

# EDI Guideline

Delivery forecast: Configurable materials

based on

**EDIFACT DELFOR D.96A**

Version 1.03  
24.04.2018

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## History:

Version 1.0 - 20.05.2009 (Klaus Oberle)

- Initial release

Version 1.01 - 06.07.2009 (Klaus Oberle)

- Page 3: Segment PIA: Max. occurrence reduced from '10' to '1'.
- Page 4: PIA segments in example reduced to one.
- Page 14: Segment PIA: Max. occurrence reduced from '10' to '1'.  
Second PIA segment removed from example.

Version 1.02 - 11.07.2011 (Klaus Oberle)

- Page 5: Segment UNB (S001): Syntax identifier and version changed to UNOC:3

Version 1.03 - 24.04.2018

- Convert to KION Corporate design

**Used Segments**

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	UNH	1	M	1	Message header	6
	BGM	2	M	1	Beginning of message	7
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	NAD	4	M	1	GLN, name and address	9
	SG2		M	20	Supplier	
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	UNS	6	M	1	Start of detail section	11
	SG4		C	500	Group containing items	
	NAD	7	M	1	Dummy	12
	SG8		C	9999	Items	
	LIN	8	M	1	Line item	13
	PIA	9	C	1	Additional product id	14
	IMD	10	C	10	Item description	15
	SG12		C	200	Quantity and delivery dates	
	QTY	11	M	1	Quantity	16
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	UNS	14	M	1	End of detail section	19
	UNT	15	M	1	Message trailer	20
	UNZ		M	1	Interchange trailer	21

**M = Mandatory**  
**C = Conditional**

## Example

```
UNB+UNOC:3+4399901834316+4711+090520:1527+105'  
UNH+105+DELFOR:D:96A:UN'  
BGM+241+106'  
DTM+137:20090520:102'  
NAD+BY+4399901834316::92++ Linde Material Handling GmbH+Carl-von-Linde-  
Platz+Aschaffenburg++63743+DE'  
NAD+SU+4711::92++Musterbau Mueller+Industriestr. 12+Frankfurt++60311+DE'  
UNS+D'  
NAD+XX'  
  
LIN+++5500123456:BP'  
PIA+1+TC_396_00_4480_020+Heckverkleid.m.Rüchl.H50-H80'  
IMD+F++::Heckverkleidung Zsb.'  
QTY+113:6:PCE'  
SCC+4'  
DTM+2:20090406:102'  
QTY+113:10:PCE'  
SCC+4'  
DTM+2:20090410:102'  
QTY+113:15:PCE'  
SCC+4'  
DTM+2:20090415:102'  
QTY+113:20:PCE'  
SCC+4'  
DTM+2:20090420:102'  
  
LIN+++5555555555:BP'  
PIA+1+Heizleistung_1000+Heizung 1000 Watt'  
IMD+F++::Standheizung'  
QTY+113:16:PCE'  
SCC+4'  
DTM+2:20090506:102'  
QTY+113:34:PCE'  
SCC+4'  
DTM+2:20090530:102'  
  
UNS+S'  
UNT+36+0'  
UNZ+1+105'
```

**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+4399901834316+1234567890+090227:1510+13'**

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	M	<b>UNOC</b>
0002	Syntax version number	M	n1	M	<b>3</b>
<b>S002</b>	<b>Interchange Sender</b>	M			
0004	Sender Identification	M	an..35	M	<b>4399901834316</b> = GLN No. LMH
<b>S003</b>	<b>Interchange Recipient</b>	M			
0010	Recipient Identification	M	an..35	M	<b>1234567890</b> = GLN No. Recipient (or other mutually agreed number)
<b>S004</b>	<b>Date/Time of preparation</b>	M			
0017	Date of preparation	M	n6	M	<b>090227</b> = YYMMDD
0019	Time of preparation	M	n4	M	<b>1510</b> = HHMM
0020	Interchange control reference	M	an..14	M	<b>13</b> = 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 delivery schedule message is DELFOR

Example: **UNH+13+DELFOR: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	<b>13</b> = interchange number (same as 0020)
<b>S009</b>	<b>Message Identifier</b>	M			
0065	Message type	M	an..6	M	<b>ORDERS</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 for the unique identification of the delivery schedule document, by means of its name and its number and when necessary its function.

Example: **BGM+241+13'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
<b>C002</b>	<b>Document / Message name</b>	C		M	
1001	Document / Message name, coded	C	an..3	M	<b>241</b> = Delivery Schedule
1004	Document number	C	an..35	C	<b>13</b> = interchange number (same as 0020)

Segment No.: 3

**DTM**            M        35        Date and Time

**Description:**    A segment specifying the date, and when relevant, the time/period of the beginning and ending of the validity period of the document. The DTM must be specified at least once to identify the Delivery Schedule document date. The date/time/period segment within other Segment group should be used whenever the date/time/period is logically related to another specified data item.

**Example:**        **DTM+137: 20090227:102'**

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>137</b> = Document / Message date/time
2380	Date	C	an..35	M	<b>YYYYMMDD</b>
2379	Format qualifier	C	an..3	M	<b>102</b> = YYYYMMDD



Segment No.: 4      **SG2-NAD**      (Buyer, Käufer)

**SG2**      C      20      Segment Group 2

Description: A group of segments identifying names, addresses, locations, and contacts relevant to the whole Delivery Schedule.

**NAD**      M      1      Name and Address

Description: A segment for identifying names and addresses and their functions relevant for the whole Delivery Schedule.

Example: **NAD+BY+4399901834316::9++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	<b>BY</b> = Buyer
<b>C082</b>	<b>Party identification details</b>	C		M	
3039	Party identification	M	an..35	M	<b>4399901834316</b> = GLN No. LMH
3055	Responsible f. code	C	an..3	M	<b>92</b> = Assigned by buyer
<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	C	
3036_3	Name	C	an..35	C	
3036_4	Name	C	an..35	C	
<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	C	
3164	Name of city	C	an..35	M	<b>City</b>
3229	Country sub-entity identification	C	An..9	C	
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.: 5      **SG2-NAD**      (Supplier, Lieferant)

**SG2**      C      20      Segment Group 2

Description:      A group of segments identifying names, addresses, locations, and contacts relevant to the whole Delivery Schedule.

**NAD**      M      1      Name and Address

Description:      A segment for identifying names and addresses and their functions relevant for the whole Delivery Schedule.

Example:      **NAD+SU+4711::92++Musterbau Mueller+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>SU</b> = Supplier
<b>C082</b>	<b>Party identification details</b>	C		M	
3039	Party identification	M	an..35	M	<b>4711</b> = GLN No. Supplier
3055	Responsible f. code	C	an..3	M	<b>92</b> = Assigned by buyer
<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	M	
3036_3	Name	C	an..35	C	
3036_4	Name	C	an..35	C	
<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	Street and/or PO Box number	C	an..35	C	
3164	Name of city	C	an..35	M	<b>City</b>
3229	Country sub-entity identification	C	An..9	C	
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.: 6

**UNS**      M      1      Section control

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Description:    A service segment placed at the start of the detail 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	<b>D</b> = Detail/summary section separation

Segment No.: 7      **SG4-NAD**      (Dummy)

**SG4**      C      500      Segment Group 4

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Description:      A group containing delivery details of line items.

**NAD**      M      1      Name and Address

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Description:      Dummy segment. Exists due to technical reasons.

Example:      **NAD+XX'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
3035	Party qualifier	M	an..3	M	<b>XX</b> = Dummy

Segment No.: 8      **SG4-NAD-SG8-LIN**

**SG4**      C      500      Segment Group 4

**SG8**      C      9999      Segment Group 8

Description:      A group of segments providing details of the individual line items

**LIN**      M      1      Line item

Description:      A segment identifying the details of the product.

Example:      **LIN+++5500123456:BP'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
1082	Line item number	C	n..6	C	
1229	Action request/notification, coded	C	an..3	C	
<b>C212</b>	<b>Item number identification</b>	C		M	
7140	Item number	C	an..35	M	<b>5500123456</b>
7143	Item number type, coded	C	an..3	M	<b>BP</b> = Buyers part number
1131	Code list qualifier	C	an..3	C	
3055	Code list responsible agency, coded	C	an..3	C	

Segment No.: 9      **SG4-NAD-SG8-LIN-PIA**

**SG4**      C      500      Segment Group 4  
**SG8**      C      9999      Segment Group 8  
**LIN**      M      1      Line item

**PIA**      C      1      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. KION makes use of the PIA segment to provide one additional product characteristic.

Example:      **PIA+1+TC\_396\_00\_4480\_020+Heckverkleid.m.Rückl.H50-H80'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
4347	Product id. function qualifier	M	an..3	M	1 = Additional identification
<b>C212</b>	<b>Item number identification</b>	M		M	
7140	Item number	C	an..35	C	<b>TC_396_00_4480_020</b>
7143	Item number type, coded	C	an..3	N	
1131	Code list qualifier	C	an..3	N	
3055	Code list responsible agency, coded	C	an..3	N	
<b>C212_2</b>	<b>Item number identification</b>	M		M	
7140	Item number	C	an..35	C	<b>Heckverkleid.m.Rückl.H50-H80</b>
7143	Item number type, coded	C	an..3	N	
1131	Code list qualifier	C	an..3	N	
3055	Code list responsible agency, coded	C	an..3	N	

Segment No.: 10      **SG4-NAD-SG8-LIN-PIA**

**SG4**            C        500    Segment Group 4  
**SG8**            C        9999   Segment Group 8  
**LIN**            M        1       Line item

**IMD**            C        10     Item description

Description:      A segment for describing the product or the service to be delivered.

Example:          **IMD+F++::: Heckverkleidung Zsb'**

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

Segment No.: 11      **SG4-NAD-SG8-SG12-QTY**

**SG4**      C      500      Segment Group 4  
**SG8**      C      9999      Segment Group 8  
**LIN**      M      1      Line item

**SG12**      C      200      Segment Group 25

Description: A group of segments specifying quantity related information for actual delivery, reporting or cumulative quantities and forecast quantities as required for the line item.

**QTY**      C      1      Quantity

Description: A segment to specify pertinent quantities which may be relating to schedule(s) and/or pattern established in the SCC/DTM segment, e.g. delivery quantity or a specified date.

Example:      **QTY+113:15: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>113</b> = Quantity to be delivered
6060	Quantity	M	n..15	M	<b>15</b>
6411	Measure unit qualifier	C	an..3	M	<b>PCE</b> = Piece



Segment No.: 12      **SG4-NAD-SG8-SG12-QTY-SSC**

**SG4**      C      500      Segment Group 4  
**SG8**      C      9999      Segment Group 8  
**LIN**      M      1      Line item  
**SG12**      C      200      Segment Group 25  
**QTY**      C      1      Quantity

**SSC**      C      1      Scheduling conditions

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Description:      A segment specifying the type of the schedule being given.

Example:      **SSC+4'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
4017	Level of commitment	M	an..3	M	<b>4</b> = Planning / forecast

Segment No.: 13      **SG4-NAD-SG8-SG12-QTY-DTM**

**SG4**      C      500      Segment Group 4  
**SG8**      C      9999      Segment Group 8  
**LIN**      M      1      Line item  
**SG12**      C      200      Segment Group 25  
**QTY**      C      1      Quantity

**DTM**      C      2      Date and Time

Description:      A segment indicating the date/time/period details relating to the quantity and schedule details in the QTY/SCC segments.

Example:      **DTM+2:20090410:102'**

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>2</b> = Delivery date/time requested
2380	Date	C	an..35	M	<b>20090410</b>
2379	Format qualifier	C	an..3	M	<b>102</b> = YYYYMMDD

Segment No.: 14

**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	<b>S</b> = Detail/summary section separation

Segment No.: 15

**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+36+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>36</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+105'**

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)