

# EDI Guideline

**KION Group DESADV**

based on

**EDIFACT DESADV D.96A**

Version 1.30

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**KIM/OD – Integration & EDI**

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EDI Guideline  
KION Group  
EDIFACT DESADV D.96A

**History:**

Version 1.00 - 19.03.2014

- Initial release

Version 1.10 - 08.08.2014

- Page 26: Qualifier "IN" in field 7143 added

Version 1.20 - 29.10.2014

- Page 27: example corrected from PIA+1 to PIA+5

Version 1.30 - 24.06.2016

- Page 28: changed Status of IMD Segment from M to O
- Page 32: changed Status of FTX+LIN Segment from M to O
- Page 32: deleted RFF+AAU from Guide

**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 DESADV 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+120308:1331+75'
- UNH+1+DESADV:D:96A:UN'
- BGM+351+256455811'
- DTM+137:20120308:102'
- DTM+143:201203080000:203'
- DTM+232:201203110000:203'
- MEA+AAX+AAD+KGM:120050'
- MEA+AAX+AAC+KGM:120000'
- NAD+BY+123456::91++KION GROUP AG+Abraham-Lincoln-Str+Wiesbaden++65189+DE'
- CTA+PD+116:Tony Kunde'
- CTA+DL+116'
- COM+0049 711 99 1234:TE'
- COM+0049 711 99 1235:FX'
- COM+Tony.Kunde@kiongroup.com:EM'
- NAD+SU+4711::92++Mueller GmbH+Industriestr. 12+Frankfurt++60311+DE'
- NAD+DP+1001::92++KION GROUP,WERK 2,TOR 2+Abraham-Lincoln-Str+Wiesbaden++65189+DE'
- NAD+CZ+4711::92++Mueller GmbH+Industriestr. 12+Frankfurt++60311+DE'
- NAD+CA+URBAN::92'
- TOD+6++EXW:::Frankfurt'
- TDT+12++30+31+:::Max Trans'
- EQD+ZZZ+HH-CV-123'
- CPS+1++4'
- PAC+10+++F:KLT7411:IN:TR-12:SA'
- MEA+AAI+AAD+KGM:14.800'
- MEA+AAI+AAC+KGM:13.800'
- QTY+52:220:PCE'
- LIN+10++0009812142:BP'
- PIA+5+6000300029:SA+DRW/0009812142/06/000:EC'
- IMD++11+:::1'
- QTY+12:220:PCE'
- ALI+DE++X'
- DTM+11:20120308:102'
- FTX+LIN+1++Position text 1+DE'
- RFF+ON:5500011934:10'
- DTM+137:20120308:102'
- LOC+11+H 2a, SAP-LO 1221'
- LOC+18+1221'
- UNT+38+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+120308:1331+75**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
<b>S001</b>	<b>Syntax Identifier</b>	M			
0001	Syntax identifier	M	a4	<b>M</b>	<b>UNOC</b>
0002	Syntax version number	M	n1	<b>M</b>	<b>3</b>
<b>S002</b>	<b>Interchange Sender</b>	M			
0004	Sender identification	M	an..35	<b>M</b>	<b>4711</b> = vendor number at KION system
0007	Partner identification code qualifier	M	an..4	<b>M</b>	<b>92</b> = Assigned by buyer or buyer's agent <b>ZZ</b> = Mutually defined <b>14</b> = EAN International
<b>S003</b>	<b>Interchange Recipient</b>	M			
0010	Recipient Identification	M	an..35	<b>M</b>	<b>123456</b> = KION (brand) customer no at vendor system
0007	Partner identification code qualifier	M	an..4	<b>M</b>	<b>91</b> = Assigned by vendor or vendor's agent <b>ZZ</b> = Mutually defined <b>14</b> = EAN International
<b>S004</b>	<b>Date/Time of preparation</b>	M			
0017	Date of preparation	M	n6	<b>M</b>	<b>120308</b> = YYMMDD
0019	Time of preparation	M	n4	<b>M</b>	<b>1331</b> = HHMM
0020	Interchange control reference	M	an..14	<b>M</b>	<b>75</b> = No. of interchanges to partner

Segment No.: 1

**UNH** M 1 Message Header

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

Example: **UNH+1+DESADV:D:99B: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
<b>S009</b>	<b>Message Identifier</b>	M			
0065	Message type	M	an..6	M	<b>DESADV</b>
0052	Message version number	M	an..3	M	<b>D</b>
0054	Message release number	M	an..3	M	<b>96A</b>
0051	Controlling agency	M	an..2	M	<b>UN</b>

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+351+256455811'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
<b>C002</b>	<b>Document / Message name</b>	C		<b>M</b>	
1001	Document / Message name	C	an..3	<b>M</b>	Document name code <b>351</b> = Despatch advice
<b>C106</b>	<b>Party identification details</b>	M		<b>M</b>	
1004	Document number	C	an..35	<b>M</b>	<b>256455811</b> = Despatch advice number



Segment No.: 3

**DTM** M 10 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+137:20120308:102'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
<b>C507</b>	<b>Date / Time / Period</b>	M		<b>M</b>	
2005	Date / Time / Period qualifier	M	an..3	<b>M</b>	<b>137</b> = Document / Message date
2380	Date	O	an..35	<b>M</b>	<b>20120308</b>
2379	Format qualifier	O	an..3	<b>M</b>	<b>102</b> = CCYYMMDD

Segment No.: 4

**DTM** O 10 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+143:201203080000:203**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
<b>C507</b>	<b>Date / Time / Period</b>	M		<b>M</b>	
2005	Date / Time / Period qualifier	M	an..3	<b>M</b>	<b>143</b> = Acceptance date/time of goods (Date/time on which the goods are taken over by the carrier at the place of acceptance)
2380	Date	O	an..35	<b>M</b>	<b>201203080000</b>
2379	Format qualifier	O	an..3	<b>M</b>	<b>203</b> = CCYYMMDDHHMM

Segment No.: 5

**DTM** M 10 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+232:201203080000:203'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
<b>C507</b>	<b>Date / Time / Period</b>	M		<b>M</b>	
2005	Date / Time / Period qualifier	M	an..3	<b>M</b>	<b>232</b> = Arrival date/time scheduled
2380	Date	O	an..35	<b>M</b>	<b>201203080000</b>
2379	Format qualifier	O	an..3	<b>M</b>	<b>203</b> = CCYYMMDDHHMM

Segment No.: 6

**MEA** M 5 Measurements

Description: A segment specifying physical measurements, including dimension tolerances, weights and Counts.

Example: **MEA+AAX+AAD+KGM:120050'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
6311	Measurement attribute code	O	an..3	M	<b>AAX</b> = Consignment measurement
<b>C502</b>	<b>Measurement details</b>	M		M	
6313	Measured attribute code	M	an..3	M	<b>AAD</b> = Total gross weight
<b>C174</b>	<b>Value/range</b>	O		M	
6411	Measurement unit code	M	an..3	M	<b>KGM</b> = kilogram <b>LBR</b> = pound
6314	Measurement value	O	an..35	M	<b>120050</b>

Segment No.: 7

**MEA** M 5 Measurements

Description: A segment specifying physical measurements, including dimension tolerances, weights and Counts.

Example: **MEA+AAX+AAC+KGM:120000'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
6311	Measurement attribute code	O	an..3	M	<b>AAX</b> = Consignment measurement
<b>C502</b>	<b>Measurement details</b>	M		M	
6313	Measured attribute code	M	an..3	M	<b>AAC</b> = Total net weight
<b>C174</b>	<b>Value/range</b>	O		M	
6411	Measurement unit code	M	an..3	M	<b>KGM</b> = kilogram <b>LBR</b> = pound
6314	Measurement value	O	an..35	M	<b>120000</b>

Segment No.: 8      **SG2-NAD**      (Buyer, Käufer)

**SG2**      O      10      Segment Group 2

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

**NAD**      M      1      Name and Address

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Description:      A segment identifying names and addresses of the parties, in coded or clear form, and their functions. Identification of the buyer parties is mandatory for the 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	<b>BY</b> = Buyer
<b>C082</b>	<b>Party identification details</b>	C		M	
3039	Party identification	M	an..35	M	<b>123456</b> = KION (brand) customer no at vendor system
3055	Responsible f. code	C	an..3	M	<b>91</b> = Assigned by vendor or vendor's agent <b>9</b> = EAN International <b>ZZ</b> = Mutually defined
<b>C080</b>	<b>Name and address</b>	C		M	
3036	Name	M	an..35	M	<b>Name</b>
3036_2	Name	C	an..35	O	
3036_3	Name	C	an..35	O	
3036_4	Name	C	an..35	O	
<b>C059</b>	<b>Name and address</b>	C		M	
3042	Street and/or PO Box number	M	ab..35	M	<b>Street</b>
3042_2	Street and/or PO Box number	C	an..35	O	
3164	Name of city	C	an..35	M	<b>City</b>
3229	Country sub-entity identification	C	An..9	O	
3251	Postal code	C	an..9	M	<b>Postal code</b>
3207	Country code ISO 3166-2	C	an..3	M	<b>Country code</b>

Segment No.: 9,10 **SG2-SG4-CTA** (Buyer, Käufer)

**SG2**      O      10      Segment Group 2  
**SG4**      O      10      Segment Group 4

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'**  
**CTA+DL+116'**

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

Segment No.: 11     **SG2-SG4-COM**(Buyer, Käufer)

**SG2**          10     Segment Group 2

**SG4**          10     Segment Group 4

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
<b>C076</b>	<b>Communication</b>	M		<input type="radio"/>	
3148	Communication number / address	M	an..512	<input type="radio"/>	<b>0049 711 99 1234</b> <b>0049 711 99 1235</b> <b>Tony.Kunde@kiongroup.com</b>
3155	Communication channel qualifier	M	an..3	<input type="radio"/>	<b>TE</b> = Phone <b>FX</b> = Fax <b>EM</b> = Email

Segment No.: 12    **SG2-NAD**    (Supplier, Lieferant)

**SG2**    O    10    Segment Group 2

Description: A group of segments identifying the parties with associated information to the whole Despatch Advice.

**NAD**    M    1    Name and Address

Description: A segment identifying names and addresses of the parties, in coded or clear form, and their functions. Identification of the supplier parties is mandatory for the 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	<b>M</b>	<b>SU</b> = Supplier
<b>C082</b>	<b>Party identification details</b>	C		<b>M</b>	
3039	Party identification	M	an..35	<b>M</b>	<b>4711</b> = Supplier number
3055	Responsible f. code	C	an..3	<b>M</b>	<b>92</b> = Assigned by buyer or buyer's agent
<b>C080</b>	<b>Name and adress</b>	C		<b>M</b>	
3036	Name	M	an..35	<b>M</b>	<b>Name (Mueller GmbH)</b>
3036_2	Name	C	an..35	O	
3036_3	Name	C	an..35	O	
3036_4	Name	C	an..35	O	
<b>C059</b>	<b>Name and adress</b>	C		<b>M</b>	
3042	Street and/or PO Box number	M	ab..35	<b>M</b>	<b>Street (Industriestr. 12)</b>
3042	Street and/or PO Box number	C	an..35	O	
3164	Name of city	C	an..35	<b>M</b>	<b>City (Frankfurt)</b>
3229	Country sub-entity identification	C	An..9	O	
3251	Postal code	C	an..9	<b>M</b>	<b>Postal code (60311)</b>
3207	Country code ISO 3166-2	C	an..3	<b>M</b>	<b>Country code (DE)</b>

Segment No.: 13    **SG2-NAD**    (Delivery, Warenempfänger)

**SG2**    O    10    Segment Group 2

Description:    A group of segments identifying the parties with associated information to the whole Despatch Advice.

**NAD**    M    1    Name and Address

Description:    A segment identifying names and addresses of the parties, in coded or clear form, and their functions. Identification of the consignee parties is mandatory for the 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	<b>M</b>	<b>DP</b> = Delivery party (Party to which goods should be delivered)
<b>C082</b>	<b>Party identification details</b>	C		<b>M</b>	
3039	Party identification	M	an..35	<b>M</b>	<b>1001</b> = number of customers plant
3055	Responsible f. code	C	an..3	<b>M</b>	<b>92</b> = Assigned by buyer or buyer's agent
<b>C080</b>	<b>Name and adress</b>	C		<b>M</b>	
3036	Name	M	an..35	<b>M</b>	<b>KION GROUP, WERK 2, TOR 2=</b> Name, Plant, Door
3036_2	Name	C	an..35	O	
3036_3	Name	C	an..35	O	
3036_4	Name	C	an..35	O	
<b>C059</b>	<b>Name and adress</b>	C		<b>M</b>	
3042	Street and/or PO Box number	M	ab..35	<b>M</b>	<b>Street</b>
3042	Street and/or PO Box number	C	an..35	O	
3164	Name of city	C	an..35	<b>M</b>	<b>City</b>
3229	Country sub-entity identification	C	An..9	O	
3251	Postal code	C	an..9	<b>M</b>	<b>Postal code</b>
3207	Country code ISO 3166-2	C	an..3	<b>M</b>	<b>Country code</b>



Segment No.: 14    **SG2-NAD**    (Consignor, Versender)

**SG2**    O    10    Segment Group 2

Description:    A group of segments identifying the parties with associated information to the whole Despatch Advice.

**NAD**    O    1    Name and Address

Description:    A segment identifying names and addresses of the parties, in coded or clear form, and their functions. Identification of the consignor parties is optional for the message.

Example:    **NAD+CZ+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	<b>CZ</b> = Consignor (Party which, by contract with a carrier, consigns or sends goods with the carrier)
<b>C082</b>	<b>Party identification details</b>	O		M	
3039	Party identification	M	an..35	M	<b>4711</b> = number of Consignor
3055	Responsible f. code	O	an..3	M	<b>92</b> = Assigned by buyer or buyer's agent
<b>C080</b>	<b>Name and adress</b>	O		M	
3036	Name	M	an..35	M	<b>Name (Mueller GmbH)</b>
3036_2	Name	O	an..35	O	
3036_3	Name	O	an..35	O	
3036_4	Name	O	an..35	O	
<b>C059</b>	<b>Name and adress</b>	O		M	
3042	Street and/or PO Box number	M	ab..35	M	<b>Street</b>
3042	Street and/or PO Box number	O	an..35	O	
3164	Name of city	O	an..35	M	<b>City</b>
3229	Country sub-entity identification	O	An..9	O	
3251	Postal code	O	an..9	M	<b>Postal code</b>
3207	Country code ISO 3166-2	O	an..3	M	<b>Country code</b>

Segment No.: 15    **SG2-NAD**    (Carrier, Spediteur)

**SG2**    O    10    Segment Group 2

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Description:    A group of segments identifying the parties with associated information to the whole Despatch Advice.

**NAD**    O    1    Name and Address

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Description:    A segment identifying names and addresses of the parties, in coded or clear form, and their functions. Identification of the carrier parties is optional for the message.

Example:    **NAD+CA+URBAN::92'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3035	Party qualifier	M	an..3	<b>M</b>	<b>CA</b> = Carrier
<b>C082</b>	<b>Party identification details</b>	O		<b>M</b>	
3039	Party identification	M	an..35	<b>M</b>	<b>URBAN</b> = name/number of carrier
3055	Responsible f. code	O	an..3	<b>M</b>	<b>92</b> = Assigned by buyer or buyer's agent

Segment No.: 16     **SG5-TOD**

**SG5**     O     10     Segment Group 5

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Description:     A group of segments indicating terms of delivery.

**TOD**     M     1     Terms of delivery or transport

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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	O	an..3	M	<b>6</b> = Delivery condition
4215	Transport charges method of payment, coded	O	an..3	O	
<b>C100</b>	<b>Terms of delivery or transport</b>	O		M	
4053	Terms of delivery or transport, coded	O	an..3	M	<b>EXW</b> = Ex works (INCOTERMS)
1131	Code list qualifier	O	an..3	O	
3055	Code list responsible agency, coded	O	an..3	O	
4052	Terms of delivery or transport	O	an..70	M	<b>Frankfurt</b>
4052_2	Terms of delivery or transport	O	an..70	O	

Segment No.: 17    **SG6-TDT**

**SG6**    O    10    Segment Group 6

Description:    A group of segments specifying details of the mode and means of transport and date/time of departure and destination relevant to the whole despatch advice.

**TDT**    O    1    Details of transport

Description:    A segment identifying transport details such as mode of transport, means of transport, its conveyance reference number and the identification of the means of transport.

Example:        **TDT+12++30+31+:::Max Trans'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
8051	Transport stage qualifier	M	an..3	M	<b>12</b> = at departure
<b>C220</b>	<b>Mode of transport</b>	O		O	
8067	Mode of transport, coded	O	an..3	O	<b>30</b> = Road transport <b>20</b> = Rail transport <b>40</b> = Air transport <b>10</b> = Maritime transport <b>60</b> = Multimodal transport
<b>C228</b>	<b>Transport means</b>	O		M	
8179	Type of means of transport identification	O	an..8	M	<b>11</b> = Ship <b>6</b> = Aircraft <b>31</b> = Truck <b>72</b> = Train <b>60</b> = Multimodal transport
<b>C040</b>	<b>Carrier</b>	O		O	
3128	Carrier name	O	an..35	O	<b>Max Trans</b>

Segment No.: 18     **SG8-EQD**

**SG8**     O     10     Segment Group 8

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Description:     A group of segments providing information relative to the equipment used for the transportation of goods relevant to the whole despatch advice.

**EQD**     O     1     Equipment details

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Description:     A segment identifying a unit of equipment

Example:     **EQD+TE+HH-CV-123'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
8053	Equipment qualifier	M	an..3	M	<b>TE</b> = Trailer <b>CN</b> = Container <b>PA</b> = Pallet <b>ZZZ</b> = bilateral agreement
<b>C237</b>	<b>Equipment identification</b>	O		M	
8260	Equipment identification number	O	an..17	M	<b>HH-CV-123</b>

Segment No.: 19     **SG10-CPS**

**SG10**     M     9999     Segment Group 10

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Description:     A group of segments providing details of all package levels and of the individual despatched items contained in the consignment. This segment group provides the capability to give the hierarchical packing relationships. The group defines a logical top-down order structure.

**CPS**     M     1     Consignment packing sequence

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Description:     A segment identifying the sequence in which physical packing is presented in the consignment, and optionally to identify the hierarchical relationship between packing layers.

Example:     **CPS+1++4'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
7164	Hierarchical structure level identifier	M	an..35	M	1 = sequential number
7166	Hierarchical structure parent identifier	O	an..35	O	
7075	Hierarchical structure parent identifier	O	an..3	M	1 = inner 3 = outer 4 = no hierarchy

Segment No.: 20     **SG10-SG11-PAC**

**SG11**     O     9999     Segment Group 11

Description:     A group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.

**PAC**     M     1     Package

Description:     A segment describe the number and type of packages/physical units.

Example:     **PAC+10+++F:KLT7411:IN:TR-12:SA'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
7224	Number of packages	O	n..8	M	<b>10</b>
<b>C402</b>	<b>Packaging type identification</b>	O		M	
7077	Item description type, coded	O	an..3	M	<b>F</b> = Free-form
7064	Type of packages	O	an..35	M	<b>KLT7411</b> = Buyers packaging material number
7143	Item type identification code	O	an..3	M	<b>IN</b> = Buyers item number
7064	Type of packages	O	an..35	O	<b>TR-12</b> = Suppliers packaging material number
7143	Item type identification code	O	an..3	O	<b>SA</b> = Suppliers item number

Segment No.: 21     **SG10-SG11-MEA**

**SG11**     O     9999     Segment Group 11

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Description:     A group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.

**MEA**     O     1     Measurements

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Description:     A segment describe the physical measurements, including dimension tolerances, weights and counts.

Example:     **MEA+AAI+AAD+KGM:14.800'**  
**MEA+AAI+AAC+KGM:13.800'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
6311	Measurement attribute code	O	n..8	M	<b>AAI</b> = Item Weight
<b>C502</b>	<b>Measurement details</b>	O		M	
6313	Measured attribute code	O	an..3	M	<b>AAD</b> = Unit total gross weight <b>AAC</b> = Unit total gross weight
<b>C174</b>	<b>Value / Range</b>	O		M	
6411	Measurement unit code	O	an..3	M	<b>KGM</b> = kilogram
6314	Measurement value	O	an..18	M	<b>14.800</b> = gross weight <b>13.800</b> = net weight



Segment No.: 22    **SG10-SG11-QTY**

**SG11**    O    9999    Segment Group 11

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Description:    A group of segments identifying packaging, physical dimensions, marks and numbers, quantities, date and time information, handling information and information about packing at this level.

**QTY**    M    1    Quantity

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Description:    A segment describe the pertinent quantity

Example:    **QTY+52:220:PCE'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
<b>C186</b>	<b>Quantity details</b>	O		M	
6063	Quantity type code qualifier	O	an..3	M	<b>52</b> = Quantity per pack
6060	Quantity	O	n..14	M	<b>220</b> = Quantity
6411	Measurement unit code	O	an..3	M	<b>PCE</b> = piece
6411	Measurement unit code	O	an..3	M	<b>KGM</b> = kilogram <b>MTR</b> = metre <b>KGM</b> = kilogram

Comment: Please insert the quantity, which was agreed with the customer.

Segment No.: 23     **SG15-LIN**

**SG15**     O     9999     Segment Group 15

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Description:     A group of segments providing details of the individual despatched items.

**LIN**     M     1     Line item

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Description:     A segment identifying the product being despatched.

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

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
1082	Line item number	O	n..6	M	<b>10</b> = line item number
<b>C212</b>	<b>Item number identification</b>	O		M	
7140	Item number	O	an..35	M	<b>0009812142</b>
7143	Item number type, coded	O	an..3	M	<b>BP</b> = Buyer's part number or <b>IN</b> = Buyer's item number

Segment No.: 24      **SG15-PIA**

**SG15**      O      9999      Segment Group 15

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Description:      A group of segments providing details of the individual despatched items.

**PIA**      M      10      Additional product id

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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+DRW/0009812142/06/000:EC'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
4347	Product id. function qualifier	M	an..3	M	<b>5</b> = Additional identification
<b>C212</b>	<b>Item number identification</b>	M		M	
7140	Item number	O	an..35	M	<b>6000300029</b>
7143	Item number type, coded	O	an..3	M	<b>SA</b> = Article number supplier
<b>C212</b>	<b>Item number identification</b>	M		M	
7140	Item number	O	an..35	O	<b>DRW/0009812142/06/000</b>
7143	Item number type, coded	O	an..3	O	<b>EC</b> = Engineering change level

Segment No.: 25     **SG15-IMD**

**SG15**     O     9999     Segment Group 15

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Description:     A group of segments providing details of the individual despatched items.

**IMD**     O     25     Item description

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Description:     A segment providing a description common to all line items either an industry or free format.

Example:     **IMD+F+11+:::1'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
7077	Item description type, coded	O	an..3	M	<b>F</b> = Free form
7081	Item characteristic, coded	O	an..3	M	<b>11</b> = Customs specifications
<b>C273</b>	<b>Item description</b>	O		M	
7009	Item description identification	O	an..17	O	
1131	Code list qualifier	O	an..3	O	
3055	Code list responsible agency, coded	O	an..3	O	
7008	Item description	O	an..35	M	<b>1</b> = Dutiable goods <b>Blank</b> = No dutiable goods

Segment No.: 26     **SG15-QTY**

**SG15**     O     9999     Segment Group 15

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Description:     A group of segments providing details of the individual despatched items.

**QTY**     M     10     Quantity

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Description:     A segment identifying the product quantities.

Example:     **QTY+12:300:PCE'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
<b>C186</b>	<b>Quantity details</b>	M			
6063	Quantity qualifier	M	an..3	M	<b>12</b> = Dispatch quantity
6060	Quantity	M	n..15	M	<b>300</b>
6411	Measure unit qualifier	C	an..3	M	<b>PCE</b> = piece <b>KGM</b> = kilogram <b>MTR</b> = meter

Segment No.: 27     **SG15-ALI**

**SG15**     O     9999     Segment Group 15

Description:     A group of segments providing details of the individual despatched items.

**ALI**     O     10     Additional information

Description:     A segment indicate the special conditions due to the origin, customs preference, fiscal or commercial factors are applicable.

Example:     **ALI+DE++X'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3239	Country of origin name code	O	an..3	M	<b>DE</b> = Germany
9213	Duty regime type code	O	an..3	O	
4183	Special condition code	O	an..3	O	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.: 28      **SG15-DTM**

**SG15**      O      9999      Segment Group 15

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Description:      A group of segments providing details of the individual despatched items.

**DTM**      O      5      Date/time/period

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Description:      A segment identifying date, and/or time, or period

Example:      **DTM+11:20120308:102'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
<b>C507</b>	<b>Date/Time/Period</b>	M		M	
2005	Date/time/period qualifier	M	an..3	M	<b>11</b> = Dispatch date
2380	Date/time/period	M	an..35	M	<b>20120308</b> = <b>despatch date</b>
2379	Date/time/period format qualifier	O	an..3	M	<b>102</b> = CCYYMMDD

Segment No.: 29     **SG15-FTX**

**SG15**     O     9999     Segment Group 15

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Description:     A group of segments providing details of the individual despatched items.

**FTX**     O     5     Position Text

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

Example:     **FTX+LIN+1++Position text 1+DE'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
4451	Text subject code qualifier	M	an..3	O	<b>LIN</b> = Line item information
4453	Free text function code	O	an..3	O	<b>1</b> = Text for subsequent use. The occurrence of this text does not affect message processing.
<b>C108</b>	<b>Text Literal</b>	O		M	
4440	Free text value	M	an..70	M	<b>Position text 1</b> = Free text value
3453	Language name code	O	an...3	M	<b>DE</b> or <b>EN</b>



Segment No.: 30     **SG15-SG16-RFF**

**SG15**     O     9999     Segment Group 15  
**SG16**     O     10     Segment Group 16

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'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
<b>C506</b>	Reference	M		M	
1153	Reference qualifier	M	an..3	M	<b>ON</b> = Order or Schedule number
1154	Reference number	O	an..35	M	<b>5500011934</b> = Schedule number
1156	Reference line item number	O	an..6	M	<b>10</b>

Segment No.: 31     **SG15-SG16-DTM**

**SG15**     O     9999     Segment Group 15  
**SG16**     O     10     Segment Group 16

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

**DTM**     O     1     Date/time/period

Description:     A segment identifying date, and/or time, or period

Example:     **DTM+137:20120308:102'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
<b>C507</b>	<b>Date/Time/Period</b>	M			
2005	Date/time/period qualifier	M	an..3	M	<b>137</b> = Document/message date
2380	Date/time/period	M	an..35	M	<b>20120308</b> = date of delivery note
2379	Date/time/period format qualifier	O	an..3	M	<b>102</b> = CCYYMMDD

Segment No.: 32     **SG15-SG18-LOC**

**SG15**     O     9999     Segment Group 15  
**SG18**     O     10     Segment Group 18

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

**LOC**     M     1     Reference

Description:     A segment identifying a specific location to which products will be delivered.

Example:     **LOC+11+H 2a, SAP-LO 1221'**  
**LOC+18+1221'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3227	Place/location qualifier	M	an..3	M	<b>11</b> = Place/port of discharge <b>18</b> = Warehouse
<b>C507</b>	<b>Location identification</b>	M		M	
3225	Place/location identification	O	an..3	M	<b>H 2a, SAP-LO 1221</b> = Place/port of discharge  <b>1221</b> = Warehouse

Segment No.: 33

**UNT**      M      1      Message trailer

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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+38+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	<b>38</b>
0062	Message reference number	M	an..14	M	<b>1</b>

**UNZ**      M      1      Interchange trailer

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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	<b>1</b> = number of messages in transmission
0020	Interchange control reference	M	an..14	M	<b>75</b> = number of interchanges to partner (repetition from UNB 0020)