# 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 |

# Status Codes

*Table 2. status codes*

| Code | Description |
|------|-------------|
| M | Mandatory D01B Field |
| C | Conditional D01B Field |

# Colors Codes

*Table 3. color codes*

| Color | Description |
|-------|-------------|
| orange | Mandatory Competec Field |
| white | Conditional Competec Field |
| grey | Field not used by Competec |

# References

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

https://www.stylusstudio.com/edifact/D01B/DESADV.htm

# Supplier Despatch Advice Message

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 | +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 |

| UNB \| Interchange Header | | | | | |
|---|---|---|---|---|---|
| 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+123DESADV++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 | |

| 0010 \| Segment \| UNH \| Message Header | | | | | |
|---|---|---|---|---|---|
| 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+DESADV: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 | | |
| | 1001 | Document name code | C | +351 | *Supported codes:* <br><br> 351 = Despatch advice |
| | ... | | C | | Not in use |
| 020 | 1004 | Document identifier | C | +DN123456 | Despatch advice nbr. |
| 030 | 1225 | Message function, coded | C | +9 | *Supported codes:* <br><br> 9 = Original |
| 040 | 4343 | Response type, coded | C | | Not in use |

**Example:**

BGM+351+DN123456+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 | | |
| | 2005 | Date/time/period qualifier | M | +17 | *Supported codes:* <br><br> 137 = Document date <br><br> 17 = Delivery Date estimated |
| | 2380 | Date/time/period | C | :20240229 | |
| | 2379 | Date/time/period format qualifier | C | :102 | *Supported codes:* <br><br> 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 | | |
| | 9213 | Duty regime type code | C | | |
| | 4183 | Special condition code | C | +148 | **Supported codes:**<br><br>148 = Supply direct delivery (marks diect deliveries, not required for warehouse deliveries) |

**Example**:

ALI+++148'

| 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 | | |
| | 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 | | |
| | 2005 | Date/time/period qualifier | M | +171 | *Supported codes:*<br><br>171 = Reference date/time |
| | 2380 | Date/time/period | C | :20240228 | |
| | 2379 | Date/time/period format qualifier | C | :102 | *Supported codes:*<br><br>102 = CCYYMMDD |

**Example:**

DTM+171:20240228:102'*
*

| 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 | +UC | *Supported codes:* <br><br> BY = Buyer <br><br> SU = Supplier <br><br> DP = Delivery party (warehouse deliveries) <br><br> UC = Ultimate consignee (dropshipment deliveries) |
| 020 | C082 | PARTY IDENTIFICATION DETAILS | C | | |
| | 3039 | Party identification | M | +760999... | Not required for UC party |

| 0120 \| Segment \| NAD \| Name and address | | | | | |
|---|---|---|---|---|---|
| 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+Zürich8005+CH'

**Example (warehouse):**

NAD+BY+7630000000001::9'

NAD+SU+7630000000000::9'

NAD+DP+7609999129308::9Alltron AG+Street 10+Willisau Competec6131+CH'

| 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 | 20 = Main-carriage transport |
| 020 | 8028 | Means of transport journey identifier | C | | Not in use |

| 0250 \| Segment \| TDT \| Details of transport | | | | | |
|---|---|---|---|---|---|
| 030 | C220 | MODE OF TRANSPORT | C | | |
| | 8067 | Transport mode name code | C | +50 | 30 = Road transport<br><br>50 = Mail<br><br>100 = Courier service |
| 040 | C228 | TRANSPORT MEANS | C | | Not in use |
| 050 | C040 | CARRIER | C | | |
| | 3127 | Carrier identifier | M | +7611550000001 | GLN of Carrier/Forwarding Agent |
| | 1131 | Code list identification code | C | : | Street name 2 |
| | 3055 | Code list responsible agency code | C | :9 | 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+20507611550000001::9:Post CH AG'

**Example (warehouse):**

TDT+20307611550000002::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 | Hirarchical Structure level ident. | M | 1 | |
| 020 | 7166 | Hirarchical Structure parent ident. | C | | |
| 030 | 7075 | Packaging level code | C | | |

**Example**:

CPS+1'

| 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 |

| 0660 \| Segment \| LIN \| Line item | | | | | |
|---|---|---|---|---|---|
| | 7143 | Item number type, coded | C | :EN | *Supported codes:* <br><br> EN = International Article Numbering Association (EAN) <br><br> 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** |

| 0670 \| Segment \| PIA \| Additional product id | | | | | |
|---|---|---|---|---|---|
| 010 | 4347 | Product id. function qualifier | M | +1 | ***Supported codes:***<br><br>1 = Additional identification<br><br>5 = Product identification |
| 020 | C212 | ITEM NUMBER IDENTIFICATION | M | | |
| | 7140 | Item number | C | +1567285 | Competec item number |
| | 7143 | Item number type, coded | C | :IN | ***Supported codes:***<br><br>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 codes:*** <br><br> A = Free-form long description <br><br> 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 codes:*** 12 = dispatched quantity |
| | 6060 | Quantity | M | :2 | Only integer values supported |
| | 6411 | Measure unit qualifier | C | :PCE | ***Supported codes:*** PCE = Piece |

**Example**:

QTY+12:2:PCE'

| 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 | +LI | ***Supported codes:***<br><br>LI = Line item reference number |
| | 1154 | Reference number | 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)

Example DESADV Message (dropshipment delivery)