

EDI Guideline

KION Group Invoic

based on

EDIFACT INVOIC D.96A

Version 1.70
12.02.2016

KIM/OD – Integration & EDI

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KION Group Invoice

History:

Version 1.00 - 12.07.2012

- Initial release

Version 1.10 - 07.02.2013

- Page 9: Field 0057 (EDIN03) at UNH Segment deleted
- Page 33: Measure unit qualifier added (GRM=gram, KGM=kilogram, LTR=liter, MTR=meter)
- Page 18: VAT registration number for Linde Hydraulics added
- Page 19: Fiscal number for Linde Hydraulics added

Version 1.20 - 29.07.2013

- general: KION release created

Version 1.30 - 10.02.2014

- Page 4: SG No. 51 (MOA+8) changed from O = optional to C = conditional
- Page 7: Point for MOA+8 changed from ● to ●
- Page 42: Comment changed
- Page 47: SG48 changed from O to M and MOA from O to C; Comment added
- Page 50: KAN = Kanban as surcharge qualifier added

Version 1.40 - 20.02.2014

- Page 42: Freight and packaging removed from field 7161; Comment added

Version 1.50 - 31.03.2015

- Page 6: Point for FII+II and RFF+ACK changed from ● to ●
- Page 13: FII changed from O to M
- Page 16: RFF+ACK changed from O to M
- Page 36: Description at MOA+203 in field 5025 and 5004 changed
- Page 36: Description at MOA+38 in field 5025 and 5004 changed

Version 1.51 - 12.08.2015

- Page 3/11: FTX: Number of repetitions corrected from 99 to 10

Version 1.60 - 12.11.2015

- Page 19: change fiscal number for STILL

Version 1.70 - 12.02.2016

- Page 26: add 5402 with currency exchange rate at CUX Segment

Used Segments

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M = Mandatory
O = Optional
C = Conditional

Explanation of usage:

First of all, the usage of each segment has to be considered, so if a segment is mandatory (M), it has to appear in the data file.

It might happen, that a segment itself is optional (O), but the elements within the segment are declared as mandatory. This means, it is not required that the segment is included, but if the segment is in data file, the mandatory fields must be filled.

The same procedure has to be applied to segment groups and segments: A segment group can be optional, while the contained segments are mandatory. In this case all mandatory segments of a segment group has to appear in the data file, if you decide to use this segment group.

The request of certain segment groups, segments or fields may differ from the description of INVOIC D96A like it is distributed from the UNECE. We have changed the request of some elements from optional to mandatory as they are important for our processes.

Example

- UNA:+.? '
- UNB+UNOC:3+4711:92+123456:91+120315:1002+75'
- UNH+1+INVOIC:D:96A:UN'
- BGM+380+9876543210+9'
- DTM+137:20120315:102'
- FTX+AAI+++Kopftext1+DE'
- FTX+AAI+++Kopftext2+DE'
- NAD+SU+4711::92++Mueller GmbH+Industriestr. 12+Frankfurt++60311+DE'
- FII+II+580518:Mueller GmbH+59949999:::Sparkasse Frankfurt:DE'
- RFF+VA:DE143240815'
- RFF+FC:24017421308'
- RFF+ACK:DE59949999000000000000'
- NAD+BY+123456::91++KION GROUP AG+Abraham-Lincoln-Str+Wiesbaden++65189+DE'
- RFF+VA:DE814000000'
- RFF+FC:204111111111'
- CTA+PD+116:Tony Kunde'
- COM+Tony.Kunde@kiongroup.com:EM'
- COM+0049 711 99 1234:TE'
- COM+0049 711 99 1235:FX'
- NAD+IV+123456::91++KION GROUP AG+Abraham-Lincoln-Str+Wiesbaden++65189+DE'
- NAD+DP+1001::92++KION GROUP, WERK 2, TOR 2+Abraham-Lincoln-Str+Wiesbaden++65189+DE'
- CTA+IC+072:Alfred Warenempfänger'
- COM+Alfred.Warenempfaenger@kiongroup.com:EM'
- COM+0049 711 994321:TE'
- COM+0049 711 995321:FX'
- CUX+2:EUR:4++27.02'
- PAT+1++5::D:14'
- PCD+7:3:13'
- PAT+1++5::D:30'
- TOD+6++EXW:::Frankfurt'
- LIN+10++0009812142:BP'
- PIA+5+6000300029:SA'
- IMD+F++:::Zahnradpumpe'
- QTY+47:5:PCE'
- ALI+DE++X'
- FTX+LIN+1++Positionstext1+DE'
- FTX+LIN+1++Positionstext2+DE'
- MOA+203:977.1'
- MOA+38:992.1'
- PRI+AAA:195.42:::1:PCE'
- RFF+ON:5500011934:10'
- RFF+DQ:1113DE108231:10'
- TAX+7+VAT+++:::19'
- MOA+124:188.5'
- NAD+DP+1001::92++KION GROUP, WERK 2, TOR 2+Abraham-Lincoln-Str+Wiesbaden++65189+DE'
- ALC+C++++AAJ'
- MOA+8:20'
- ALC+A++++RAA'
- MOA+8:5'

- UNS+S'
- MOA+77:1198.45'
- MOA+79:977.1'
- MOA+8:30'
- TAX+7+VAT++++:19'
- MOA+124:191.35'
- MOA+125:1007.1'
- ALC+C++++ABL'
- MOA+8:25'
- ALC+A++++RAA'
- MOA+8:10'
- UNT+59+1'
- UNZ+1+75'

UNB M 1 Interchange Header

Description: Service segment providing the unique identification of an interchange. It allows the identification of the sender and the receiver of the interchange, gives date and time of preparation as well as the interchange control reference

Example: **UNB+UNOC:3+4711:92+123456:91+120315:1002+75**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
S001	Syntax Identifier	M			
0001	Syntax identifier	M	a4	M	UNOC
0002	Syntax version number	M	n1	M	3
S002	Interchange Sender	M			
0004	Sender identification	M	an..35	M	4711 = vendor number at KION system
0007	Partner identification code qualifier	M	an..4	M	92 = Assigned by buyer or buyer's agent ZZ = Mutually defined 14 = EAN International
S003	Interchange Recipient	M			
0010	Recipient Identification	M	an..35	M	123456 = KION (brand) customer no at vendor system
0007	Partner identification code qualifier	M	an..4	M	91 = Assigned by vendor or vendor's agent ZZ = Mutually defined 14 = EAN International
S004	Date/Time of preparation	M			
0017	Date of preparation	M	n6	M	120315 = YYMMDD
0019	Time of preparation	M	n4	M	1002 = HHMM
0020	Interchange control reference	M	an..14	M	75 = No. of interchanges to partner

Segment No.: 1

UNH M 1 Message Header

Description: Service segment starting and uniquely identifying a message. The message type code for the invoice is INVOIC

Example: **UNH+1+INVOIC:D:96A:UN'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
0062	Message reference number	M	an..14	M	1 = No. of message within interchange
S009	Message Identifier	M			
0065	Message type	M	an..6	M	INVOIC
0052	Message version number	M	an..3	M	D
0054	Message release number	M	an..3	M	96A
0051	Controlling agency	M	an..2	M	UN

Segment No.: 2

BGM M 1 Beginning of Message

Description: A segment by which the sender must uniquely identify the invoice by means of its name and number and when necessary its function.

Example: **BGM+380+9876543210+9'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C002	Document / Message name	C		M	
1001	Document / Message name	C	an..3	M	Document name code 380 = Commercial invoic
C106	Party identification details	M		M	
1004	Document number	C	an..35	M	9876543210 = Invoic number
1225	Message function code	C	an..3	M	9 = Original

Segment No.: 3

DTM M 35 Date and Time

Description: A segment specifying general dates and, when relevant, times related to the whole message. The segment must be specified at least once to identify the order date.

Example: **DTM+137:20120315:102'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C507	Date / Time / Period	M		M	
2005	Date / Time / Period qualifier	M	an..3	M	137 = Document / Message date/time
2380	Date	C	an..35	M	20120315
2379	Format qualifier	C	an..3	M	102 = YYYYMMDD

Segment No.: 4-5

FTX O 10 Header Text

Description: A segment to provide free form or coded text information.

Example: **FTX+AAI+++Kopftext1+DE'**
FTX+AAI+++Kopftext2+DE'

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
4451	Text subject code qualifier	M	an..3	M	AAI = General information
C108	Text Literal	M		M	
4440	Free text value	M	an..3	M	Kopftext1 = Free text value
3453	Language name code	M		M	DE or EN

Segment No.: 6 **SG2-NAD** (Supplier, Lieferant)

SG2 O 99 Segment Group 2

Description: A group of segments identifying the parties with associated information.

NAD M 1 Name and Address

Description: A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the invoice. Identification of the seller and buyer parties is mandatory for the invoice message.

Example: **NAD+SU+4711::92++Mueller GmbH+Industriestr. 12+Frankfurt++60311+DE'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3035	Party qualifier	M	an..3	M	SU = Supplier
C082	Party identification details	C		M	
3039	Party identification	M	an..35	M	4711 = Supplier number
3055	Responsible f. code	C	an..3	M	92 = Assigned by buyer or buyer's agent
C080	Name and address	C		M	
3036	Name	M	an..35	M	Name (Mueller GmbH)
3036_2	Name	C	an..35	O	
3036_3	Name	C	an..35	O	
3036_4	Name	C	an..35	O	
C059	Name and address	C		M	
3042	Street and/or PO Box number	M	ab..35	M	Street (Industriestr. 12)
3042	Street and/or PO Box number	C	an..35	O	
3164	Name of city	C	an..35	M	City (Frankfurt)
3229	Country sub-entity identification	C	An..9	O	
3251	Postal code	C	an..9	M	Postal code (60311)
3207	Country code ISO 3166-2	C	an..3	M	Country code (DE)

Segment No.: 7 **SG2-FII**

SG2 O 99 Segment Group 2

Description: A group of segments identifying the parties with associated information.

FII O 5 Name and Address

Description: A segment identifying the financial institution (e.g. bank) and relevant account numbers for the seller, buyer and where necessary other parties

Example: **FII+II+580518:Mueller GmbH+59949999:.....Sparkasse Frankfurt:DE'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3035	Party qualifier	M	an..3	M	II = Issuer of invoice
C078	Party identification details	C		O	
3194	Account holder identifier	M	an..35	M	580518
3192	Account holder name	C	an..35	M	Mueller GmbH
C088	Name and address	C		O	
3433	Institution name code	M	an..35	M	59949999 = BLZ
3432	Institution name	C	an..35	M	Sparkasse Frankfurt
3436	Institution branch location name	C	an..35	M	DE

Segment No.: 8 **SG2-SG3-RFF**

SG2 O 99 Segment Group 2
SG3 O 9999 Segment Group 3

Description: A group of segment for giving references only relevant to the specified party rather than the whole invoice

RFF M 1 Reference

Description: A segment identifying the reference by its number and where appropriate a line number within a document.

Example: **RFF+VA:DE143240815'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C506	Date / Time / Period	M		M	
1153	Reference qualifier	M	an..3	M	VA = VAT registration number
1154	Reference number	C	an..35	M	DE143240815

Segment No.: 9 **SG2-SG3-RFF**

SG2 O 99 Segment Group 2
SG3 O 9999 Segment Group 3

Description: A group of segment for giving references only relevant to the specified party rather than the whole invoice

RFF M 1 Reference

Description: A segment identifying the reference by its number and where appropriate a line number within a document.

Example: **RFF+FC:24017421308'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C506	Date / Time / Period	M		M	
1153	Reference qualifier	M	an..3	M	FC = Fiscal number
1154	Reference number	C	an..35	M	24017421308

Segment No.: 10 **SG2-SG3-RFF**

SG2 O 99 Segment Group 2
SG3 O 9999 Segment Group 3

Description: A group of segment for giving references only relevant to the specified party rather than the whole invoice

RFF M 1 Reference

Description: A segment identifying the reference by its number and where appropriate a line number within a document.

Example: **RFF+ACK:DE59949999000000000000'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C506	Reference	M		M	
1153	Reference qualifier	M	an..3	M	ACK = Bank reference
1154	Reference number	C	an..35	M	DE59949999000000000000 = IBAN

Segment No.: 11 **SG2-NAD** (Buyer, Käufer)

SG2 O 99 Segment Group 2

Description: A group of segments identifying the parties with associated information.

NAD M 1 Name and Address

Description: A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the invoice. Identification of the seller and buyer parties is mandatory for the invoice message.

Example: **NAD+BY+123456::91++KION GROUP AG+Abraham-Lincoln-Str+Wiesbaden++65189+DE'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3035	Party qualifier	M	an..3	M	BY = Buyer
C082	Party identification details	C		M	
3039	Party identification	M	an..35	M	123456 = KION (brand) customer no at vendor system
3055	Responsible f. code	C	an..3	M	91 = Assigned by vendor or vendor's agent 9 = EAN International ZZ = Mutually defined
C080	Name and address	C		M	
3036	Name	M	an..35	M	Name
3036_2	Name	C	an..35	O	
3036_3	Name	C	an..35	O	
3036_4	Name	C	an..35	O	
C059	Name and address	C		M	
3042	Street and/or PO Box number	M	ab..35	M	Street
3042_2	Street and/or PO Box number	C	an..35	O	
3164	Name of city	C	an..35	M	City
3229	Country sub-entity identification	C	An..9	O	
3251	Postal code	C	an..9	M	Postal code
3207	Country code ISO 3166-2	C	an..3	M	Country code

Segment No.: 12 **SG2-SG3-RFF**

SG2 O 99 Segment Group 2
SG3 O 9999 Segment Group 3

Description: A group of segment for giving references only relevant to the specified party rather than the whole invoice

RFF M 1 Reference

Description: A segment identifying the reference by its number and where appropriate a line number within a document.

Example: **RFF+VA:DE814809128'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C506	Reference	M		M	
1153	Reference qualifier	M	an..3	M	VA = VAT registration number
1154	Reference number	C	an..35	M	DE814809128 = LMH DE285285810 = LHY DE811145412 = STILL DE146466902 = KWS CZ47252103 = Linde Pohony

Segment No.: 13 **SG2-SG3-RFF**

SG2 O 99 Segment Group 2
SG3 O 9999 Segment Group 3

Description: A group of segment for giving references only relevant to the specified party rather than the whole invoice

RFF M 1 Reference

Description: A segment identifying the reference by its number and where appropriate a line number within a document.

Example: **RFF+FC:20411590802'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C506	Reference	M		M	
1153	Reference qualifier	M	an..3	M	FC = Fiscal number
1154	Reference number	C	an..35	M	20411590802 = LMH 20416755001 = LHY 20411590829 = STILL 7811317255 = KWS

Segment No.: 14 **SG2-SG5-CTA** (Buyer, Käufer)

SG2 O 99 Segment Group 2
SG5 O 5 Segment Group 5

Description: A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.

CTA O 1 Contact Information

Description: A segment to identify a person or department, and their function, to whom communications should be directed.

Example: **CTA+PD+116:Tony Kunde'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3139	Contact function, coded	C	an..3	M	PD = Purchasing contact
C056	Department or employee details	C		O	
3413	Dept. or employee identification	M	an..17	M	116 = Number of purchaser
3412	Department or employee	C	an..35	M	Name of purchaser

Segment No.: 15-17 **SG2-SG5-COM**(Buyer, Käufer)

SG2 99 Segment Group 2

SG5 5 Segment Group 5

Description: A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.

COM 5 Communication

Description: A segment to identify a communications type and number for the contact specified in the CTA segment.

Example: **COM+0049 711 99 1234:TE'**
COM+0049 711 99 1235:FX'
COM+Tony.Kunde@kiongroup.com:EM'

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C076	Communication	C		M	
3148	Communication number / address	M	an..512	M	0049 6021 99 4567
3155	Communication channel qualifier	C	an..3	M	TE = Phone FX = Fax EM = Email

Segment No.: 18 **SG2-NAD** (Supplier, Lieferant)

SG2 O 99 Segment Group 2

Description: A group of segments identifying the parties with associated information.

NAD M 1 Name and Address

Description: A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the invoice. Identification of the seller and buyer parties is mandatory for the invoice message.

Example: **NAD+IV+123456::91++Linde Material Handling GmbH+Carl-von-Linde-Platz
 +Aschaffenburg++63743+DE'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3035	Party qualifier	M	an..3	M	IV = Invoicee
C082	Party identification details	C		M	
3039	Party identification	M	an..35	M	123456 = KION (brand) customer no at vendor system
3055	Responsible f. code	C	an..3	M	91 = Assigned by vendor or vendor's agent 9 = EAN International ZZ = Mutually defined
C080	Name and address	C		M	
3036	Name	M	an..35	M	Name
3036_2	Name	C	an..35	M	
3036_3	Name	C	an..35	O	
3036_4	Name	C	an..35	O	
C059	Name and address	C		M	
3042	Street and/or PO Box number	M	ab..35	M	Street
3042	Street and/or PO Box number	C	an..35	O	
3164	Name of city	C	an..35	M	City
3229	Country sub-entity identification	C	An..9	O	
3251	Postal code	C	an..9	M	Postal code
3207	Country code ISO 3166-2	C	an..3	M	Country code

Segment No.: 19 **SG2-NAD** (Delivery party / unloading point)

SG2 M 99 Segment Group 2

Description: A group of segments identifying the parties with associated information.

NAD M 1 Name and Address

Description: A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the invoice. Identification of the seller and buyer parties is mandatory for the invoice message.

Example: **NAD+DP+1001::92++KION GROUP, WERK 2, TOR 2+Abraham-Lincoln-Str+Wiesbaden
++65189+DE'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3035	Party qualifier	M	an..3	M	DP = Delivery Party
C082	Party identification details	C		M	
3039	Party identification	M	an..35	M	1001 = Customer plant no.
3055	Responsible f. code	C	an..3	M	92 = Assigned by buyer
C080	Name and address	C		M	
3036	Name	M	an..35	M	KION GROUP, WERK 2, TOR 2 = Name, Plant, Door
3036_2	Name	C	an..35	O	
3036_3	Name	C	an..35	O	
3036_4	Name	C	an..35	O	
C059	Name and address	C		M	
3042	Street and/or PO Box number	M	ab..35	M	Street
3042	Street and/or PO Box number	C	an..35	O	
3164	Name of city	C	an..35	M	City
3229	Country sub-entity identification	C	An..9	O	
3251	Postal code	C	an..9	M	Postal code
3207	Country code ISO 3166-2	C	an..3	M	Country code

Segment No.: 20 **SG2-SG5-CTA** (Delivery party / unloading point)

SG2 O 99 Segment Group 2
SG5 O 5 Segment Group 5

Description: A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.

CTA O 1 Contact Information

Description: A segment to identify a person or department, and their function, to whom communications should be directed.

Example: **CTA+IC+072:Alfred Warenempfänger'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3139	Contact function, coded	C	an..3	M	IC = Information contact
C056	Department or employee details	C		M	
3413	Dept. or employee identification	M	an..17	M	072 = Number of consignee
3412	Department or employee	C	an..35	M	Name of Consignee

Segment No.: 21-23 **SG2-SG5-COM**(Delivery party / unloading point)

SG2 99 Segment Group 2

SG5 5 Segment Group 5

Description: A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.

COM 5 Communication

Description: A segment to identify a communications type and number for the contact specified in the CTA segment.

Example: **COM+0049 711 994321:TE'**
COM+0049 711 995321:FX'
COM+Alfred.Warenempfaenger@kiongroup.com:EM'

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C076	Communication	C		M	
3148	Communication number / address	M	an..512	M	0049 6021 994321
3155	Communication channel qualifier	C	an..3	M	TE = Phone FX = Fax EM = Email

Segment No.: 24 **SG7-CUX**

SG7 O 99 Segment Group 7

Description: A group of segments specifying the currencies and related dates/periods valid for the whole order. Currency data may be omitted in national applications but will be required for international transactions..

CUX M 1 Currencies

Description: A segment identifying the currencies required in the order e.g. the order currency. A rate of exchange may be given to convert a reference currency into a target currency.

Example: **CUX+2:EUR:4'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C504	Currency details	C		M	
6347	Currency details qualifier	M	an..3	M	2 = Reference currency
6345	Currency, coded	C	an..3	M	
6343	Currency qualifier	C	an..3	M	4 = Invoicing currency
5402	Currency exchange rate	C	n..12	O	27.02 = exchange rate (EUR -> CZK)

Segment No.: 25,27 **SG8-PAT**

SG8 O 10 Segment Group 8

Description: A group of segments specifying the terms of payment applicable for the whole invoice.

PAT O 1 Payment terms

Description: A segment identifying the payment terms and date/time basis.

Example: **PAT+1++5::D:14'**
PAT+1++5::D:30'

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
4279	Payment terms type qualifier	M	an..3	M	1 = Basic (Payment conditions normally applied)
C110	Payment terms	C		M	
4277	Terms of payment identification	M	an..17	O	
1131	Code list qualifier	C	an..3	O	
3055	Code list responsible agency, coded	C	an..3	O	
4276	Terms of payment	C	an..35	O	
4276	Terms of payment	C	an..35	O	
C112	Terms/Time information	C		M	
2475	Payment time reference, coded	M	an..3	M	5 = Date of invoice
2009	Time relation, coded	C	an..3	O	
2151	Type of period, coded	C	an..3	M	D = Days
2152	Number of periods	C	n..3	M	14 = 14 (Days) / 30 = 30 (Days)

Segment No.: 26 **SG8-PCD**

SG8 O 10 Segment Group 8

Description: A group of segments specifying the terms of payment applicable for the whole invoice.

PCD O 1 Percentage details

Description: A segment to specify percentage information.

Example: **PCD+7:3:13'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C501	Percentage Details	C		M	
5245	Percentage type code qualifier	M	an..17	M	7 = Percentage of invoice
5482	Percentage	C	an..3	M	3 = Percentage
5249	Percentage basis identification code	C	an..3	M	13 = Referenced percentage applies on the invoice value.
1131	Code list identification code	C	an..35	O	
3055	Code list responsible agency code	C	an..35	O	

Segment No.: 28 **SG12-TOD**

SG12 O 5 Segment Group 12

Description: A group of segments indicating the terms of delivery for the whole invoice.

TOD O 1 Terms of delivery or transport

Description: A segment identifying the delivery terms to be used e.g. UN INCOTERMS code could be used to specify the delivery terms..

Example: **TOD+6++EXW:::Frankfurt'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
4055	Terms of delivery or transport function, coded	C	an..3	M	6 = Delivery condition
4215	Transport charges method of payment, coded	C	an..3	O	
C100	Terms of delivery or transport	C		M	
4053	Terms of delivery or transport, coded	C	an..3	M	EXW = Ex works (INCOTERMS)
1131	Code list qualifier	C	an..3	O	
3055	Code list responsible agency, coded	C	an..3	O	
4052	Terms of delivery or transport	C	an..70	M	Frankfurt = Supplier plant
4052_2	Terms of delivery or transport	C	an..70	O	

Segment No.: 29 **SG25-LIN**

SG25 O 99999 Segment Group 25

Description: A group of segments providing details of the individual ordered items. This Segment group may be repeated to give sub-line details.

LIN M 1 Line item

Description: A segment identifying the line item by the line number and configuration level, and additionally, identifying the product or service ordered.

Example: **LIN+10++0009812142:BP'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
1082	Line item number	C	n..6	M	10 = Invoice item number
1229	Action request/notification, coded	C	an..3	O	
C212	Item number identification	C		M	
7140	Item number	C	an..35	M	0009812142
7143	Item number type, coded	C	an..3	M	BP = Part number buyer
1131	Code list qualifier	C	an..3	O	
3055	Code list responsible agency, coded	C	an..3	O	
C829	Sub-line information	C			
5495	Sub-line indicator, coded	C	an..3	O	
1082	Line item number	C	n..6	O	
1222	Configuration level	C	n..2	O	
7083	Configuration, coded	C	an..3	O	

Segment No.: 30 **SG25-PIA**

SG25 O 99999 Segment Group 25

Description: A group of segments providing details of the individual ordered items. This Segment group may be repeated to give sub-line details.

PIA M 25 Additional product id

Description: A segment providing either additional identification to the product specified in the LIN segment (e.g. Harmonized System number), or provides any substitute product identification.

Example: **PIA+5+6000300029:SA'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
4347	Product id. function qualifier	M	an..3	M	5 = Additional identification
C212	Item number identification	M		M	
7140	Item number	C	an..35	M	6000300029
7143	Item number type, coded	C	an..3	M	SA = Article number supplier
1131	Code list qualifier	C	an..3	O	
3055	Code list responsible agency, coded	C	an..3	O	

Segment No.: 31 **SG25-IMD**

SG25 O 99999 Segment Group 25

Description: A group of segments providing details of the individual ordered items. This Segment group may be repeated to give sub-line details.

IMD M 10 Item description

Description: A segment providing a description common to all line items of the order.

Example: **IMD+F+:::Zahnradpumpe'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
7077	Item description type, coded	C	an..3	M	F = Free form
7081	Item characteristic, coded	C	an..3	O	
C273	Item description	C		M	
7009	Item description identification	C	an..17	O	
1131	Code list qualifier	C	an..3	O	
3055	Code list responsible agency, coded	C	an..3	O	
7008	Item description	C	an..35	M	Zahnradpumpe
7008_2	Item description	C	an..35	O	
1222	Configuration level	C	n..2	O	
7083	Configuration, coded	C	an..3	O	

Segment No.: 32 **SG25-QTY**

SG25 O 99999 Segment Group 25

Description: A group of segments providing details of the individual ordered items. This Segment group may be repeated to give sub-line details.

QTY M 5 Quantity

Description: A segment identifying the product quantities e.g. invoiced quantity

Example: **QTY+47:5:PCE'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C186	Quantity details	M			
6063	Quantity qualifier	M	an..3	M	47 = Ordered quantity
6060	Quantity	M	n..15	M	5
6411	Measure unit qualifier	C	an..3	M	PCE = piece GRM = gram KGM = kilogram LTR = liter MTR = meter

Segment No.: 33 **SG25-ALI**

SG25 O 99999 Segment Group 25

Description: A group of segments providing details of the individual charged items. This Segment group may be repeated to give sub-line details.

ALI O 5 Quantity

Description: A segment indicating that allowance or charge specified is subject to special conditions owing to origin, customs preference or commercial factors.

Example: **ALI+DE++X'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3239	Country of origin name code	C	an..3	M	DE = Germany
9213	Duty regime type code	C	an..3	M	
4183	Special condition code	C	an..3	M	G = Origin european community, qualified for preference with all countries. W = Origin european community, qualified for trade with EFTA states. C = Switzerland O = Austria S = Sweden N = Norway F = Finland I = Island X = no preference

Segment No.: 34-35 **SG25-FTX**

SG25 O 99999 Segment Group 25

Description: A group of segments providing details of the individual charged items. This Segment group may be repeated to give sub-line details.

FTX O 5 Position Text

Description: A segment to provide free form or coded text information.

Example: **FTX+LIN+1++Positiontext1+DE'**
FTX+LIN+1++Positiontext2+DE'

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
4451	Text subject code qualifier	M	an..3	M	LIN = General information
4453	Free text function code	M	an..3	M	1 = Text for subsequent use. The occurrence of this text does not affect message processing.
C108	Text Literal	M		M	
4440	Free text value	M	an..3	M	Positiontext1 = Free text value
3453	Language name code	M		M	DE or EN

Segment No.: 36 **SG25-SG26-MOA**

SG25 O 99999 Segment Group 25
SG26 O 5 Segment Group 26

Description: A group of segments specifying any monetary amounts relating to the products and when necessary a currency.

MOA M 1 Monetary amount

Description: A segment specifying any monetary amounts relating to the product, e.g. item amount, insurance value, customs value.

Example: **MOA+203:977.1'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C516	Monetary Amount	M		M	
5025	Code qualifying the type of monetary amount.	M	an..3	M	203 = Line item amount
5004	Monetary amount	C	an..35	M	977.1 = Amount without considering allowances and/or charges

Segment No.: 37 **SG25-SG26-MOA**

SG25 O 99999 Segment Group 25
SG26 O 5 Segment Group 26

Description: A group of segments specifying any monetary amounts relating to the products and when necessary a currency.

MOA C 1 Monetary amount

Description: A segment specifying any monetary amounts relating to the product, e.g. item amount, insurance value, customs value.

Example: **MOA+38:992.1'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C516	Monetary Amount	M		C	
5025	Code qualifying the type of monetary amount.	M	an..3	M	38 = Total line item amount
5004	Monetary amount	C	an..35	M	992.1 = Total amount with considering allowances and/or charges

Comment: If allowances and/or charges are available at ALC (SG38) this MOA+38 is mandatory

Segment No.: 38 **SG25-SG28-PRI**

SG25 O 99999 Segment Group 25
SG28 O 25 Segment Group 28

Description: A group of segments identifying the relevant pricing information for the goods or services invoiced.

PRI M 1 Price details

Description: A segment to specify the price type and amount. The price used in the calculation of the line amount will be identified as 'Price'.

Example: **PRI+AAA:195.42:::1:PCE'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C509	Price information	C		M	
5225	Price qualifier	M	an..3	M	AAA = Calculation net
5118	Price	C	n..15	M	195.42
5375	Price type, coded	C	an..3	O	
5387	Price type qualifier	C	an..3	O	
5284	Unit price basis	C	n..9	M	1
6411	Measure unit qualifier	C	an..3	M	PCE
5213	Sub-line price change, coded	C	an..3	O	

Segment No.: 39-40 **SG25-SG29-RFF**

SG25 O 99999 Segment Group 25
SG29 O 10 Segment Group 29

Description: A group giving references and where necessary, their dates, relating to the line item.

RFF M 1 Reference

Description: A segment identifying the reference by its number and where appropriate a line number within a document.

Example: **RFF+ON:5500011934:10'**
RFF+DQ:1113DE108231:10'

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C506	Date / Time / Period	M		M	
1153	Reference qualifier	M	an..3	M	ON = Order or Schedule number DQ = Delivery note number
1154	Reference number	C	an..35	M	5500011934 = Schedule number
1156	Reference line item number	C	an..6	M	10

Segment No.: 41 **SG25-SG33-TAX**

SG25 O 99999 Segment Group 25
SG33 O 99 Segment Group 33

Description: A group of segments giving references and where necessary, their dates, relating to the line item.

TAX O 1 Duty/tax/fee details

Description: A segment specifying a tax type, category and rate, or exemption, relating to the line item.

Example: **TAX+7+VAT++++:19'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
5283	Duty or tax or fee function code qualifier	M	an..1	M	7 = Tax
C214	Duty/tax/fee type	C	an..35	M	
5153	Duty or tax or fee type name code	C	an..6	M	VAT = Value added tax
C243	Duty/tax/fee type detail	C	an..35	M	
5278	Duty or tax or fee rate description	C	an..17	M	19 = tax, duty or fee rate (e.g. 19,5% => 19.5)

Segment No.: 42 **SG25-SG33-MOA**

SG25 O 99999 Segment Group 25
SG33 O 99 Segment Group 33

Description: A group of segments specifying taxes totals for the line item.

MOA O 1 Monetary amount

Description: A segment specifying the line item summary amount for the tax specified.

Example: **MOA+124:188.5'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C516	Monetary amount	M		M	
5025	Monetary amount type qualifier	M	an..3	M	124 = Tax amount
5004	Monetary amount	C	an..35	M	188.5

Segment No.: 43 **SG25-SG34-NAD** (Delivery party / unloading point)

SG25 O 99999 Segment Group 25
SG34 O 20 Segment Group 34

Description: A group of segments identifying the parties with associated information, relevant to the line item only.

NAD O 1 Name and Address

Description: A segment identifying names and addresses of the parties, in coded or clear form, and their functions relevant to the line item . It is recommended that - where possible - only the coded form of the party ID should be specified. e.g. The Buyer and Seller are known to each other, thus only the coded ID is required, but the Consignee or Delivery address may vary and would have to be clearly specified, preferably in structured format.

Example: **NAD+DP+1001::92++KION GROUP, WERK 2, TOR 2+Abraham-Lincoln-Str
 +Wiesbaden++65189+DE'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3035	Party qualifier	M	an..3	M	DP = Delivery Party
C082	Party identification details	C		M	
3039	Party identification	M	an..35	M	1001 = Customer plant no.
3055	Responsible f. code	C	an..3	M	92 = Assigned by buyer
C080	Name and address	C		M	
3036	Name	M	an..35	M	KION GROUP, WERK 2, TOR 2 = Name, Plant, Door
3036_2	Name	C	an..35	O	
3036_3	Name	C	an..35	O	
3036_4	Name	C	an..35	O	
C059	Name and address	C		M	
3042	Street and/or PO Box number	M	ab..35	M	Street
3042	Street and/or PO Box number	C	an..35	O	
3164	Name of city	C	an..35	M	City
3229	Country sub-entity identification	C	An..9	O	
3251	Postal code	C	an..9	M	Postal code
3207	Country code ISO 3166-2	C	an..3	M	Country code

Segment No.: 44,46 **SG25-SG38-ALC**

SG25 O 99999 Segment Group 25
SG38 O 15 Segment Group 38

Description: A group of segments specifying allowances and charges for the line item where this is different to or not specified within the heading section.

ALC O 1 Allowance or charge

Description: A segment identifying the charge or allowance on line item level

Example: **ALC+C++++AAJ'**
ALC+A++++RAA'

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
5463	Allowance or charge code qualifier	C	an..3	M	C = Charge A = Allowance
C214	Special Services Identification	C		M	
7161	Special service description code	M	an..35	M	AAJ = Copper surcharge AAO = Material surcharge/deduction ABM = Scrap surcharge RAA = Rebate Freight- and packaging surcharge must be sent on invoice level. Please refer page 50 – 51.

Comment:

Charge or Allowance: The amount by which the price is adjusted upwards or downwards, depending on capacity or fixed supply. Usually this amount is specified as a fixed amount of money at the MOA+8 (SG41).

Segment No.: 45,47 **SG25-SG41-MOA**

SG25 O 99999 Segment Group 25
SG41 O 2 Segment Group 41

Description: A group of segments specifying a monetary amount for an allowance or charge on line item level

MOA O 1 Monetary amount

Description: A segment to specify a monetary amount.

Example: **MOA+8:20'**
 MOA+8:5'

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C516	Monetary Amount	M		M	
5025	Code qualifying the type of monetary amount.	M	an..3	M	8 = Allowance or charge amount
5004	Monetary amount	C	an..35	M	20 = charge amount 5 = allowance amount

Segment No.: 48

UNS M 1 Section control

Description: A service segment placed at the start of the summary section to avoid segment collision.

Example: **UNS+S'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
0081	Section identification	M	a..1	M	S = Detail/summary section separation

Segment No.: 49 **SG48-MOA**

SG48 M 100 Segment Group 48

Description: A group of segments giving total amounts for the whole invoice

MOA M 1 Monetary amount

Description: A segment giving the total sum charged in respect of a single Invoice in accordance with the terms of delivery.

Example: **MOA+77:1150.85'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C516	Monetary amount	M		M	
5025	Monetary amount type qualifier	M	an..3	M	77 = Total invoice amount (gross value)
5004	Monetary amount	C	n..18	M	1150.85

Segment No.: 50 **SG48-MOA**

SG48 M 100 Segment Group 48

Description: A group of segments giving total amounts for the whole invoice

MOA M 1 Monetary amount

Description: A segment giving the total sum of all the line item amounts.

Example: **MOA+79:977.1'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C516	Monetary amount	M		M	
5025	Monetary amount type qualifier	M	an..3	M	79 = Total line items amount
5004	Monetary amount	C	n..18	M	977.1

Segment No.: 51 **SG48-MOA**

SG48 M 100 Segment Group 48

Description: A group of segments giving total amounts for the whole invoice

MOA C 1 Monetary amount

Description: A segment giving the total sum of all Charge or Allowance amount.

Example: **MOA+8:30'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C516	Monetary amount	M		C	
5025	Monetary amount type qualifier	M	an..3	M	8 = Total Charge or Allowance amount
5004	Monetary amount	C	n..18	M	30

Comment: If allowances and/or charges are available on line item level at ALC (SG38) or at invoice level at ALC (SG51) this MOA+8 is mandatory

Segment No.: 52 **SG50-TAX**

SG50 M 10 Segment Group 50

Description: A group of segments specifying taxes totals for the invoice.

TAX M 1 Duty/tax/fee details

Description: A segment specifying the tax type to be summarized.

Example: **TAX+7+VAT+++:::19'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
5283	Duty or tax or fee function code qualifier	M	an..1	M	7 = Tax
C214	DUTY/TAX/FEE TYPE	C	an..35	M	
5153	Duty or tax or fee type name code	C	an..6	M	VAT = Value added tax
C243	DUTY/TAX/FEE DETAIL	C	an..35	M	
5278	Duty or tax or fee rate description	C	an..17	M	19 = tax, duty or fee rate (e.g. 19,5% => 19.5)

Segment No.: 53 **SG50-MOA**

SG50 M 10 Segment Group 50

Description: A group of segments specifying taxes totals for the invoice.

MOA M 2 Monetary amount

Description: A segment specifying the summary amount for the tax specified.

Example: **MOA+124:183.75'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C516	Monetary amount	M		M	
5025	Monetary amount type qualifier	M	an..3	M	124 = Tax amount
5004	Monetary amount	C	an..35	M	183.75

Segment No.: 54 **SG50-MOA**

SG50 M 10 Segment Group 50

Description: A group of segments specifying taxes totals for the invoice.

MOA M 2 Monetary amount

Description: A segment giving the amount on which a tax has to be applied.

Example: **MOA+125:967.1'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C516	Monetary amount	M		M	
5025	Monetary amount type qualifier	M	an..3	M	125 = Taxable amount
5004	Monetary amount	C	n..18	M	967.1

Segment No.: 55,57 **SG51-ALC**

SG51 O 15 Segment Group 51

Description: A group of segments specifying allowances and charges summary totals for the invoice

ALC O 1 Allowance or charge

Description: A segment identifying Allowance or charge on invoice level.

Example: **ALC+C++++ABL'**
 ALC+A++++RAA'

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
5463	Allowance or charge code qualifier	C	an..3	M	C = Charge A = Allowance
C214	Special Services Identification	C		M	
7161	Special service description code	M	an..35	M	FAC = Freight surcharge ABL = Packaging surcharge RAA = Rebate KAN = Kanban surcharge

Segment No.: 56,58 **SG51-MOA**

SG51 O 15 Segment Group 51

Description: A group of segments specifying allowances and charges summary totals for the invoice

MOA O 2 Monetary amount

Description: A segment specifying the summary amount for the allowance or charge on invoice level.

Example: **MOA+8:25'**
 MOA+8:10'

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C516	Monetary Amount	M		M	
5025	Code qualifying the type of monetary amount.	M	an..3	M	8 = Allowance or charge amount
5004	Monetary amount	C	an..35	M	25 = charge amount 10 = allowance amount

Segment No.: 59

UNT M 1 Message trailer

Description: A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

Example: **UNT+63+1'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
0074	Number of segments in a message	M	n..10	M	59
0062	Message reference number	M	an..14	M	1

UNZ M 1 Interchange trailer

Description: To end and check the completeness of an interchange.

Example: **UNZ+1+75**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
0036	Interchange control count	M	n..6	M	1 = number of messages in transmission
0020	Interchange control reference	M	an..14	M	75 = number of interchanges to partner (repetition from UNB 0020)