

EDIFACT D01B ORDERS

Competec Service AG

Version 1.0, 27-09-2024

Preface

This document describes the implementation of Edifact D01B for supplier orders.

Changelog

Table 1. Changelog

Version	Date	Change	Author
1.0	18.12.2023	Initial definition	SEBR

Supplier Order Message

Status Codes

Code	Description
M	Mandatory D01B Field
C	Conditional D01B Field
M	Mandatory by Competec

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	Supported codes: 3, 4
020	S002	INTERCHANGE SENDER	M		
	0004	Interchange sender identification	M	+7600000...	Sender Party GLN
	0007	Identification code qualifier	C	:14	14 = EAN International
030	S003	INTERCHANGE RECIPIENT	M		
	0010	Interchange recipient identification	M	+7600000...	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	+12345'	
060	S005	RECIPIENT'S REFERENCE/PASSWORD DETAILS	C		Not in use
070	0026	Application reference	C		Not in use
080	0029	Processing priority code	C		Not in use
090	0031	Acknowledgement request	C		Not in use
100	0032	Interchange agreement identifier	C		Not in use
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 Despatch advice message is DESADV.

Pos	Segment/ Element	Description	Status	Example	Remarks
010	0062	MESSAGE REFERENCE NUMBER	M	+12345	
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	
	0057	Association assigned code	C		optional
	...		C		Not in use

Example

```
UNH+12345+ORDERS:D:01B:UN'
```

0020 | Segment | BGM | Beginning of message

A segment for unique identification of the Despatch Advice document, by means of its name and its number.

Pos	Segment/ Element	Description	Status	Example	Remarks
010	C002	DOCUMENT/MESSAGE NAME	C	BGM	
	1001	Document name code	C	+220	
		Supported: 220 = Order			
	...		C		Not in use
020	1004	Document identifier	C	+123456	Order id
030	1225	Message function, coded	C	+9	
		Supported: 9 = Original			
040	4343	Response type, coded	C		Not in use

Example

```
BGM+220+123456+9'
```

0030 | 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	DTM	
	2005	Date/time/period qualifier	M	+137	
		Supported: 137 = Document date 2 = Delivery Date requested			
	2380	Date/time/period	C	:20220217	
	2379	Date/time/period format qualifier	C	:102	
		Supported: 102 = CCYYMMDD			

Example:

DTM+137:20220217:102'
DTM+2:20220218:102'

Segment Group 1

0090 | Segment Group 1 | References and Dates

A group of segments for giving references and where necessary, their dates, relating to the whole message.

SG1 Used Segment List

Pos	Tag	Name
0100	RFF	Reference

0090 | Segment | RFF | Reference

A segment to specify a reference by its number.

Pos	Segment/ Element	Description	Status	Example	Remarks
010	C506	REFERENCE	M	RFF	
	1153	Reference qualifier	M	+ABO	
		Supported codes: ABO = = Originator's reference			
	1154	Reference number	C	:Testbestellun g1'	Order reference by competec
	...				Not in use

Example:

RFF+ABO:Testbestellung1'

Segment Group 2

0120 | Segment Group 2 | Parties

A group of segments identifying the parties with associated information.

SG2 Used Segment List

Pos	Tag	Name
0130	NAD	Name (& Address)

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 M 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+7000000000003++Kreditor 9001:EDI-Division+Teststrasse 2:Rampe 2+Aarau++5000+CH'

Segment Group 3

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
0170	RFF	Reference

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'
```

Segment Group 5

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
0230	CTA	Contact Information
0240	COM	Communication 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 | Communication 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'
```

Segment Group 7

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
0300	CUX	Currencies

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: 2 = Reference currency				
	6345	Currency, coded	C	:CHF	
	Supported: 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'

Segment Group 8

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
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'

Segment Group 25

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
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	:0PG	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:::0PG'

Detail Section

Segment Group 28

1030 | Segment Group 28 | Lines

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

SG28 Segment List

Pos	Tag	Name
1040	LIN	Line item
1050	PIA	Additional product id
1080	QTY	Quantity
1110	DTM	Date
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	M	+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	
	Provided: 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: 5 = Product identification			
020	C212	ITEM NUMBER IDENTIFICATION	M		
	7140	Item number	C	+7741600	Product number
	7143	Item number type, coded	C	:SA	
		Provided 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	
	Provided: 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: 102 = CCYYMMDD				

Example:

DTM+2:20220218:102 '

Segment Group 32

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
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	
		Provided: AAA = Calculation net AAB = Calculation gross			
	5118	Price	C	:6.45	
	5375	Price type code	C	:PE	
		Provided: PE = Per Each AQ = As is quantity			
	5387	Price specification code	C	:AAB	
		Provided: 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: 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

H E A D E R	UNA:+.? ' UNB+UNOC:3+7900000000001:14+7900000000003:14+230504:1358+1122334455+++ +++1' UNH+1122334455+ORDERS:D:01B:UN' BGM+220+1122334455+9' DTM+137:20220217:102' DTM+2:20220218:102' IMD+++:::de'		
	RFF+ABO:Testbestellung1'		SG 1
	NAD+BY+7900000000001++BRACK.CH AG+Hintermättlistr. 3+Mägenwil++5506+CH'		SG 2
		RFF+VA:CHE-000.100.001 MWST' RFF+IT:009002'	SG 3
		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'	SG 5
	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'		SG 2
	CUX+2:CHF'		SG 7
	PAT+1++5:3:D:30'		SG 8
	RCS+26+11:::OPG'		SG 25

D E A T A I L	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'		SG 28	
		PRI+AAA:6.45:PE' PRI+AAB:46.28:AQ:AAB' PRI+AAA:45.15:AQ'	SG 32	
S U M M A R Y	UNS+S' MOA+77:22739.14' MOA+79:21115.59' UNT+44+1' UNZ+1+123456'			