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Grundfos EDI Team

Grundfos Group EDI Team

The present document defines the EDIFACT documentation for Grundfos suppliers – the format in which Grundfos expect to send as forecast message when exchanging EDI documents to Grundfos supplier partners.

The purpose is to enable Grundfos supplier partners to apply to the EDI standard used when exchanging documents with Grundfos.

EDI consultants implementing the technical EDI set-up at the Grundfos supplier partner.

The document takes basis in the structure of EDIFACT D96A, see figure "INVRPT structure". For each segment in the figure a table lists the sub-element code, sub-element name, EDIFACT notation and Grundfos specific description. For each segment an example is given. At the last page an example of an EDIFACT is given.

31-10-14	HISZ		

To define the characters selected for use as delimiters and indicators in the rest of the interchange

	Component data element separator	M an..1	Constant = : (colon)
	Data element separator	M an..1	Constant = + (plus sign)
	Decimal notation	M an..1	Constant = , (comma) or . (period)
	Release indicator	M an..1	Constant = ? (question mark)
	Reserved	M an..1	Blank / Space
	Segment terminator	M an..1	Constant = ' (apostrophe)

Notation in EDIFACT column:

- M= Mandatory and C= Conditional
- AN=alphanumeric and N=numeric
- X= X char and ..X=max X chars

Example:

= Field is andatory, lpha umeric and max char

Example:

To identify and specify the sender and receiver of a message.

		M	
0001	Syntax identifier	M a..4	UNOC
0002	Syntax version number	M n..1	3
		M	
0004	Sender identification	M an..35	ID's, see table below
0007	Partner identification code qualifier	C an..4	14 = EAN number
0008	Address for reverse routing	C an..14	Not used
		M	
0010	Recipient identification	M an..35	XXXXXXXXXXXXX.....
0007	Partner identification code qualifier	C an..4	XXXX
0014	Routing address	C an..14	Not used
		M	
0017	Date	M n..6	YYMMDD
0019	Time	M n..4	HHMM
		M an..14	Unique reference assigned by sender
		C	
0022	Recipient's reference / password	M an..14	Not used
0025	Recipient's reference / password qualifier	C an..2	Not used
		C an..14	INVRPT
		C a..1	Not used
		C n..1	Not used
		C an..35	Not used
		C n..1	1 = test, blank = production.

Example:

To head, identify and specify a message.

		M an..14	Sender's unique message reference. Sequence number of the message in the interchange.
		M	
0065	Message type identifier	M an..6	INVRPT = Inventory report message
0052	Message type version number	M an..3	D
0054	Message type release number	M an..3	96A
0051	Controlling agency	M an..2	UN
0057	Association assigned code	C an..6	Not used
		C an..35	Not used
		C	
0070	Sequence message transfer number	M n..2	Not used
0073	First/last sequence message transfer indication	C a1	Not used

Example:

To indicate the type and function of a message and to transmit the identifying number.

		M	
1001	Document/Message name, coded	M an..3	35 = Inventory report
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
1000	Document/Message name	C an..35	Not used
		C an..35	Inventory report number assigned by document sender.
		C an..3	Not used
		C an..3	Not used

Example:

To specify date, and/or time, or period.

		M	
2005	Date/time/period qualifier	M an..3	137 = Document date/time.
2380	Date/time/period	C an..35	Document date

3042	Street and number / p.o box	M an..35	When 3035 = GY then Street and number
3042	Street and number / p.o box	C an..35	Not used
3042	Street and number / p.o box	C an..35	Not used
		C an..35	When 3035 = GY then City name
		C an..9	When 3035 = GY then Country sub-entity
		C an..9	When 3035 = GY then Postal / Zip code
		C an..3	When 3035 = GY then Country code ISO 3166

Example:

To specify a reference.

		M	
1153 1154	Reference qualifier	M an..3	ADE = Account number

To identify a line item and configuration..

		C n..6	Application generated number of the count of order response lines
		C an..3	Not used
		C	
7140	Item number	C an..35	The number of the article being ordered. Grundfos' item number.
7143	Item number type, coded	C an..3	IN = Buyer's item number
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
		C	
5495	Sub-line indicator, coded	C an..3	Not used
1082	Line item number	C n..6	Not used
		C n..2	Not used
		C an..3	Not used

Example:

To specify a pertinent quantity..

		M	
6063	Quantity qualifier	M an..3	17 = Quantity on hand 20 = Unusable quantity 89 = Quality control held 99 = Estimated quantity 187=The quantity scheduled for delivery
6060	Quantity	M n..15	Quantity
6411	Measure unit qualifier	C an..3	Common code from UN/CEFACT Recommendation 20

Example:

Demand: The quantity which are expected to be consumed from the Grundfos stock (Told as quantity and date for each material)

Requisition: The quantity that the system has calculated must enter Grundfos, in order to meet the demands (Told as quantity and date for each material) In this calculation, values for minimum, lot size etc. agreed with the vendor is taken into consideration.

Stock: The quantity which are physical on Grundfos stock.

Stock value example: QTY+17:0.000:PCE'
LOC+18+:::Unrestricted - Consignment stock'
DTM+366:20080408:102'

See also following matrix:

	Unrestricted (QTY+17....)	Quality check (QTY+89....)	Blocked (QTY+20....)
Own stock (LOC+19....)	Goods owned by Grundfos and available	Gods owned by Grundfos and planned for production but available to promise	Goods owned by Grundfos not planned for production and not available
Consignment stock (LOC+18....)	Gods owned by supplier but available for Grundfos	Gods owned by supplier and planned for production but available to promise	Goods owned by supplier not planned for production and not available

To identify a place or location

		M an..3	18 = Warehouse 19 = Factory/plant
		C	
3225	Place location identification	C an..25	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
3224	Place location	C an..70	Location description
		C	
3223	Related place/location one identification	C an..3	Not used
1131	Code list qualifier	C an..3	Not used
3055	Code list responsible agency, coded	C an..3	Not used
3222	Related place/location one	C an..70	Not used
		C n..2	
3223	Related place/location two identification	C an..3	Not used

To specify date, and/or time, or period.

		M	
2005	Date/time/period qualifier	M an..3	76= Delivery date/time, scheduled for 366 = Inventory report date
2380	Date/time/period	C an..35	Date
2379	Date/time/period format qualifier	C an..3	102 = CCYYMMDD

Example:

To end and check completeness of a message.

		M n..6	The total number of segments in the message is detailed here.
		M an..14	The message reference numbered detailed here should equal the one specified in the UNH segment.

Example:

To separate header, detail and summery sections of a message.

		M an..6	The count of the number of messages.
		M an..14	Shall be identical to 0020 in UNB segment.

Example:

UNA:+.? '
UNB+UNOC:3+5708601000126:14+057421000:01+080411:0931+49059122++INVRPT++++1'
UNH+49059122+INVRPT:D:96A:UN'
BGM+35+49059122'
DTM+137:20080408:102'
NAD+BY+5708601000126::9'
NAD+SU++TTI Electronics Denmark ApS'
RFF+ADE:334483'
NAD+GY+BJ15++GRUNDFOS A/S:EL factory+Birkevænget 2-10+Bjerringbro++8850+DK'
LIN+10++00L60247:IN'
IMD+F++:::SMD MODST 0805 5% 100MW E2 22R'
QTY+17:0.000:PCE'
LOC+18+:::Unrestricted - Consignment stock'
DTM+366:20080408:102'
QTY+17:177410.820:PCE'
LOC+19+:::Unrestricted - Own stock'
DTM+366:20080408:102'
QTY+89:0.000:PCE'
LOC+18+:::Quality check - Consignment stock'
DTM+366:20080408:102'
QTY+89:5000.000:PCE'
LOC+19+:::Quality check - Own stock'
DTM+366:20080408:102'
QTY+20:0.000:PCE'
LOC+18+:::Blocked - Consignment stock'
DTM+366:20080408:102'
QTY+20:5000.000:PCE'
LOC+19+:::Blocked - Own stock'
DTM+366:20080408:102'
QTY+99:4623.000:PCE'
DTM+76:20080804:102'
QTY+99:2576.000:PCE'
DTM+76:20080801:102'
QTY+99:805.000:PCE'
DTM+76:20080731:102'
QTY+99:644.000:PCE'
DTM+76:20080805:102'
QTY+99:966.000:PCE'
DTM+76:20080806:102'
QTY+99:3059.000:PCE'
DTM+76:20080807:102'
QTY+187:1288.000:PCE'
DTM+76:20080730:102'
UNT+42+49059122'
UNZ+1+49059122'