

EDI Guideline

Inventory report

based on

EDIFACT INVRPT D.99B

Version 1.00
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KIM/OD – Integration & EDI

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History:

Version 1.0 - December 2015

- Initial release

Used Segments

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M = Mandatory

O = Optional

O = 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 INVRPT D.99B 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+1971:92+1265:92+151223:0946+37'
UNH+2+INVRPT:D:99B:UN'
BGM+35+0000000144436645'
DTM+137:201506030845:203'
NAD+BY+1971::92++KION:STILL GmbH+Berzeliusstraße 10+Hamburg++22113+DE'
NAD+SU+1265::92++ABC Products GMBH+AM HOHEN BERG 2+MUSTERSTADT++08529+DE'
NAD+CN+1971::92++STILL GmbH+Berzeliusstraße 10+Hamburg++22113+DE'
LIN+10++0531031:BP'
IMD+F+2+:::ROHR"VERB. MITTELZY./HD-SCHLAUCH'
INV++++1'
QTY+17:0.000:PCE'
INV++++1'
QTY+153:200.000:PCE'
INV++++1'
QTY+153:400.000:PCE'
INV++++1'
QTY+48:400.000:PCE'
UNT+17+1'
UNZ+1+37'
```

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

Examples: **UNB+UNOC:3+1971:92+0000001265:92+151223:0946+37'**

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	KION (brand) plant number 1971 = Still Hamburg 1001 = LMH 1401 = LHY
0007	Partner identification code qualifier	O	an14	M	92 = Assigned by customer
S003	Interchange Recipient	M			
0010	Recipient Identification	M	an..35	M	1265 = Vendor number at KION
0007	Partner identification code qualifier	O	an14	M	92 = Assigned by KION
S004	Date/Time of preparation	M		M	
0017	Date of preparation	M	n6	M	151223 = YYMMDD
0019	Time of preparation	M	n4	M	0946 = HHMM
0020	Interchange control reference	M	an..14	M	37 = 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 Inventory report message is INVRPT

Example: **UNH+1+INVRPT: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
S009	Message Identifier	M			
0065	Message type	M	an..6	M	INVRPT
0052	Message version number	M	an..3	M	D
0054	Message release number	M	an..3	M	99B
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 inventory report document, by means of its name and its number and when necessary its function.

Example: **BGM+35+0000000144436645'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
C002	Document / Message name	O		M	
1001	Document / Message name, coded	O	an..3	M	35 = Inventory report
1004	Document number	O	an..35	M	0000000144436645 = Interchange number (same as 0020). This is the internal Idoc number from KION.

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 inventory report 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+137:201506030845:203'**

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 / Time	O	an..35	M	201506030845
2379	Format qualifier	O	an..3	M	203 = CCYYMMDDHHMM

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

SG2 O 20 Segment Group 2

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

NAD M 1 Name and Address

Description: A segment for identifying names and addresses and their functions relevant for the whole Inventory Report.

Examples: **NAD+BY+1971::92++KION:STILL GmbH+Berzeliusstraße 10+Hamburg++22113+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	O		M	
3039	Party identification	M	an..35	M	KION (brand) plant number 1971 = Still Hamburg 1001 = LMH 1401 = LHY
3055	Responsible f. code	O	an..3	M	92 = Assigned by buyer
C080	Party name	O		M	
3036	Name	M	an..35	M	Name = KION
3036_2	Name	O	an..35	M	Brand = e.g. STILL GmbH
3036_3	Name	O	an..35	O	
3036_4	Name	O	an..35	O	
C059	Street	O		O	
3042	Street and/or PO Box number	M	ab..35	O	Street
3042_2	Street and/or PO Box number	O	an..35	O	
3164	Name of city	O	an..35	O	City
3229	Country sub-entity identification	O	an..9	O	
3251	Postal code	O	an..9	O	Postal code
3207	Country code ISO 3166-2	O	an..3	O	Country code

Segment No.: 5 **SG2-NAD** (Supplier)

SG2 O 20 Segment Group 2

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

NAD M 1 Name and Address

Description: A segment for identifying names and addresses and their functions relevant for the whole Inventory Report.

Examples: **NAD+SU+0000001265::92++ ABC Products GMBH+AM HOHEN BERG
2+MUSTERSTADT++08529+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	O		M	
3039	Party identification	M	an..35	M	1265 = Vendor number at KION
3055	Responsible f. code	O	an..3	M	92 = Assigned by buyer
C080	Party name	O		O	
3036	Name	M	an..35	M	Name
3036_2	Name	O	an..35	O	
3036_3	Name	O	an..35	O	
3036_4	Name	O	an..35	O	
C059	Street	O		O	
3042	Street and/or PO Box number	M	ab..35	M	Street
3042_2	Street and/or PO Box number	O	an..35	O	
3164	Name of city	O	an..35	O	City
3229	Country sub-entity identification	O	an..9	O	
3251	Postal code	O	an..9	O	Postal code
3207	Country code ISO 3166-2	O	an..3	O	Country code

Segment No.: 6 **SG2-NAD** (Delivery party)

SG2 O 20 Segment Group 2

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

NAD M 1 Name and Address

Description: A segment for identifying names and addresses and their functions relevant for the whole Inventory Report.

Examples: **NAD+DP+1971::92++STILL GmbH+Berzeliusstraße 10+Hamburg++22113+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	O		M	
3039	Party identification	M	an..35	M	KION (brand) plant number 1971 = Still Hamburg 1001 = LMH 1401 = LHY
3055	Responsible f. code	O	an..3	M	92 = Assigned by buyer
C080	Party name	O		O	
3036	Name	M	an..35	M	Name
3036_2	Name	O	an..35	O	
3036_3	Name	O	an..35	O	
3036_4	Name	O	an..35	O	
C059	Street	O		O	
3042	Street and/or PO Box number	M	ab..35	M	Street
3042_2	Street and/or PO Box number	O	an..35	O	
3164	Name of city	O	an..35	O	City
3229	Country sub-entity identification	O	an..9	O	
3251	Postal code	O	an..9	O	Postal code
3207	Country code ISO 3166-2	O	an..3	O	Country code

Segment No.: 7 **SG9-LIN**

SG9 O 9999 Segment Group 9

Description: A group of segments providing details of the individual line items for the specified delivery point.

LIN M 1 Line item

Description: A segment identifying the details of the product.

Example: **LIN+10++0530699:BP'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
1082	Line item number	O	n..6	M	10
1229	Action request/notification, coded	O	an..3	O	
C212	Item number identification	O		M	
7140	Item number	O	an..35	M	0530699
7143	Item number type, coded	O	an..3	M	BP = Buyers part number

Segment No.: 8 **SG9-IMD**

SG9 O 9999 Segment Group 9

Description: A group of segments providing details of the individual line items for the specified delivery point.

IMD M 99 Item description

Description: A segment for describing the item.

Example: **IMD+F+2+:::ROHR"VERB. MITTELZY./HD-SCHLAUCH'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
7077	Item description type, coded	O	an..3	M	F = Free form
7081	Item characteristic, coded	O	an..3	M	2 = VMI
C273	Item description	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	ROHR"VERB. MITTELZY./HD-SCHLAUCH
7008_2	Item description	O	an..35	O	
1222	Configuration level	O	n..2	O	
7083	Configuration, coded	O	an..3	O	

Segment No.: 9,11,13 **SG11-INV**

SG11 M 9999 Segment Group 11

Description: A group of segments providing a quantity with all inventory management related information and optionally package details, line item currencies and references.

INV O 1 inventory activity report

Description: A segment to provide all the parameters required for an inventory activity report, e.g. the reason for an inventory movement, the direction of an inventory movement, etc.

Example: **INV++++1'**

EDIFACT Standard Definition				KION Usage	
Tag	Name	St	Ft	St	Description and/or Example
4501	Inventory movement direction, coded	O	an..3	O	
7491	Type of inventory affected, coded	O	an..3	O	
4499	Reason for inventory movement,coded	O	an..3	O	
4503	Inventory balance method, coded	O	an..3	M	1 = Book-keeping inventory balance

Segment No.: 12,14,16 **SG11-QTY**

SG11 M 9999 Segment Group 11

Description: A group of segments providing a quantity with all inventory management related information and optionally package details, line item currencies and references.

QTY O 1 Quantity

Description: A segment to provide a quantity information suitably qualified, for the product referred to by the LIN segment, e.g. opening balance quantity, closing balance quantity, inventory movement quantity, etc.

Example: **QTY+17:0:PCE'**
QTY+153:40:PCE'
QTY+48:400: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	17 = Own stock 48 = Received quantity 182 = Cancelled quantity (Storno) 195 = Received, not accepted, to be returned 153 = Statistical sales quantity 61 = Return quantity 250 = Inventory discrepancy
6060	Quantity	M	n..15	M	40
6411	Measure unit qualifier	O	an..3	M	PCE = Piece

Segment No.: 17

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+17+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	46
0062	Message reference number	M	an..14	M	1 = No. of message within interchange (repetition of UNH 0062)

UNZ M 1 Interchange trailer

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

Example: **UNZ+1+37'**

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	37 = number of interchanges to partner (repetition of UNB 0020)