a delivery party is optional. Indicating name and address is mandatory here.

(SG2) NAD	***Name and address***		***K***	***1***			
	3035	*Party, qualifier*	*M*	*3*	*AN*	*DP*	*constant* *delivery address if not identical with buyer*
	C082	*Party identification*	*K*	*1*			
	3039	*Party identification*	*M*	*35*	*AN*	*4987654321096*	*GLN of delivery party*
	1131	*Codeliste, qualifier*	*K*				*Not used*
	3055	*Code list responsible agency*	*M*	*3*	*AN*	*9*	*constant*
	C058	*Name and address*	*K*				*Not used*
	C080	*Name*	*M*	*1*			
	3036	*Name*	*M*	*35*	*AN*	*delivery party UVW*	
	3036	*Name*	*K*	*35*	*AN*		

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
	C059	*Street*	*K*	*1*		*Bahnhofstrasse 40*	
	3042	*Street*	*M*	*35*	*AN*		
	3164	*City*	*M*	*35*	*AN*	*Hannover*	
	3229	*Region, qualifier*	*K*				*not used*
	3251	*Zip Code*	*M*	*9*	*AN*	*30159*	
	3207	*Country, qualifier*	*K*	*3*	*AN*	*DE*	*ISO 3166 2-Alpha Code*
(SG3) RFF	***Reference***		***K***	***1***			
	C506	*Reference*	*M*	*1*			
	1153	*Reference, Qualifier*	*M*	*3*	*AN*	*VA*	*constant*
	1154	*Reference number*	*K*	*35*	*AN*	*DE123456789*	*VAT registration number of delivery party*
(SG3) RFF	***Reference***		***K***	***1***			
	C506	*Reference*	*M*	*1*			
	1153	*Reference, qualifier*	*M*	*3*	*AN*	*FC*	*constant*
	1154	*Referenc number*	*K*	*35*	*AN*	*123/456/789*	*Fiscal number*

Example:

```
NAD+DP+4987654321096::9++delivery party UVW+Bahnhofstrasse 40+Hannover++30159+DE'
```

Indicating TAX details is mandatory. Using TAX here is wanted if there is only one TAX rate for the invoice. If there are multiple TAX rates, please indicate SG50/TAX.

(SG6) TAX	***Duty/tax/fee details***		***K***	***1***			
	5283	*Duty/tax/fee function qualifier*	*M*	*3*	*AN*	*7*	*constant*
	C241	*Duty/tax/fee type*	*K*	*1*			
	5153	*Duty/tax/fee type, coded*	*M*	*3*	*AN*	*VAT*	*constant*
	C533	*DUTY/TAX/FEE ACCOUNT DETAIL*	*K*				*not used*
	5286	*Duty/tax/fee assessment basis*	*K*				*not used*
	C243	*DUTY/TAX/FEE DETAIL*	*K*	*1*			
	5279	*Duty/tax/fee rate identification*	*K*				*not used*
	1131	*Code list qualifier*	*K*				*not used*
	3055	*Code list responsible agency, coded*	*K*				*not used*
	5278	*Duty/tax/fee rate*	*M*	*17*	*AN*	*19.00*	
	5305	*Duty/tax/fee category, coded*	*K*	*3*	*AN*	*A* *S*	

Example:

```
TAX+7+VAT+++:::19.00+S'
```

Indicating a currency is mandatory.

CUX	**Currency**		**K**	**1**			
	C504	Indication of currency	M	1			
	6347	Currency, qualifier	M	1	AN	2	constant
	6345	Currency	M	3	AN	EUR	
	6343	qualifier	M	2	AN	4	constant

Example:

```
CUX+2:EUR:4'
```

Indicating a value date is optional.

(SG8) PAT	***Terms of payment***		***K***	***1***			
	4279	*Qualifier*	*M*	*1*	*AN*	*7*	*Value date*
	C112	*Terms of payment*	*K*	*1*			
	2475	*Base date*	*M*	*3*	*AN*	*5*	*constant (invoice date)*
	2009	*Relation*	*M*	*3*	*AN*	*3*	*constant*
	2151	*Type of time unit*	*M*	*3*	*AN*	*D*	*constant*
	2152	*Number of units*	*M*	*3*	*N*	*30*	*Days*
DTM	***Date /time/period***		***K***	***1***			
	C507	*Date/time/period*	*M*	*1*			
	2005	*Date/time/period, qualifier*	*M*	*3*	*AN*	*209*	*Value date*
	2380	*Date/time/period*	*M*	*35*	*AN*	*20090130*	*Value date (YYYYMMDD)*
	2379	*Date/time/period, Format qualifier*	*M*	*3*	*AN*	*102*	*constant*

Example:

```
PAT+7'
DTM+209:20090130:102'
```

Indicating an early payment allowance is mandatory if applicable.

(SG8) PAT	***Terms of payment***		***K***	***1***			
	4279	*Qualifier,*	*M*	*1*	*AN*	*22*	*Early payment discount*
	C110	*Text*	*K*	*1*			
	4277	*Identification*	*M*	*1*	*N*	*6*	*constant*
	1131	*Code list*	*K*				*Not used*
	4277	*Identification*	*K*				*Not used*
	4276	*Text*	*K*	*35*	*AN*	*3% cash discount for prompt payment*	
	4276	*Text*	*K*	*35*	*AN*	*Until 09/10/01*	
	C112	*Terms of payment, time indication*	*K*	*1*			
	2475	*Base date*	*M*	*3*	*AN*	*5*	*constant (invoice date)*
	2009	*Relation*	*M*	*3*	*AN*	*3*	*constant*
	2151	*Type of unit*	*M*	*3*	*AN*	*D*	*constant*
	2152	*Number of units*	*M*	*3*	*N*	*30*	*Days*
DTM	***Date/time/period***		***K***	***1***			
	C507	*Date/time/period*	*M*	*1*			
	2005	*Date/time/period, Qualifier*	*M*	*3*	*AN*	*12*	*Discount due date*

	2380	*Date/time/period*	*M*	*35*	*AN*	*20090110*	*Terms discount due date (YYYYMMDD)*
	2379	*Date/time/period, Format qualifier*	*M*	*3*	*AN*	*102*	*constant*
PCD	***Percentage details***		***M***	***1***			
	C501	*Percentage details*	*M*	*1*			
	5245	*Qualifier*	*M*	*3*	*AN*	*12*	*constant*
	5482	*Percentage*	*M*	*10*	*N*	*3*	*Rate of early payment discount*
MOA	***Monetary amount***		***K***	***5***			
	C516	*Monetary amount*	*M*	*1*			
	5025	*Monetary amount, Qualifier*	*M*	*3*	*AN*	*21*	*Cash discount*
	5004	*Monetary amount*	*M*	*18*	*N*		

Example:

```
PAT+22'
DTM+12:20090110:102'
PCD+12:3'
```

Indicating a due date is mandatory if applicable.

(SG8) PAT	***Terms of payment***		***K***	***1***			
	4279	*Qualifier,*	*M*	*1*	*AN*	*3*	*Due date*
	C112	*Terms/time/information*	*K*	*1*			

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
	2475	*Base date*	*M*	*3*	*AN*	*5*	*constant (invoice date)*
	2009	*Relation*	*M*	*3*	*AN*	*3*	*constant*
	2151	*Type of unit*	*M*	*3*	*AN*	*D*	*constant*
	2152	*Number of units*	*M*	*3*	*N*	*30*	*Days*
DTM	***Date/time/period***		***K***	***1***			
	C507	*Date/time/period*	*M*	*1*			
	2005	*Date/time/period, Qualifier*	*M*	*3*	*AN*	*13*	*Due date*
	2380	*Date/time/period*	*M*	*35*	*AN*	*20090130*	*Due date (YYYYMMDD)*
	2379	*Date/time/period, Format qualifier*	*M*	*3*	*AN*	*102*	*constant*

Example:

```
PAT+3'
DTM+13:20090130:102'
```

Transportation details are optional.

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
TDT	***Details of transport***		***K***	***1***			
	8051	*Transport stage qualifier*	*M*	*1*	*AN*	*20*	*konstant*
	8028	*Conveyance reference number*	*K*				*nicht verwendet*
	C220	*MODE OF TRANSPORT*	*K*	*1*			
	8067	*Mode of transport, coded*	*K*				*nicht verwendet*
	8066	*Mode of transport*	*K*	*17*	*AN*	*Rail Express*	

Beispiel:

```
TDT+20++:Rail Express'
```

Indicating terms of delivery or transport is optional.

TOD	***Terms of delivery or transport***		***K***	***1***			
	4055	*Terms of delivery or transport function, coded*	*K*				*Not used*
	4215	*Transport charges method of payment, coded*	*K*				*Not used*
	C100	*Terms of delivery or transport, coded*	*K*	*1*			
	4053	*Terms of delivery or transport, coded*	*K*	*3*	*AN*	*CPT* *CIP*	*Freight, Carriage paid to destination* *Freight, Carriage, Insurance to destination* *other INCOTERMS abbreviations possible*
	1131	*Code list qualifier*	*K*				*Not used*
	3055	*Code list responsible agency, coded*	*K*				*Not used*
	4052	*Terms of delivery or transport*	*K*	*70*	*AN*	*delivery free of charge*	

Beispiel:

```
TOD+++CPT'
```

Indicating Measurements for the total shipment is optional.
If measurements should be indicated, the PAC is mandatory.
Use 7224=0 if no indication of number of packages is wanted but measurements have to be given.

(SG13) PAC	**Packages**		K	1			
	7224	Number of packages	M	1			
(SG13) MEA	**Measurements**		**K**	**6**			
	6311	Measurement application qualifier	M	3	AN	PD	PD = Physical dimensions
	C502	MEASUREMENT DETAILS	K	1			
	6313	Measurement dimension, coded	K	3	AN	AAC AAD	Total net weight Total gross weight
	C174	VALUE/RANGE	K	1			
	6411	Measure unit qualifier	M	3	AN	KGM	kg
	6314	Measurement value	K	18	N	550	

Example:

```
PAC+0'
MEA+PD+AAC+KGM:111.11'
MEA+PD+AAD+KGM:122.22'
```

Increases and reductions are to be indicated if applicable.

(SG15) ALC	**Increases and reductions**		**K**	**5**			
	5463	Increase/reduction, Qualifier	M	3	AN	A or C	C=charge, A=allowance
	C552	Increase/reduction information	K				Not used
	4471	Qualifier	K				Not used
	1227	Qualifier	K				Not used
	C214	Increase/reduction information	K	1			
	7161	Increases/reductions, Qualifier	K	3	AN	FC IN MAC	Freight charges Insurance Minimum order surcharge
	1131	Qualifier	K				Not used
	3055	Qualifier	K				Not used
	7160	Increase/reductions text	K	35	AN	Customer discount	
QTY	**Zu-/Abschlagmenge**		**K**	**1**			
	C186	Mengenangaben	M	1			
	6063	Menge Qualifier	M	3	AN	1	konstant
	6060	Menge	M	15	N	5	Zu-/Abschlagsmenge
PCD	**Increase and reductions percentage**		**K**	**1**			
	C501	Percentage	M	1			
	5245	Percentage Qualifier	M	3	AN	3	constant
	5482	Percentage	M	10	N	2.5	Percentage
MOA	**Monetary amount**		**M**	**1**			
	C516	Monetary amount	M	1			

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
	5025	Monetary amount, qualifier	M	3	AN	8	Increase/reduction amount
	5004	Monetary amount	M	18	N	10.00	
TAX	***Duty/tax/fee details***		***K***	***1***			
	5283	*Duty/tax/fee function qualifier*	*M*	*3*	*AN*	*7*	*constant*
	C241	*Duty/tax/fee type*	*K*	*1*			
	5153	*Duty/tax/fee type, coded*	*M*	*3*	*AN*	*VAT*	*constant*
	C533	*DUTY/TAX/FEE ACCOUNT DETAIL*	*K*				*not used*
	5286	*Duty/tax/fee assessment basis*	*K*				*not used*
	C243	*DUTY/TAX/FEE DETAIL*	*K*	*1*			
	5279	*Duty/tax/fee rate identification*	*K*				*not used*
	1131	*Code list qualifier*	*K*				*not used*
	3055	*Code list responsible agency, cod.*	*K*				*not used*
	5278	*Duty/tax/fee rate*	*M*	*17*	*AN*	*19.00*	
	5305	*Duty/tax/fee category, coded*	*K*	*3*	*AN*	*A* *S*	

Example freight costs:

```
ALC+C++++FC'
MOA+8:10.00'
TAX+7+VAT+++:::19.00+S'
```

Example: reductions for customer discount. :

```
ALC+A++++:::customer discount'
PCD+3:2.5'
MOA+8:5.00'
```

Indicating line items is mandatory.

(SG25) LIN	**Line item**		**K**	**n**			
	1082	Line item	K	6	N	10	
	1229	Qualifier	K				Not used
	C212	Item identification	K	1			
	7140	Item number	K	35	AN	4123456987650	EAN
	7143	Type of item number	K	3	AN	EN	

Example:

```
LIN+10++4123456987650:EN'
```

Indicating additional article identifications is recommended.

(SG25) PIA	**additional product ID**		**M**	**n**			
	4347	qualifier	M	3	AN	1	1=additional ID
	C212	product identification	K				not used
	7140	item number	K	35	AN	456789789789789	ID
	7143	item number type, coded	K	3	AN	SA	SA= Supplier's item number

Example Supplier's item number:

```
PIA+1+1215030:SA'
```

(SG25) PIA	**additional product ID**		**M**	**n**			
	4347	qualifier	M	3	AN	1	1=additional ID
	C212	product identification	K				not used
	7140	item number	K	35	AN	4321	ID
	7143	item number type, coded	K	3	AN	IN	IN=costumer’s item number

Example costumer’s item number:

```
PIA+1+4321:IN'
```

(SG25) PIA	**additional product ID**		**M**	**n**			
	4347	qualifier	M	3	AN	1	1=additional ID
	C212	product identification	K				not used
	7140	item number	K	35	AN	0001	ID
	7143	item number type, coded	K	3	AN	NB	NB=Batch number

Example batch number:

```
PIA+1+0001:NB’
```

(SG25) PIA	**additional product ID**		**M**	**n**			
	4347	qualifier	M	3	AN	1	1=additional ID
	C212	product identification	K				not used
	7140	item number	K	35	AN	57032098	ID

	7143	item number type, coded	K	3	AN	HS	HS=Customs tariff number Use MOA+40 for indicating customs value

Example Customs tariff number:

```
PIA+1+57032098:HS'
```

Indicating an item description is mandatory.

IMD	**Item description**		**K**	**7**			
	7077	Type of description	K	3	AN	A	„A“ or „F“
	7081	Qualifier	K				Not used
	C273	Item identification	K	1			
	7009	Qualifier	K				Not used
	1131	Qualifier	K				Not used
	3055	Qualifier	K				Not used
	7008	Item description	K	35	AN	Item 1	
	7008	Item description	K	35	AN	Descriptions included	

Example:

```
IMD+A++:::Item 1 :Description included'
```

Indicating Measurements is optional.

MEA	**Measurements**		**K**	**6**			
	6311	Measurement application qualifier	M	3	AN	PD HS	PD = Physical dimensions HS = measurements for custom purposes
	C502	MEASUREMENT DETAILS	K	1			
	6313	Measurement dimension, coded	K	3	AN	AAB AAF AAC AAD ADJ WD LN HT	Unit gross weight Net net weight Total net weight Total gross weight Surface Width Length Hight
	C174	VALUE/RANGE	K	1			
	6411	Measure unit qualifier	M	3	AN	PCE MTK MMK MMT CMT KGM GRM LTR	Piece m² mm² mm cm kg g Liter
	6314	Measurement value	K	18	N	550	

Example Measurements:

```
MEA+PD+AAB+KGM:550'
```

Example Measurements regarding customs:

```
MEA+HS+AAC+KGM:550'
MEA+HS+AAD+KGM:570'
MEA+HS+ADJ+MTK:10'
```

Indicating the invoiced quantity is mandatory.

QTY	**Quantity**		**K**	**2**			
	C186	Quantity	M	1			
	6063	Quantity, qualifier	M	3	AN	47 46	Invoiced quantity ordered quantity
	6060	Quantity	M	15	N	1	
	6411	Quantity unit, Qualifier	K	3	AN	PCE	

Example:

```
QTY+46:1:PCE'
QTY+47:1:PCE'
```

Indication a country of origin ist optional.

ALI	**Country of origin**		**K**	**1**			
	3239	Country of origin, coded	M	3		CH	ISO 3166 2-Alpha Code

Example:

```
ALI+CH'
```

Indicating free text as additional item description are possible.

(SG25) FTX	***Free Text***		***K***	***10***			
	4451	*Text subject, qualifier*	*M*	*3*	*AN*	*ZZZ*	*additional text*
	4453	*Indication of text processing, qual.*	*K*	*3*	*AN*		*Not used*
	C107	*Text-reference*	*K*				
	C108	*Text literal*	*K*	*1*			
	4440	*Free text*	*K*	*70*	*AN*	*additional information*	
	4440	*Free text*	*K*	*70*	*AN*		
	4440	*Free text*	*K*	*70*	*AN*		
	4440	*Free text*	*K*	*70*	*AN*		
	4440	*Free text*	*K*	*70*	*AN*		

Example:

FTX+ZZZ+++ *additional information*.'

Indicating monetary amounts and prices for line items are necessary.

(SG26) MOA	**Monetary amount**		**K**	**1**			
	C516	Monetary amount	M	1			
	5025	Monetary amount, qualifier	M	3	AN	203 66 40	Line item amount (gross) Goods item total Value for customs
	5004	Monetary amount	M	18	N	204.1	

Example:

```
MOA+203:204.1'
MOA+40:204.1'
```

Indicating line level item prices is mandatory.

(SG28) PRI	**Prices**		**K**	**2**			
	C509	Price information	K	1			
	5125	Price, qualifier	M	3	AN	AAA AAB AAE	AAA = net price per unit (without taxes, including charges and allowances) AAB = gross price per unit (without taxes, without charges and allowances) AAE = informational price (UVP)
	5118	Price	K	15	N	204.1	

Segment	Element		Description	M/K	W/L	Format	Content (Example)	Comments
(SG28) PRI	**Prices**			**K**	**2**			
	5375		Type of price, coded	K				Not used
	5387		Type of price, qualifier	K				Not used
	5284		Unit price basis	K	9	N	100	Quantity
	6411		Quantity unit, qualifier	K	3	AN	KGM	

Example:

```
PRI+AAA:169.45:::1:PCE'
PRI+AAB:211.5:::1:PCE'
PRI+AAE:211.5:::1:PCE'
```

A delivery note number and -date on line item level is optional, but mandatory when invoicing multiple orders with one invoice.

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
(SG29) RFF	**Reference**		**K**	**1**			
	C506	Reference	M	1			
	1153	Reference, qualifier	M	3	AN	DQ	constant
	1154	Reference number	M	35	AN	L-54321	Delivery note number
	1156	Line Number	M	6	N	000001	Line number in delivery note
DTM	***Date/time/period***		***K***	***2***			
	C507	*Date/time/period*	*M*	*1*			
	2005	*Date/time/period, qualifier*	*M*	*3*	*AN*	*171* *35*	*Delivery not date* *Date of delivery*
	2380	*Date/time/period*	*M*	*35*	*AN*	*20090101*	*Date (YYYYMMDD)*
	2379	*Date/time/period, format qualifier*	*M*	*3*	*AN*	*102*	*constant*

Example:

```
RFF+DQ:L-54321:000001'
DTM+171:20090101:102'
```

Indicating a line item's order number (costumer) is mandatory.

(SG29) RFF	**References**		**K**	**1**			
	C506	Reference	M	1			
	1153	Reference, qualifier	M	3	AN	ON	constant
	1154	Reference number	K	35	AN	B-54321	Order number, customer
	1156	Line number	K	6	AN	5	Order – Line number
DTM	***Date/time/period***		***K***	***2***			
	C507	*Date/time/period*	*M*	*1*			
	2005	*Date/time/period, qualifier*	*M*	*3*	*AN*	*171*	*Order date*
	2380	*Date/time/period*	*M*	*35*	*AN*	*20090101*	*Date (YYYYMMDD)*
	2379	*Date/time/period, format qualifier*	*M*	*3*	*AN*	*102*	*constant*

Example Order number:

```
RFF+ON:B-54321:000001'
DTM+171:20090101:102'
```

Indicating a line item's order number (vendor) is optional but recommended.

(SG29) RFF	**References**		**K**	**1**			
	C506	Reference	M	1			
	1153	Reference, qualifier	M	3	AN	VN	Vendor order number constant
	1154	Reference number	K	35	AN	A-54321	Order number, vendor
	1156	Line number	K	6	AN	5	Order – Line number
DTM	***Date/time/period***		***K***	***2***			
	C507	*Date/time/period*	*M*	*1*			
	2005	*Date/time/period, qualifier*	*M*	*3*	*AN*	*171*	*Order date (vendor)*
	2380	*Date/time/period*	*M*	*35*	*AN*	*20090101*	*Date (YYYYMMDD)*
	2379	*Date/time/period, format qualifier*	*M*	*3*	*AN*	*102*	*constant*

Example:

```
RFF+VN:A-54321:000001'
DTM+171:20090101:102'
```

Indicating tax information per line item is optional but recommended.

(SG33) TAX	***Tax and fees information***		***K***	***3***			
	5283	*Tax, qualifier*	*M*	*3*	*AN*	*7*	*constant*
	C241	*Tax type*	*K*	*1*			
	5153	*Tax type, qualifier*	*M*	*3*	*AN*	*VAT*	*constant*

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
	C533	*Tax/fees account details*	*K*				*Not used*
	5286	*Tax/fees assessment basis*	*K*				*Not used*
	C243	*Tax/fees details*	*K*	*1*			
	5279	*Tax rate, identification*	*K*				*Not used*
	1131	*Code list, qualifier*	*K*				*Not used*
	3055	*Code list responsible agency, qualifier*	*K*				*Not used*
	5278	*Tax rate*	*M*	*1 7*	*AN*	*7.0*	*Value added tax rate*
	5305	*Tax category, qualifier*	*K*	*3*	*AN*	*S*	*Mixed/combined tax rate*
MOA	***Monetary amount***		***K***	***5***			
	C516	*Monetary amount*	*M*	*1*			
	5025	*Monetary amount, qualifier*	*M*	*3*	*AN*	*124*	*Tax amount*
	5004	*Geldbetrag*	*M*	*18*	*N*	*14.29*	

Example:

```
TAX+7+VAT+++:::7+S'
MOA+124:14.29'
```

Indicating a delivery party on line item level is optional. Indicating name and address is mandatory here.

(SG34) NAD	***Name and address***		***K***	***1***			
	3035	*Party, qualifier*	*M*	*3*	*AN*	*DP*	*constant delivery address if not identical with buyer*
	C082	*Party identification*	*K*	*1*			

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
	3039	Party identification	M	35	AN	4987654321096	GLN of delivery party
	1131	Codeliste, qualifier	K				Not used
	3055	Code list responsible agency	M	3	AN	9 92	
	C058	Name and address	K				Not used
	C080	Name	M	1			
	3036	Name	M	35	AN	delivery party UVW	
	3036	Name	K	35	AN		
	C059	Street	K	1		Bahnhofstrasse 40	
	3042	Street	M	35	AN		
	3164	City	M	35	AN	Hannover	
	3229	Region, qualifier	K				not used
	3251	Zip Code	M	9	AN	30159	
	3207	Country, qualifier	K	3	AN	DE	ISO 3166 2-Alpha Code

Example:

```
NAD+DP+4987654321096::9++delivery party UVW+Bahnhofstrasse 40+Hannover++30159+DE'
```

Increases and reductions are to be indicated if applicable.

(SG38) ALC	***Increases and reductions***		***K***	***5***			
	5463	Increase/reduction, Qualifier	M	3	AN	A or C	C=charge, A=allowance
	C552	Increase/reduction information	K				Not used
	1230	Allowance or charge number	K	35	AN		
	5189	charge/Allowance description,	K	3	AN		Not used

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
		coded					
	4471	*Qualifier*	*K*				*Not used*
	1227	*Qualifier*	*K*				*Not used*
	C214	*Increase/reduction information*	*K*	*1*			
	7161	*Increases/reductions, Qualifier*	*K*	*3*	*AN*	*DI*	*DI=Discount*
	1131	*Qualifier*	*K*				*Not used*
	3055	*Qualifier*	*K*				*Not used*
	7160	*Increase/reductions text*	*K*	*35*	*AN*	*Customer discount*	
PCD	***Increase and reductions percentage***		***K***	***1***			
	C501	*Percentage*	*M*	*1*			
	5245	*Percentage Qualifier*	*M*	*3*	*AN*	*3*	*constant*
	5482	*Percentage*	*M*	*10*	*N*	*2.5*	*Percentage*
MOA	***Monetary amount***		***M***	***1***			
	C516	*Monetary amount*	*M*	*1*			
	5025	*Monetary amount, qualifier*	*M*	*3*	*AN*	*8*	*Increase/reduction amount*
	5004	*Monetary amount*	*M*	*18*	*N*	*10.00*	
TAX	***Tax and fees information***		***K***	***3***			
	5283	*Tax, qualifier*	*M*	*3*	*AN*	*7*	*constant*
	C241	*Tax type*	*K*	*1*			
	5153	*Tax type, qualifier*	*M*	*3*	*AN*	*VAT*	*constant*
	C533	*Tax/fees account details*	*K*				*Not used*
	5286	*Tax/fees assessment basis*	*K*				*Not used*
	C243	*Tax/fees details*	*K*	*1*			
	5279	*Tax rate, identification*	*K*				*Not used*
	1131	*Code list, qualifier*	*K*				*Not used*
	3055	*Code list responsible agency, qualifier*	*K*				*Not used*

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
	5278	*Tax rate*	*M*	*17*	*AN*	*7.0*	*Value added tax rate*
	5305	*Tax category, qualifier*	*K*	*3*	*AN*	*S*	*Mixed/combined tax rate*

Example:

```
ALC+A++++:::customer discount'
PCD+3:2.5'
MOA+8:5.00'
TAX+7+VAT+++:::19+S'
```

An UNS segment is mandatory.

UNS	**Section control**		**M**	**1**			
	0081	Section control, qualifier	M	1	A	S	constant

Following monetary amount indications are mandatory

(SG48) MOA	**Monetary amount**		**M**	**5**			
	C516	Monetary amount	M	1			
	5025	Monetary amount, qualifier	M	3	AN	79 86 125 129 131	Total line items amount invoice amount taxable amount Total amount subject to payment discount Sum of ALC

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
						124	tax amount
	5004	Monetary amount	M	18	N		

Example:

```
MOA+86:218.39'
MOA+79:204.10'
MOA+125:204.10'
MOA+124:14.29'
MOA+129:218.39'
```

Indicating tax information is mandatory. For each tax rate there should be one SG50.

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
(SG50) TAX	**Tax and fees information**		**K**	**3**			
	5283	Tax, qualifier	M	3	AN	7	constant
	C241	Tax type	K	1			
	5153	Tax type, qualifier	M	3	AN	VAT	constant
	C533	Tax/fees account details	K				Not used
	5286	Tax/fees assessment basis	K				Not used
	C243	Tax/fees details	K	1			
	5279	Tax rate, identification	K				Not used
	1131	Code list, qualifier	K				Not used
	3055	Code list resp. agency, qualifier	K				Not used

Segment	Element	Description	M/K	W/L	Format	Content (Example)	Comments
	5278	Tax rate	M	17	AN	19.0	Value added tax rate
	5305	Tax category, qualifier	K	3	AN	A	Mixed/combined tax rate
MOA	**Monetary amount**		**K**	**5**			
	C516	Monetary amount	M	1			
	5025	Monetary amount, qualifier	M	3	AN	124 125	Tax amount Taxable amount
	5004	Geldbetrag	M	18	N	14.29	

Example:

```
TAX+7+VAT+++:::19+S'

MOA+79:204.10'

MOA+176:14.29'
```

Indicating an UNT segment is mandatory.

UNT	**Message trailer**		**K**	**1**			
	0074	Number of segments in the message	M	6	N		
	0062	Message reference number	M	1 4	AN	1	Corresponds to UNH segment

Example:

```
UNT+142+1'
```

Indicating an UNZ segment is mandatory.

UNZ	**Additional indications**		**M**	**1**			
	0063	Interchange control count	M	3	AN		Number of messages within an interchange
	0020	Interchange control reference	M	14	AN	31	Identical to DE 0020 in UNB segment

Example:

```
UNZ+1+31'
```