

## T.5 USING THE PURCHASE ORDER CHANGE FOR ORDER CANCELLATIONS

### T.5.1 PRINCIPLES

In book trade distribution, the only use of the EANCOM purchase order change message is to enable a buyer to request the cancellation of an outstanding order: see section T.1.4.

One purchase order change message may be used to request cancellation of outstanding items from one or more original orders. Each cancellation line item must therefore be fully identified by references given at line level.

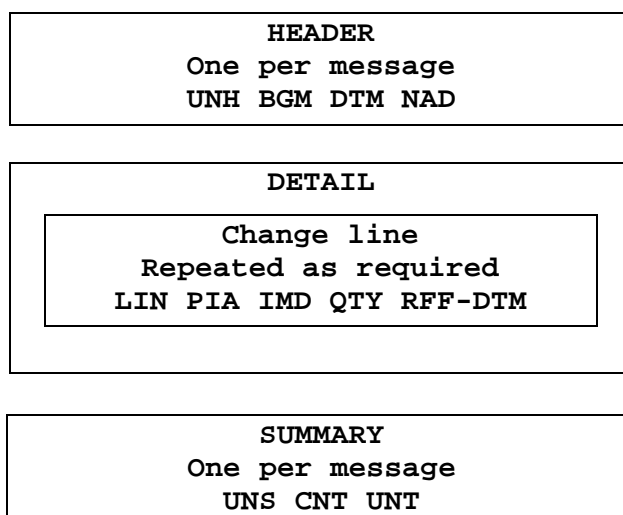
The supplier is expected to respond to a cancellation by sending an order response message accepting the cancellation or indicating why it cannot be accepted (because the item has already been despatched, or because the order itself cannot be traced).

### T.5.2 EDIFACT DIRECTORY

The version of the purchase order change message adopted by EDItEUR is EANCOM ORDCHG Version 005, taken from the 1997 release of the EANCOM message set, based on EDIFACT Directory D.96A.

### T.5.3 MESSAGE STRUCTURE

The structure of the purchase order change message as used for this application is depicted below:



The **header** section specifies the message type, gives the message a unique identification and date, and names the sender and addressee.

The **detail** section consists of a group of six segments which together constitute a single cancellation line. The LIN segment carries the line sequence number, and may carry an EAN-13 article number identifying the product which is being cancelled. If, as is more usual, the product is identified by an

ISBN, the PIA segment is used to carry the number. The IMD segment may optionally be used to carry product description in plain text, though this is unnecessary if the cancelled item is unambiguously identified by product code and order references. Similarly, the QTY segment may be used to give the quantity ordered (and now cancelled), but this is normally unnecessary. The segment pair RFF-DTM gives references to the cancelled order line and its date.

The **summary** section carries control totals and repeats the unique identification of the message for purposes of integrity checking.

#### T.5.4 EXAMPLE OF A BOOK ORDER CANCELLATION MESSAGE

The example below shows a message carrying one cancellation line. To make it easier to 'read', each segment has been placed on a separate line, and blank lines have been left between the sections identified in the block diagram on the last page. In practice, an EDIFACT message is sent as a continuous data string, without carriage returns between segments.

In this example the line item is identified by a buyer's unique order line reference LI and the date of order, and the ISBN and quantity are both given.

|                                     |                                |
|-------------------------------------|--------------------------------|
| UNH+OC00579+ORDCHG:D:96A:UN:EAN005' | Header                         |
| BGM+230+C966004+1'                  | Order cancellation no C966004  |
| DTM+137:19961002:102'               | Message date 2 October 1996    |
| NAD+BY+5412345000176::9'            | Buyer's EAN code               |
| NAD+SU+4012345000094::9'            | Supplier's EAN code            |
| LIN+1+2'                            | Line 1: cancellation           |
| PIA+5+1565921550:IB'                | ISBN as product identification |
| QTY+21:2'                           | Two copies ordered             |
| RFF+LI:0528837'                     | Order line reference 0528837   |
| DTM+171:19960714:102'               | Order date 14 July 1996        |
| UNS+S'                              | Trailer                        |
| CNT+2:1'                            | No of line items = 1           |
| UNT+13+OC00579'                     | No of segments = 13            |

### T.5.5 PURCHASE ORDER CHANGE SUBSET FOR BOOK ORDER CANCELLATIONS

|          |                                |   |        |   |
|----------|--------------------------------|---|--------|---|
| <b>1</b> | <b>UNH MESSAGE HEADER</b>      |   |        | <b>One mandatory occurrence per message</b>   |
| + 0062   | Message reference no           | M | an..14 | Sender's unique message reference. By convention, incorporates a sequence number of the message within the interchange. |
|          | <b>S009 MESSAGE IDENTIFIER</b> | M |        |   |
| + 0065   | Message type identifier        | M | an..6  | ORDCHG = purchase order change  |
| : 0052   | Message type version no        | M | an..3  | D   |
| : 0054   | Message type release no        | M | an..3  | 96A = EDIFACT Directory D.96A   |
| : 0051   | Controlling agency             | M | an..2  | UN = agency responsible   |
| : 0057   | Association assigned code      | M | an..6  | EAN005 = EAN version number   |
| + 0068   | Common access reference        | N |        | Not used in EANCOM  |
| + S010   | Status of the transfer         | N |        | Not used in EANCOM  |

**Example:**

UNH+ME001234+ORDCHG:D:96A:UN:EAN005'

|          |                                   |   |        |   |
|----------|-----------------------------------|---|--------|---|
| <b>2</b> | <b>BGM BEGINNING OF MESSAGE</b>   |   |        | <b>One mandatory occurrence per message</b>                                 |
|          | <b>C002 DOCUMENT/MESSAGE NAME</b> | M |        |   |
| + 1001   | Document/message code             | M | an..3  | 230 = order change  |
| : 1131   | Code list qualifier               | N |        | Not used in EANCOM  |
| : 3055   | Code list agency code             | M |        | Not used in this application  |
| : 1000   | Document/message name             | O | an..35 | Optional, since the message type is fully identified by the code in DE 1001 |
| + 1004   | Document/message number           | M | an..35 | Order response number assigned by document sender: mandatory in EANCOM      |
| + 1225   | Message function, coded           | M | an..3  | 1 = cancellation  |
| + 4343   | Response type, coded              | N |        | Not used in this application  |

**Example:**

BGM+230+C960634+1'

Order change no C960654, cancellation

**3 DTM DATE/TIME/PERIOD One mandatory occurrence per message, to give the message date**

|             |                              |   |        |                                     |
|-------------|------------------------------|---|--------|-------------------------------------|
| <b>C507</b> | <b>DATE/TIME/PERIOD</b>      | M |        |                                     |
| + 2005      | Date/time/period qualifier   | M | an..3  | 137 = message date (CCYYMMDD)       |
| : 2380      | Date/time/period             | M | an..35 | Date in prescribed form             |
| : 2379      | Date/time/period format code | M | an..3  | 102 = code for CCYYMMDD date format |

**Example:**

DTM+137:19960820:102'

Segments 4 to 8 (PAI, ALI, FTX, RFF-DTM) (SG01) are not used in this application

**SG03 NAD-LOC-SG04-SG06 Each occurrence of segment group SG03 identifies a party to the transaction and may give other linked information. In this application, only NAD segment 9 is used.**

**9 NAD NAME AND ADDRESS Two mandatory occurrences per message, to show sender and recipient.**

|             |                              |   |        |  |
|-------------|------------------------------|---|--------|--|
| + 3035      | Party qualifier              | M | an..3  | BY = buyer<br>SU = supplier  |
| <b>C082</b> | <b>PARTY IDENTIFICATION</b>  | D |        | Recommended practice is to use coded identification only, preferably an EAN code   |
| + 3039      | Party identification code    | D | an..17 | EAN location code - format n13; or other mutually agreed code  |
| : 1131      | Code list qualifier          | N |        | Not used in EANCOM   |
| : 3055      | Code list responsible agency | D | an..3  | 9 = EAN<br>22B = Börsenverein des Deutschen Buchhandels (for Verkehrsnummer) (EDItEUR code)<br>31B = US SBN Agency (for US-assigned book trade SANs) (EDItEUR code)<br>32B = UK SBN Agency (for UK-assigned book trade SANs) (EDItEUR code)<br>91 = Assigned by supplier<br>92 = Assigned by buyer |

/continued

**9 NAD NAME AND ADDRESS** *(continued)*

|               |                              |                   |        |   |
|---------------|------------------------------|-------------------|--------|---|
| + <b>C058</b> | <b>NAME AND ADDRESS</b>      | N                 |        | Composite C058 is not used in EANCOM  |
|               | <b>C080</b>                  | <b>PARTY NAME</b> | D      | Name and address are sent as structured text only if no ID code is used (DE 3039) |
| + 3036        | Party name                   | D                 | an..35 | Party name in clear text  |
| : 3036        | Party name                   | D                 | an..35 | Continuation lines if required  |
| : 3036        | Party name                   | D                 | an..35 |   |
| : 3036        | Party name                   | D                 | an..35 |   |
| : 3036        | Party name                   | D                 | an..35 |   |
| : 3045        | Name format, coded           | N                 | an..3  |   |
|               | <b>C059</b>                  | <b>STREET</b>     | D      |   |
| + 3042        | Street & number/P O Box      | D                 | an..35 | Building name and/or number and street name, and/or P O Box number                |
| : 3042        | Street & number/P O Box      | D                 | an..35 | Continuation lines if required  |
| : 3042        | Street & number/P O Box      | D                 | an..35 |   |
| + <b>3164</b> | <b>City name</b>             | D                 | an..35 | City or town name in clear text   |
| + <b>3229</b> | <b>Country sub-entity ID</b> | D                 | an..9  | County, state, province in clear text   |
| + <b>3251</b> | <b>Postcode</b>              | D                 | an..9  | Postal code   |
| + <b>3207</b> | <b>Country, coded</b>        | D                 | an..3  | ISO 3166 two-alpha code   |

**Examples:**

|                          |          |
|--------------------------|----------|
| NAD+BY+5034567876543::9' | Buyer    |
| NAD+SU+5098765432189::9' | Supplier |

Segments 10 to 38 (LOC-RFF-CTA-COM, TAX-MOA, CUX-DTM, PAT-DTM-PCD-MOA, TDT-LOC, TOD-LOC, ALC-ALI-DTM-QTY-RNG-PCD-RNG-MOA-RNG-RTE-RNG-TAX-MOA) (SG04 to SG19) are not used in this application

**SG26** LIN-PIA-IMD-QTY-.....-SG37-SG41-SG47

Each occurrence of segment group SG26 represents one order cancellation line, referring to one outstanding order line.

**39** LIN LINE ITEM

One mandatory occurrence per cancellation line. In this application the LIN segment is used only to carry the line sequence number and an EAN-13 article number if used.

|        |                             |   |       |   |
|--------|-----------------------------|---|-------|---|
| + 1082 | Line item number            | M | n..6  | Line sequence number, starting at one and incremented by one for each successive line (within the present message, NOT related to any previous message) |
| + 1229 | Action request/notification | M | an..3 | 2 = delete (ie cancel)  |
|        | <b>C212 ITEM NUMBER ID</b>  | D |       | Used in this application only if an EAN-13 article number identifies the cancelled item   |
| + 7140 | Item number                 | D |       | EAN-13 article number   |
| : 7143 | Item number type, coded     | D |       | EN = EAN: used if DE 7140 is used   |
| : 1131 | Code list qualifier         | N |       | Not used in EANCOM  |
| : 3055 | Code list agency code       | N |       | Not used in this application  |
| + C829 | Sub-line information        | N |       | Composite C829 is not used in this application  |
| + 1222 | Configuration level         | N |       | Not used in EANCOM  |
| + 7083 | Configuration, coded        | N |       | Not used in this application  |

**Examples:**

LIN+5+2'

Line no 5

LIN+12+2+9780571166244:EN'

Line no 12, EAN article no 9780571166244

**40 PIA ADDITIONAL PRODUCT ID**

**May occur once or twice in each cancellation line, coded 1 or 5 in DE 4347, to give the ISBN or other identification of the cancelled item.**

|  |  |  |
|--|--|--|
| <p>+ <b>4347</b> Product id function code</p> <p><b>C212</b> ITEM NUMBER ID</p> <p>+ 7140 Item number</p> <p>: 7143 Item number type, coded</p><br><p>: 1131 Code list qualifier</p> <p>: 3055 Code list agency code</p> <p>+ <b>C212</b> ITEM NUMBER ID</p> <p>+ <b>C212</b> ITEM NUMBER ID</p> <p>+ <b>C212</b> ITEM NUMBER ID</p> <p>+ <b>C212</b> ITEM NUMBER ID</p> | <p>M an..3</p> <p>M</p> <p>M an..35</p> <p>M an..3</p><br><p>N</p> <p>D</p> <p>D</p> <p>D</p> <p>D</p> | <p>1 = additional identification<br/>5 = product identification (use for the ISBN or other non-EAN product code if it is the only identification of the item)</p> <p>Product number (eg ISBN)<br/>IB = ISBN<br/>IM = ISMN (International Standard Music Number)<br/>IN = buyer's item number<br/>MF = manufacturer's article number (not ISBN, EAN or other standard number)<br/>SA = supplier's article number (not ISBN, EAN or other standard number)</p> <p>Not used in EANCOM</p> <p>Not used in this application</p> <p>Further repeats of Composite C212 may be used where DE 4347 = 1, if there is more than one additional identification number. Where DE 4347 = 5, only one product number should be given.</p> |
|--|--|--|

**Examples:**

PIA+1+0571166245:IB'

PIA+5+0224027646:IB'

ISBN as additional identification

ISBN as sole identification

**41        IMD   ITEM DESCRIPTION**

**Optional: may be repeated as desired (up to a maximum of 99 occurrences) to give a brief free-text description of the item. Not required in a cancellation line provided that unique coded references are given to the order line and to the item ordered.**

|        |                                |   |        |   |
|--------|--------------------------------|---|--------|---|
| + 7077 | Item description type code     | M | an..3  | F = free-form                                     |
| + 7081 | Item characteristic code       | M | an..3  | BST = Short author/title description              |
|        | <b>C273   ITEM DESCRIPTION</b> | M |        |   |
| + 7009 | Item description id            | N |        | Coded description is not used in this application |
| : 1131 | Code list qualifier            | N |        |   |
| : 3055 | Code list agency code          | N |        |   |
| : 7008 | Item description               | M | an..35 | Descriptive data as free text                     |
| : 7008 | Item description               | D | an..35 | Continuation line if required                     |
| + 7383 | Surface/layer indicator        | N |        | Not used in EANCOM                                |
| + 7383 | Surface layer indicator code   | N |        | Not used in EANCOM                                |

**Example:**

IMD+F+BST+:::Williams/They came from SW19'

**Segment 42 (MEA) is not used in this application**

**43        QTY   QUANTITY**

**Optional: one occurrence per cancellation line may be used to give the quantity ordered, or the quantity outstanding (and now cancelled). Not required provided that unique coded references are given to the order line and to the item ordered.**

|        |                                |   |       |   |
|--------|--------------------------------|---|-------|---|
|        | <b>C186   QUANTITY DETAILS</b> | M |       |   |
| + 6063 | Quantity qualifier             | M | an..3 | 21 = ordered quantity   |
| : 6060 | Quantity                       | M | n..15 | 83 = backorder quantity: use for quantity outstanding as a backorder or 'due'       |
| : 6411 | Measure unit qualifier         | N |       | Number of copies ordered, sent as an integer without leading zeros or decimal point |
|        |                                |   |       | Not used in this application  |

**Example:**

QTY+21:1'

One copy ordered



Segments 44 to 50A (DTM, MOA, GIN, QVR, FTX, PRI-CUX-DTM) (including SG30) are not used in this application

**SG31 RFF-DTM** Up to 10 repeats of segment group SG31 per order cancellation line may be used to give references and associated dates required to identify the order line item.

**51 RFF REFERENCE** One mandatory occurrence per repeat of SG28

|                                 |   |        |   |
|---------------------------------|---|--------|---|
| <b>C506 REFERENCE</b>           | M |        |   |
| + 1153 Reference qualifier      | M | an..3  | LI = buyer's order line reference (from RFF segment 51 in purchase order message)<br>ON = buyer's purchase order number (from BGM DE 1004 in purchase order message): may be accompanied by line sequence number in DE 1156 |
| : 1154 Reference number         | M | an..35 |   |
| : 1156 Line number              | D | an..6  | Line sequence number from buyer's order message if DE 1153 = ON   |
| : 4000 Reference version number | N |        | Not used in EANCOM  |

**Example:**

RFF+LI:96056789'

Buyer's order line reference 96056789

**52 DTM DATE/TIME/PERIOD (of reference)** One optional occurrence per repeat of SG31

|                                     |   |        |  |
|-------------------------------------|---|--------|--|
| <b>C507 DATE/TIME/PERIOD</b>        | M |        |  |
| + 2005 Date/time/period qualifier   | M | an..3  | 171 = date of reference given in the linked RFF segment (CCYYMMDD) |
| : 2380 Date/time/period             | M | an..35 | Date in prescribed form  |
| : 2379 Date/time/period format code | M | an..3  | 102 = qualifier for CCYYMMDD date format                           |

**Example:**

DTM+171:19960820:102'

Reference date 20 August 1996

Segments 53 to 79 (PAC-PCI-RFF-DTM-GIN, LOC-QTY-DTM, TAX-MOA, NAD-CTA-COM, ALC-ALI-DTM-QTY-RNG-PCD-RNG-MOA-RNG-RTE-RNG-TAX-MOA, TDT) (SG32 to SG47) are not used in this application

