

EDIFACT D01B DESADV

Competec Service AG

Version 1.1, 25-09-2024

Preface

This document describes the implementation of Opentrans V2.1 for supplier delivery notes / dispatch notification.

Changelog

Table 1. changelog

Version	Date	Change	Author
1.0	11.07.2024	Initial definition	SEBR
1.1	24.07.2024	Corrections	DAO

Supplier Despatch Advice Message

Status Codes

Table 2. status codes

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

References

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

<https://www.stylusstudio.com/edifact/D01B/DESADV.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, B	+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	+240313	yyMMdd
	0019	Time	M	:2214	HHmm
050	0020	Interchange control reference	M	+123'	
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

UNB+UNOC:3+7630000000000:14+7630000000001:14+240313:2214+123++DESADV+++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	+1	
020	S009	MESSAGE IDENTIFIER	M		
	0065	Message type	M	+DESADV	
	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+1+ORDRSP: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	+351	Supported: 351 = Despatch advice
	...		C		Not in use
020	1004	Document identifier	C	+DN123456	Despatch advice nbr.
030	1225	Message function, coded	C	+9	Supported: 9 = Original
040	4343	Response type, coded	C		Not in use

Example

```
BGM+231+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	+17	
		Supported codes: 137 = Document date 17 = Delivery Date estimated			
	2380	Date/time/period	C	:20240229	
	2379	Date/time/period format qualifier	C	:102	Supported: 102 = CCYYMMDD

Example:

```
DTM+137:20240313:102
DTM+17:20240229:102
```

0040 | ALI | Additional information

A segment indicating that the message is subject to special conditions due to origin, customs preference or commercial factors.

Pos	Segment/ Element	Description	Status	Example	Remarks
010	3239	Country of origin name code	C	ALI	
	9213	Duty regime type code	C		
	4183	Special condition code	C	+148	
		Supported code: 148 = Supply direct delivery (marks direct deliveries, not required for warehouse deliveries)			

Example:

```
ALI+++148'
```

Segment Group 1

0080 | 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
0090	RFF	Reference
0100	DTM	Date/time/period

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	+ON	
		Supported codes: ON = Order number CN = Carrier's reference number (dropshipment)			
	1154	Reference number	C	:1990845089'	
		Competec Order number (ON), Consignment/package number for tracking purposes (CN)			
	...				Not in use

Example:

```
RFF+ON:1990845089'  
RFF+CN:99.9999.9999.99'
```

0100 | Segment | DTM | Date/time/period

A segment specifying the date/time related to the reference.

Pos	Segment/ Element	Description	Status	Example	Remarks
010	C507	DATE/TIME/PERIOD	M	DTM	
	2005	Date/time/period qualifier	M	+171	Supported: 171 = Reference date/time
	2380	Date/time/period	C	:20240228	
	2379	Date/time/period format qualifier	C	:102	Supported: 102 = CCYYMMDD

Example:

DTM+171:20240228:102'

Segment Group 2

0110 | Segment Group 2 | Parties

A group of segments identifying the parties with associated information.

SG2 Used Segment List

Pos	Tag	Name
0120	NAD	Name (& Address)

0120 | Segment | NAD | Name and address

A segment identifying names and addresses of the parties and their functions relevant to the despatch advice.

Pos	Segment/ Element	Description	Status	Example	Remarks
010	3035	Party qualifier	M, B	+UC	
		Supported codes: BY = Buyer (mandatory)+ SU = Supplier (mandatory) DP = Delivery party (warehouse deliveries) UC = Ultimate consignee (dropshipment deliveries)			
020	C082	PARTY IDENTIFICATION DETAILS	C		
	3039	Party identification	M	+760999...	Not required for UC party
030	C058	NAME AND ADDRESS	C		Not in use
040	C080	PARTY NAME	C		
	3036	Party name	M	+Frau	Address name 1
	3036	Party name	C	:Cornelia Muster	Address name 2
050	C059	STREET	C		
	3042	Street and number/p.o. box	M	+Streetname 1	Street name 1
	3042	Street and number/p.o. box	C	:Building 10b	Street name 2
060	3164	City name	C	+Zürich	
070	3229	Country sub-entity identification	C		Not in use
080	3251	Postcode identification	C	+8005	PLZ
090	3207	Country, coded	C	+CH	

Example (dropshipment):

```
NAD+BY+7630000000001::9'  
NAD+SU+7630000000000::9'  
NAD+UC+++Cornelia Muster+ Streetname 1:Building 10b+Zürich++8005+CH'
```

Example (warehouse):

```
NAD+BY+7630000000001::9'  
NAD+SU+7630000000000::9'  
NAD+DP+7609999129308::9++Alltron AG+Street 10+Willisau Competec++6131+CH'
```

Segment Group 6

0240 | Segment Group 6 | Details of transport

A group of segments specifying details of the mode, means and method of transport and date/time of departure and destination relevant to the whole despatch advice.

SG6 Used Segment List

Pos	Tag	Name
0250	TDT	Details of transport

0250 | Segment | TDT | Details of transport

A segment specifying the carriage, and the mode and means of transport of the goods being despatched.

Pos	Segment/ Element	Description	Status	Example	Remarks
010	8051	Transport stage code qualifier	M	+20	
		Supported: 20 = Main-carriage transport			
020	8028	Means of transport journey identifier	C		Not in use
030	C220	MODE OF TRANSPORT	C		
	8067	Transport mode name code	C	+50	
		Supported: 30 = Road transport 50 = Mail 100 = Courier service			
040	C228	TRANSPORT MEANS	C		Not in use
050	C040	CARRIER	C		
	3127	Carrier identifier	M	+7611550000001	GLN
	1131	Identification code	C	:14	
	3055	Responsible agency code	C	:9	
		Supported: 9 = EAN (International Article Numbering association)			
	3128	Carrier name	C	:Post CH AG	
	...				
080	C222	TRANSPORT IDENTIFICATION	C		
	...				
	8212	Transport means identification name	C	:BL 123456	Vehicle licence plate

Example (dropshipment):

TDT+20++50++7611550000001::9:Post CH AG'

Example (warehouse):

TDT+20++30++7611550000002::9:Müller Transport+++::BL 123456'

Detail Section

0390 | Segment Group 10 | Consignment packing sequence

A group of segments providing details of all package levels and of the individual despatched items contained in the consignment.

SG10 Used Segment List

Pos	Tag	Name
0400	CPS	Consignment packing sequence

0400 | Segment | CPS | Consignment packing sequence

A segment identifying the sequence in which packing of the consignment occurs, e.g. boxes loaded onto a pallet.

Pos	Segment/ Element	Description	Status	Example	Remarks
010	7164	Hierarchical Structure level ident.	M	1	
020	7166	Hierarchical Structure parent ident.	C		
030	7075	Packaging level code	C		

Example:

CPS+1'

Segment Group 17

0650 | Segment Group 17 | Lines

A segment identifying the product being despatched.

SG17 Used Segment List

Pos	Tag	Name
0660	LIN	Line item
0670	PIA	Additional product id
0680	IMD	Item description
0700	QTY	Quantity
SG18	RFF	Reference

0660 | Segment | LIN | Line item

A segment identifying the product being despatched

Pos	Segment/ Element	Description	Status	Example	Remarks
010	1082	Line item number	C	+1	
020	1229	Action request/notification, coded	C		Not used
030	C212	ITEM NUMBER IDENTIFICATION	C		
	7140	Item number	C	+9120072855368	EAN
	7143	Item number type, coded	C	:EN	
		Supported: EN = International Article Numbering Association (EAN) 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+1++0197497400854:SRV'

0670 | Segment | PIA | Additional product id

A segment providing either additional identification to the product specified in the LIN segment.

Pos	Segment/ Element	Description	Status	Example	Remarks
010	4347	Product id. function qualifier	M	+1	
		Supported: 1 = Additional identification 5 = Product identification			
020	C212	ITEM NUMBER IDENTIFICATION	M		
	7140	Item number	B, C	+1567285	Competec item number
	7143	Item number type, coded	C	:IN	Supported: IN = Buyer's 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+1567285:IN'

0680 Segment IMD Item description					
A segment for describing the product or service being ordered.					
Pos	Segment/ Element	Description	Status	Example	Remarks
010	7077	Item description type, coded	C	+F	
		Supported: A = Free-form long description F = Free form			
020	7081	Item characteristic, coded	C		Not in use
030	C273	ITEM DESCRIPTION	C		
	...				Not in use
	7008	Item description	C	:Buttergipfel	First 35 description chars
	7008	Item description	C	:ExtraKnusprig	Second 35 description chars
		Descriptions longer than 70 chars will be trimmed			
040	7383	Surface/layer indicator, coded	C		Not in use

Example:

```
IMD+F++:::ELITEBOOK 845 G10 R5-7540U'
IMD+F++:::PRO X360 435 G10 R3-7330U:Second Line Text'
```


700 | Segment | QTY | Quantity

A segment identifying the despatched quantity.

Pos	Segment/ Element	Description	Status	Example	Remarks
010	C186	QUANTITY DETAILS	M		
	6063	Quantity qualifier	M	+12	Supported: 12 = despatched quantity
	6060	Quantity	M, B	:2	Only integer values supported
	6411	Measure unit qualifier	C	:PCE	Supported: PCE = Piece

Example:

QTY+12:2:PCE '

Segment Group 18

0820 | Segment Group 18 | Line 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
0830	RFF	Reference

0830 | Segment | RFF | Reference

A segment identifying documents related to the line item.

Pos	Segment/ Element	Description	Status	Example	Remarks
010	C506	REFERENCE	M		
	1153	Reference qualifier	M, B	+LI	Supported codes: LI = Line item reference number
	1154	Reference number	B, C	:1000	Competec order line number
	...				Not in use

Example:

RFF+LI:1000'

Summary Section

1150 | 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	+21	
020	0062	Message reference number	M	+1	Message reference number from UNH segment

Example:

UNT+21+1

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	+123	Interchange control reference from UNB segment

Example:

UNZ+1+10

Example DESADV Message (warehouse delivery)

H E A D E R	UNA:+.? ' UNB+UNOC:3+7630000000000:14+7630000000001:14+240313:2214+123++DESADV++++1' UNH+1+DESADV:D:01B:UN' BGM+351+DN123456+9' DTM+137:20240313:102' DTM+17:20240229:102'	
	RFF+ON:1990845089' DTM+171:20240228:102'	SG1
	NAD+BY+7630000000001::9' NAD+SU+7630000000000::9' NAD+DP+7609999129308::9++Alltron AG+Street 10+Willisau Competec++6131+CH'	SG2
	TDT+20++30++7611550000002::9:Müller Transport+++::BL 123456'	SG6
D E A T A I L	CPS+1'	SG10
	LIN+1++0197497400854:SRV' PIA+5+1567285:IN' IMD+A++:::PRO X360 435 G10 R3-7330U:Second Line Text' QTY+12:2:PCE' RFF+LI:1000'	SG17
	LIN+2++0197497651164:SRV' PIA+5+1567326:IN' IMD+A++:::ELITEBOOK 845 G10 R5-7540U' QTY+12:2:PCE' RFF+LI:2000'	SG17
S U M M A R Y	UNT+24+1' UNZ+1+123	

Example DESADV Message (dropshipment delivery)

H E A D E R	UNA:+.? ' UNB+UNOC:3+7630000000000:14+7630000000001:14+240313:2214+123++DESADV++++1' UNH+1+DESADV:D:01B:UN' BGM+351+DN123456+9' DTM+137:20240313:102' DTM+17:20240229:102' ALI+++148'	
	RFF+CN:99.9999.9999.99' RFF+ON:1990845089' DTM+171:20240228:102'	SG1
	NAD+BY+7630000000001::9' NAD+SU+7630000000000::9' NAD+UC+++Frau:Cornelia Muster+ Streetname 1:Building 10b+Zürich++8005+CH'	SG2
	TDT+20++50++7611550000001::9:Post CH AG'	SG6
D E A T A I L	CPS+1'	SG10
	LIN+1++0197497400854:SRV' PIA+5+1567285:IN' IMD+A++:::PRO X360 435 G10 R3-7330U:Second Line Text' QTY+12:2:PCE' RFF+LI:1000'	SG17
	LIN+2++0197497651164:SRV' PIA+5+1567326:IN' IMD+A++:::ELITEBOOK 845 G10 R5-7540U' QTY+12:2:PCE' RFF+LI:2000'	SG17
S U M M A R Y	UNT+24+1' UNZ+1+123	