



Supplier Order Message

EDIFACT D01B ORDERS

Version: 1.0

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Changelog

Version	Date	Change	Author
1.0	18.12.2023	Initial definition	SEBR

Status Codes

Code	Description
M	Mandatory D01B Field
C	Conditional D01B Field

References

<https://unece.org/trade/uncefact/introducing-unedifact>

<https://www.stylusstudio.com/edifact/D01B/ORDERS.htm>

Head Section

UNB Interchange Header					
Pos	Segment/Element	Description	Status	Example	Remarks
010	S001	SYNTAX IDENTIFIER	M		
	0001	Syntax identifier	M	+UNOC	
	0002	Syntax version number	M	:3	
020	S002	INTERCHANGE SENDER	M		
	0004	Interchange sender identification	M	+7900000000001	Sender Party GLN
	0007	Identification code qualifier	C	:14	14 = EAN International
030	S003	INTERCHANGE RECIPIENT	M		
	0010	Interchange recipient identification	M	+7900000000003	Receiver Party GLN
	0007	Identification code qualifier	C	:14	14 = EAN International
040	S004	DATE AND TIME OF PREPARATION	M		
	0017	Date	M	+230504	yyMMdd
	0019	Time	M	:1358	HHmm
050	0020	Interchange control reference	M	+1122334455	As defined
060	S005	RECIPIENT'S REFERENCE/PASSWORD DETAILS	C		Not used
070	0026	Application reference	C		Not used
080	0029	Processing priority code	C		Not used
090	0031	Acknowledgement request	C		Not used
100	0032	Interchange agreement identifier	C		Not used
110	0035	Test indicator	C	+1	1 = Test

Example:

UNA:+.? '

UNB+UNOC:3+7900000000001:14+7900000000003:14+230504:1358+1122334455+++++1'

0010 Segment UNH Message Header					
A service segment starting and uniquely identifying a message. The message type code for the Purchase order message is ORDERS.					
Pos	Segment/Element	Description	Status	Example	Remarks
010	0062	MESSAGE REFERENCE NUMBER	M	+1122334455	
020	S009	MESSAGE IDENTIFIER	M		
	0065	Message type	M	+ORDERS	
	0052	Message version number	M	:D	
	0054	Message release number	M	:01B	
	0051	Controlling agency, coded	M	:UN	

Example:

UNH+1122334455+ORDERS:D:01B:UN'

0020 Segment BGM Beginning of message					
A segment by which the sender must uniquely identify the order by means of its name and number and when necessary its function.					
Pos	Segment/Element	Description	Status	Example	Remarks
010	C002	DOCUMENT/MESSAGE NAME	C		
	1001	Document/message name, coded	C	+220	Supported codes: 220 = Order
020	1004	Document/message number	C	+1122334455	Order Id
030	1225	Message function, coded	C	+9	Supported codes: 9 = Original
040	4343	Response type, coded	C		Not used

Example:

BGM+220+1122334455+9'

0030 Segment DTM Date/time/period					
A segment specifying general dates and, when relevant, times related to the whole message.					
Pos	Segment/Element	Description	Status	Example	Remarks
010	C507	DATE/TIME/PERIOD	M		
	2005	Date/time/period qualifier	M	+137	Supported codes: 137 = Document/message date/time 2 = Delivery date/time, requested
	2380	Date/time/period	C	:20220217	
	2379	Date/time/period format qualifier	C	:102	Supported codes: 102 = CCYYMMDD

Example:

DTM+137:20220217:102 '

DTM+2:20220218:102 '

0090 | Segment Group 1 | Reference and Date

A group of segments for giving references and where necessary, their dates, relating to the whole message e.g. contract number, import/export license number, reservation number.

SG1 Segment List

Pos	Tag	Name	Usage
0100	RFF	Reference	Order Reference

0100 | Segment | RFF | Reference

A segment identifying the reference by its number and where appropriate a line number within a document..

Pos	Segment/Element	Description	Status	Example	Remarks
010	C506	REFERENCE	M		
	1153			+ABO	Supported codes: ABO = Originator's reference
	1154	Reference Identifier		:Testbestellung1	Order reference by competec
	1156	Document line identifier			
	4000	Reference Version Identifier			
	1060	Revision identifier			

Example:

RFF+ABO:Testbestellung1'

0120 | Segment Group 2 | Parties

A group of segments identifying the parties with associated information.

SG2 Segment List

Pos	Tag	Name	Usage
0130	NAD	Name and address	At least buyer NAD

0120 | Segment | NAD | Name and address

A segment identifying names and addresses of the parties and their functions relevant to the order. Identification of the supplier and buyer parties is mandatory for the order message.

Pos	Segment/Element	Description	Status	Example	Remarks
010	3035	Party qualifier	M	+BY	Supported codes: BY = Buyer SU = Supplier DP = Delivery Party IV = Invoice Party
020	C082	PARTY IDENTIFICATION DETAILS	C		
	3039	Party id. identification	M	+7900000000001	GLN
030	C058	NAME AND ADDRESS	C		
040	C080	PARTY NAME	C		
	3036	Party name	M	+BRACK.CH AG	Company
	3036	Party name	C	:Abt. S?+I	
050	C059	STREET	C		
	3042	Street and number/p.o. box	M	+Hintermättlistr. 3	Street
	3042	Street and number/p.o. box	C	:Rampe 1	
060	3164	City name	C	+Mägenwil	City
070	3229	Country sub-entity identification	C		
080	3251	Postcode identification	C	+5506	PLZ
090	3207	Country, coded	C	+CH	

Example:

NAD+BY+7900000000001++BRACK.CH AG:Abt. S?+I+Hintermättlistr. 3:Rampe 1+Mägenwil++5506+CH'

NAD+DP+7900000000002++BRACK.CH AG:Abt. Logistik+Teststrasse 17:Ramps 12+Willisau++6130+CH'

NAD+IV+7900000000001++BRACK.CH AG:Abt. S?+I+Hintermättlistr. 3:Rampe 1+Mägenwil++5506+CH'

NAD+SU+7000000000001++Kreditor 9001:EDI-Division+Teststrasse 2:Rampe 2+Aarau++5000+CH'

0160 | Segment Group 3 | References

A group of segments specifying the currencies and related dates/periods valid for the whole order.

SG3 Segment List

Pos	Tag	Name	Usage
0170	RFF	Reference	VAT number

0170 | Segment | RFF | References

A group of segments giving references only relevant to the specified party rather than the whole order.

Pos	Segment/Element	Description	Status	Example	Remarks
010	C506	REFERENCE	M		
	1153	Reference Code Qualifier	M	+VA	Supported codes: VA = Vat registration number
	1154	Reference Identifier	C	:CHE...	Vat Number or Internal customer Number
	1156	Document line identifier	C		Not used
	4000	Reference version identifier	C		Not used
	1060	Revision identifier	C		Not used

Example:

RFF+VA:CHE-000.100.001 MWST'

RFF+IT:009002'

0220 | Segment Group 5 | Contact Details

A group of segments giving contact details of the specific person or department within the party identified in the NAD segment.

SG5 Segment List

Pos	Tag	Name	Usage
0230	CTA	Contact Information	
0240	COM	Comm. contact	

0230 | Segment | CTA | Contact information

A segment to identify a person or department, and their function, to whom communications should be directed.

Pos	Segment/Element	Description	Status	Example	Remarks
010	3139	Contact function code	C	+PD	Supported codes: PD = Purchasing contact OC = Order contact SU = Supplier Contact
020	C056	DEPARTMENT OR EMPLOYEE DETAILS	C		
	3413	Department or employee name code	C	+	empty
	3412	Department or employee name	C	:BRACK.CH AG	Name

0240 | Segment | COM | Contact information

A segment to identify a communications type and number for the contact specified in the [CTA](#) segment.

Pos	Segment/Element	Description	Status	Example	Remarks
010	C076	COMMUNICATION CONTACT	M		
	3148	Communication adress identifier	M	+062 000 00 01	
	3155	Communication address code qualifier	M	:TE	Supported codes: TE = Telephone EM = Email

Example:

CTA+PD+:BRACK.CH AG'

COM+062 000 00 01:TE'

CTA+OC+:Paul Meier'

COM+paul.meier999@brack.ch:EM'

COM+?+41 62 000 00 01:TE'

0290 | Segment Group 7 | Currencies

A group of segments specifying the currencies and related dates/periods valid for the whole order.

SG7 Segment List

Pos	Tag	Name	Usage
0300	CUX	Currencies	Must be CHF

0300 | Segment | CUX | Currencies

A segment identifying the order currency.

Pos	Segment/Element	Description	Status	Example	Remarks
010	C504	CURRENCY DETAILS	C		
	6347	Currency details qualifier	M	+2	Supported codes: 2 = Reference currency
	6345	Currency, coded	C	:CHF	Supported codes: CHF
	6343	Currency qualifier	C		Not used
020	C504	CURRENCY DETAILS	C		Not used
030	5402	Rate of exchange	C		Not used
	6341	Currency market exchange, coded	C		Not used

Example:

CUX+2:CHF:9'

0330 | Segment Group 8 | Terms of Payment

A segment group specifying the terms of payment and accounting classifications applicable to the entire message.

SG8 Segment List

Pos	Tag	Name	Usage
0340	PAT	Payment terms basis	

0340 | Segment | PAT | Pament terms basis

A segment identifying the payment terms and date/time basis.

Pos	Segment/Element	Description	Status	Example	Remarks
010	4279	Payment terms type code qualifier	M	1	
020	C110	PAYMENT TERMS	C	+	Not used
	4277	Payment terms description identifier	C		Not used
	1131	Code list identification code	C		Not used
	3055	Code list responsible agency code	C		Not used
	4276	Payment terms description	C		Not used
030	C112	TERMS/TIME INFORMATION	C		
	4275	Time reference code	M	+5	Date of Invoice
	2009	Terms time relation code	C	:3	After Reference
	2151	Period type code	C	:D	Days
	2152	Period count quantity	C	:30	Number of Days

Example:

PAT+1++5:3:D:30'

0920 | Segment Group 25 | Rules, Law, Regulation

A group of segments identifying any rules, laws or regulations with which the supplier must comply to meet requirements e.g. building regulations, safety requirements, etc.

SG15 Segment List

Pos	Tag	Name	Usage
0930	RCS	Requirements and Conditions	Conditional, only if value for field 7294 is given.

0930 | Segment | RCS | Requirements and Conditions

A segment to enable industry or national requirements to be specified.

Pos	Segment/Element	Description	Status	Example	Remarks
010	7293	Sector area identification code qualifier	M	+26	Purchasing conditions
020	C550	REQUIREMENT/ CONDITION IDENTIFICATION	C		
	7295	Requirement or condition description identifier	M	+11	Separate procedure
	1131	Code list identification code	C		Not used
	3055	Code list responsible agency code	C		Not used
	7294	Requirement or condition description	C	:OPG	As defined in backend
030	1229	Action request/notification description code	C		Not used
040	2307	Country name code	C		Not used

Example:

RCS+26+11:::OPG'

Detail Section

1030 | Segment Group 28 | Lines

A group of segments providing details of the individual ordered items.

SG28 Segment List

Pos	Tag	Name	Usage
1040	LIN	Line item	EAN conditional
1050	PIA	Additional product id	
1080	QTY	Quantity	
1110	DTM	Date	Delivery requested
1320	SG32	Price details	

1040 | Segment | LIN | Line item

A segment identifying the line item by the line number and configuration level, and additionally, identifying the product or service ordered.

Pos	Segment/Element	Description	Status	Example	Remarks
010	1082	Line item number	C	+10000	
020	1229	Action request/notification, coded	C		Not used
030	C212	ITEM NUMBER IDENTIFICATION	C		
	7140	Item number	C	+7612532010634	EAN
	7143	Item number type, coded	C	:SRV	Supported codes: SRV = EAN.UCC Global Trade Item Number
040	C829	SUB-LINE INFORMATION	C		Not used
050	1222	Configuration level	C		Not used
060	7083	Configuration, coded	C		Not used

Example:

LIN+10000++7612532010634:SRV'

1050 Segment PIA Additional product id					
A segment providing additional identification to the product specified in the LIN segment.					
Pos	Segment/Element	Description	Status	Example	Remarks
010	4347	Product id. function qualifier	M	+5	Supported codes: 5 = Product identification
020	C212	ITEM NUMBER IDENTIFICATION	M		
	7140	Item number	C	+7741600	Product number
	7143	Item number type, coded	C	:SA	Supported codes: SA = Supplier's item nr BP = Buyer's item nr MF = Manufacturer's item nr SRV = EAN.UCC Global Trade Item Number
030	C212	ITEM NUMBER IDENTIFICATION	C		Not used
040	C212	ITEM NUMBER IDENTIFICATION	C		Not used
050	C212	ITEM NUMBER IDENTIFICATION	C		Not used
060	C212	ITEM NUMBER IDENTIFICATION	C		Not used

Example:

PIA+5+7741600:MF '

PIA+5+7612532010634:SRV '

PIA+5+7741553:SA '

PIA+5+400001:BP '

1080 Segment QTY Quantity					
A segment identifying the ordered quantity.					
Pos	Segment/Element	Description	Status	Example	Remarks
010	C186	QUANTITY DETAILS	M		
	6063	Quantity qualifier	M	+21	Supported codes: 21 = Ordered quantity
	6060	Quantity	M	:21	
	6411	Measure unit qualifier	C	:PCE	Supported codes: PCE = Piece

Example:

QTY+21:7:PCE '

1110 Segment DTM Date & Time					
A segment specifying date/time/period details relating to the line item only.					
Pos	Segment/Element	Description	Status	Example	Remarks
010	C507	DATE/TIME/PERIOD	M		
	2005	Date or time or period function code qualifier	M	+2	Provided code: 2 = Delivery date/time, requested
	2380	Date or time or period value	C	:20220218	Date value
	2379	Date or time or period format code	C	:102	Provided code: 102 = CCYYMMDD

Example:

DTM+2:20220218:102 '

1320 | Segment Group 32 | Price

A group of segments identifying the relevant pricing information for the goods or services ordered.

SG32 Segment List

Pos	Tag	Name	Status
1330	PRI	Price details	3 lines of PRI are provided

1330 | Segment | PRI | Price details

A segment to specify the price type and amount.

Pos	Segment/Element	Description	Status	Example	Remarks
010	C509	PRICE INFORMATION	C		
	5125	Price qualifier	M	+AAA	Supported codes: AAA = Calculation net AAB = Calculation gross
	5118	Price	C	:6.45	
	5375	Price type code	C	:PE	Provided codes: PE = Per Each AQ = As is quantity
	5387	Price specification code	C	:AAB	Provided codes: AAB = Price includes tax
020	5213	Sub-line price change, coded	C		Not used

Example:

PRI+AAA:6.45:PE '

PRI+AAB:46.28:AQ:AAB '

PRI+AAA:45.15:AQ '

Summary section

2330 Segment UNS Section control					
A service segment placed at the start of the summary section to avoid segment collision.					
Pos	Segment/Element	Description	Status	Example	Remarks
010	0081	Section identification	M	+S	Provided codes: S = Detail/summary section separation

Example:

UNS+S'

2330 Segment MOA Monetary Amount					
A segment specifying the summary amount for the allowance or charge.					
Pos	Segment/Element	Description	Status	Example	Remarks
010	C516	MONETARY AMOUNT	M		
	5025	Monetary amount type code qualifier	C	+79	Provided codes: 77 = Invoice amount (incl Vat) 79 = Total line items amount
	5004	Monetary amount	C	21115.59	
	6345	Currency identification code	C		Not in use
	6343	Currency type code qualifier	C		Not in use
	4405	Status description code	C		Not in use

Example:

MOA+77:22739.14'

MOA+79:21115.59'

2400 Segment UNT Message trailer					
A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.					
Pos	Segment/Element	Description	Status	Example	Remarks
010	0074	Number of segments in a message	M	+45	
020	0062	Message reference number	M	+1122334455 '	Order Id

Example:

UNT+45+1122334455 '

UNZ Interchange trailer					
To end and check the completeness of an interchange.					
Pos	Segment/Element	Description	Status	Example	Remarks
010	0036	Interchange control count	M	+1	
020	0020	Interchange control reference	M	+1122334455 '	

Example:

UNZ+1+1122334455 '

Structure overview

	UNA:+.?'	
	UNB+UNOC:3+7900000000001:14+7900000000003:14+230504:1358+1122334455+++++1'	
HEAD	UNH+1122334455+ORDERS:D:01B:UN'	
	BGM+220+1122334455+9'	
	DTM+137:20220217:102' DTM+2:20220218:102' IMD+++:::de'	
	RFF+ABO:Testbestellung1'	SG1
	NAD+BY+7900000000001++BRACK.CH AG+Hintermättlistr. 3+Mägenwil++5506+CH'	SG2
	RFF+VA:CHE-000.100.001 MWST' RFF+IT:009002'	SG3
	CTA+PD+:BRACK.CH AG' COM+062 000 00 01:TE' CTA+OC+:Paul Meier' COM+paul.meier999@brack.ch:EM' COM+?+41 62 000 00 01:TE'	SG5
	NAD+DP+7900000000002++BRACK.CH AG+Teststrasse 17:Ramps 12+Willisau++6130+CH' NAD+IV+7900000000001++BRACK.CH AG:Abt.xy+Hintermättlistr. 3+Mägenwil++5506+CH' NAD+SU+7000000000001++Kreditor 9001:EDI-Division+Teststrasse 2+Aarau++5000+CH'	
	CUX+2:CHF'	SG7
	PAT+1++5:3:D:30'	SG8
	RCS+26+11:::OPG'	SG25
DETAIL	LIN+10000++7612532010634:SRV' PIA+5+7741600:MF' PIA+5+7612532010634:SRV' PIA+5+7741553:SA' PIA+5+400001:BP' QTY+21:7:PCE' DTM+2:20220218:102'	SG28
	PRI+AAA:6.45:PE' PRI+AAB:46.28:AQ:AAB' PRI+AAA:45.15:AQ'	SG32
	UNS+S'	
	MOA+77:22739.14' MOA+79:21115.59'	
SUMMARY	UNT+44+1'	
	UNZ+1+123456'	