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:

```
HEADER
One per message
UNH BGM DTM NAD

DETAIL
Change line
Repeated as required
LIN PIA IMD QTY RFF-DTM

SUMMARY
One per message
UNS CNT UNT
```

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'
BGM+230+C966004+1'
DTM+137:19961002:102'
NAD+BY+5412345000176::9'
NAD+SU+4012345000094::9'
LIN+1+2'
PIA+5+1565921550:IB'
QTY+21:2'
RFF+LI:0528837'
DTM+171:19960714:102'
UNS+S'
CNT+2:1'
UNT+13+OC00579'
```

Header
Order cancellation no C966004
Message date 2 October 1996
Buyer’s EAN code
Supplier’s EAN code

Line 1: cancellation
ISBN as product identification
Two copies ordered
Order line reference 0528837
Order date 14 July 1996

Trailer
No of line items = 1
No of segments = 13
# T.5.5 PURCHASE ORDER CHANGE SUBSET FOR BOOK ORDER CANCELLATIONS

## UNH MESSAGE HEADER

<table>
<thead>
<tr>
<th>Code</th>
<th>Field Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0062</td>
<td>Message reference no</td>
<td>Sender's unique message reference. By convention, incorporates a sequence number of the message within the interchange.</td>
</tr>
<tr>
<td>0065</td>
<td>Message type identifier</td>
<td>ORDCHG = purchase order change</td>
</tr>
<tr>
<td>0052</td>
<td>Message type version no</td>
<td>D</td>
</tr>
<tr>
<td>0054</td>
<td>Message type release no</td>
<td>96A = EDIFACT Directory D.96A</td>
</tr>
<tr>
<td>0051</td>
<td>Controlling agency</td>
<td>UN = agency responsible</td>
</tr>
<tr>
<td>0057</td>
<td>Association assigned code</td>
<td>EAN005 = EAN version number</td>
</tr>
<tr>
<td>0068</td>
<td>Common access reference</td>
<td>Not used in EANCOM</td>
</tr>
<tr>
<td>0010</td>
<td>Status of the transfer</td>
<td>Not used in EANCOM</td>
</tr>
</tbody>
</table>

Example:

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

## BGM BEGINNING OF MESSAGE

<table>
<thead>
<tr>
<th>Code</th>
<th>Field Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1001</td>
<td>Document/message code</td>
<td>230 = order change</td>
</tr>
<tr>
<td>1131</td>
<td>Code list qualifier</td>
<td>Not used in EANCOM</td>
</tr>
<tr>
<td>3055</td>
<td>Code list agency code</td>
<td>Not used in this application</td>
</tr>
<tr>
<td>1000</td>
<td>Document/message name</td>
<td>Optional, since the message type is fully identified by the code in DE 1001</td>
</tr>
<tr>
<td>1004</td>
<td>Document/message number</td>
<td>Order response number assigned by document sender: mandatory in EANCOM</td>
</tr>
<tr>
<td>1225</td>
<td>Message function, coded</td>
<td>1 = cancellation</td>
</tr>
<tr>
<td>4343</td>
<td>Response type, coded</td>
<td>Not used in this application</td>
</tr>
</tbody>
</table>

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

C507 DATE/TIME/PERIOD 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
SU = supplier

C082 PARTY IDENTIFICATION D
+ 3039 Party identification code D an..17 Recommended practice is to use coded identification only, preferably an EAN code
: 1131 Code list qualifier N Not used in EANCOM
: 3055 Code list responsible agency D an..3 9 = EAN
22B = Börsenverein des Deutschen Buchhandels (for Verkehrsnummer) (EDItEUR code)
31B = US SBN Agency (for US-assigned book trade SANs) (EDItEUR code)
32B = UK SBN Agency (for UK-assigned book trade SANs) (EDItEUR code)
91 = Assigned by supplier
92 = Assigned by buyer

/continued

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9 NAD NAME AND ADDRESS (continued)

+ C058 NAME AND ADDRESS N Composite C058 is not used in EANCOM
  C080 PARTY NAME 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
C059 STREET 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
+ 3164 City name D an..35 City or town name in clear text
+ 3229 Country sub-entity ID D an..9 County, state, province in clear text
+ 3251 Postcode D an..9 Postal code
+ 3207 Country, coded D an..3 ISO 3166 two-alpha code

Examples:

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

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)

+ 212 C212 ITEM NUMBER ID D

+ 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

+ 829 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
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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>Product id function code</td>
<td>1 = additional identification</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 = product identification</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(use for the ISBN or other</td>
</tr>
<tr>
<td></td>
<td></td>
<td>non-EAN product code if it</td>
</tr>
<tr>
<td></td>
<td></td>
<td>is the only identification</td>
</tr>
<tr>
<td></td>
<td></td>
<td>of the item)</td>
</tr>
<tr>
<td>C212</td>
<td>ITEM NUMBER ID</td>
<td>Product number (eg ISBN)</td>
</tr>
<tr>
<td>+</td>
<td>Item number</td>
<td>IB = ISBN</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IM = ISMN (International</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Standard Music Number)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IN = buyer’s item number</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MF = manufacturer’s article</td>
</tr>
<tr>
<td></td>
<td></td>
<td>number (not ISBN, EAN or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>other standard number)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SA = supplier’s article</td>
</tr>
<tr>
<td></td>
<td></td>
<td>number (not ISBN, EAN or</td>
</tr>
<tr>
<td></td>
<td></td>
<td>other standard number)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not used in EANCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not used in this application</td>
</tr>
<tr>
<td>+</td>
<td>ITEM NUMBER ID</td>
<td>Further repeats of Composite</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C212 may be used where DE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4347 = 1, if there is</td>
</tr>
<tr>
<td></td>
<td></td>
<td>more than one additional</td>
</tr>
<tr>
<td></td>
<td></td>
<td>identification number.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Where DE 4347 = 5, only one</td>
</tr>
<tr>
<td></td>
<td></td>
<td>product number should be</td>
</tr>
<tr>
<td></td>
<td></td>
<td>given.</td>
</tr>
</tbody>
</table>

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

C273 ITEM DESCRIPTION M
+ 7009 Item description id N
: 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.

C186 QUANTITY DETAILS M
+ 6063 Quantity qualifier M an..3 21 = ordered quantity
83 = backorder quantity: use for quantity outstanding as a backorder or ‘due’
+ 6060 Quantity M n..15 Number of copies ordered, sent as an integer without leading zeros or decimal point
+ 6411 Measure unit qualifier N 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

C506  REFERENCE

M
+ 1153  Reference qualifier

M  an..3

LI = buyer’s order line reference (from RFF segment 51 in purchase order message)

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

C507  DATE/TIME/PERIOD

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

80  UNS  SECTION CONTROL  
One mandatory occurrence per message

+ 0081  Section identification  M  a1  
S = Detail/summary section separator

Example:
UNS+S'

Segment 81 (MOA) is not used in this application

82  CNT  CONTROL TOTAL
At least one occurrence per message is recommended, to send a control total of the number of line items

C270  CONTROL  M
+ 6069  Control qualifier  M  an..3
1 = total value of QTY segments in the message (sum of DE 6060’s from QTY segment 43)
2 = number of line items (LIN segments) in the message

: 6066  Control value  M  n..18
Control total sent as an integer without leading zeros and without decimal point

: 6411  Measure unit qualifier  N
Not used in this application

Example:
CNT+2:4'

Four line items in message

83  UNT  MESSAGE TRAILER
One mandatory occurrence per message

+ 0074  No of segments in message  M  n..6
Count includes the UNH and UNT segments

+ 0062  Message reference number  M  an..14
The reference number given here must be the same as that specified in the UNH segment

Example:
UNT+48+ME001234'

48 segments in message reference ME001234