

EDI Guideline

Delivery forecast: Configurable materials

based on

EDIFACT DELFOR D.96A

Version 1.04
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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

Version 1.04 - 08.04.2025

- Page 6: Message type corrected.

Used Segments

					Docu on page	
	UNB			Interchange header	5	
	UNH	1	M	1	Message header	6
	BGM	2	M	1	Beginning of message	7
	DTM	3	M	1	Message date and time	8
	SG2		M	20	Buyer	
	NAD	4	M	1	GLN, name and address	9
	SG2		M	20	Supplier	
	NAD	5	M	1	GLN, name and address	10
	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
	SSC	12	M	1	Scheduling condition	17
	DTM	13	M	1	Delivery date	18
	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
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	4399901834316 = GLN No. LMH
S003	Interchange Recipient	M			
0010	Recipient Identification	M	an..35	M	1234567890 = GLN No. Recipient (or other mutually agreed number)
S004	Date/Time of preparation	M			
0017	Date of preparation	M	n6	M	090227 = YYMMDD
0019	Time of preparation	M	n4	M	1510 = HHMM
0020	Interchange control reference	M	an..14	M	13 = 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	13 = interchange number (same as 0020)
S009	Message Identifier	M			
0065	Message type	M	an..6	M	DELFOR
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 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
C002	Document / Message name	C		M	
1001	Document / Message name, coded	C	an..3	M	241 = Delivery Schedule
1004	Document number	C	an..35	C	13 = 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
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	YYYYMMDD
2379	Format qualifier	C	an..3	M	102 = 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	BY = Buyer
C082	Party identification details	C		M	
3039	Party identification	M	an..35	M	4399901834316 = GLN No. LMH
3055	Responsible f. code	C	an..3	M	92 = Assigned by buyer
C080	Name and adress	C		M	
3036	Name	M	an..35	M	Name
3036_2	Name	C	an..35	C	
3036_3	Name	C	an..35	C	
3036_4	Name	C	an..35	C	
C059	Name and adress	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	C	
3164	Name of city	C	an..35	M	City
3229	Country sub-entity identification	C	An..9	C	
3251	Postal code	C	an..9	M	Postal code
3207	Country code ISO 3166-2	C	an..3	M	Country code

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	SU = Supplier
C082	Party identification details	C		M	
3039	Party identification	M	an..35	M	4711 = GLN No. Supplier
3055	Responsible f. code	C	an..3	M	92 = Assigned by buyer
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	C	
3036_4	Name	C	an..35	C	
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	C	
3164	Name of city	C	an..35	M	City
3229	Country sub-entity identification	C	An..9	C	
3251	Postal code	C	an..9	M	Postal code
3207	Country code ISO 3166-2	C	an..3	M	Country code

Segment No.: 6

UNS M 1 Section control

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	D = Detail/summary section separation

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

SG4 C 500 Segment Group 4

Description: A group containing delivery details of line items.

NAD M 1 Name and Address

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	XX = 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	
C212	Item number identification	C		M	
7140	Item number	C	an..35	M	5500123456
7143	Item number type, coded	C	an..3	M	BP = 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.Rüchl.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
C212	Item number identification	M		M	
7140	Item number	C	an..35	C	TC_396_00_4480_020
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	
C212_2	Item number identification	M		M	
7140	Item number	C	an..35	C	Heckverkleid.m.Rüchl.H50-H80
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	F = Free form
7081	Item characteristic, coded	C	an..3	C	
C273	Item description	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	Heckverkleidung Zsb
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
C186	Quantity details	M			
6063	Quantity qualifier	M	an..3	M	113 = Quantity to be delivered
6060	Quantity	M	n..15	M	15
6411	Measure unit qualifier	C	an..3	M	PCE = 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

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	4 = 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
C507	Date / Time / Period	M		M	
2005	Date / Time / Period qualifier	M	an..3	M	2 = Delivery date/time requested
2380	Date	C	an..35	M	20090410
2379	Format qualifier	C	an..3	M	102 = 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	S = Detail/summary section separation

Segment No.: 15

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+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	36
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+105'**

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)