

**BIC EDI Standards
and
Implementation Guidelines**

The Book Trade

**TRADACOMS
File format specifications**

**The Price & Availability
Updates File**

January 2023

PRICE & AVAILABILITY UPDATES

Using the Price & Availability Updates message

| | |
|---|----|
| Changes since August 2010 issue | 2 |
| 1 The Price & Availability Updates message | 3 |
| 2 Price & Availability Updates message version number | 3 |
| 3 Functions of the Price & Availability Updates message | 4 |
| 4 Additional Notes..... | 4 |
| 4.1 Price & Availability Updates File Header (PVUHDR)..... | 4 |
| 4.2 Price & Availability Updates File Details (PVUINF)..... | 4 |
| 4.3 Price & Availability Updates File when titles transferred to new supplier | 5 |
| 4.4 Format of the 'Day' element in Availability Dates..... | 5 |
| 5 Example of Price & Availability Updates transmission | 5 |
| 6 Price & Availability Updates file header | 7 |
| Example of a complete Price & Availability Updates file header | 12 |
| 7 Price & Availability Updates "message level" content | 13 |
| 8 Price & Availability Updates "line level" content | 14 |
| Example showing Order "line level" segments NOI to DNC | 21 |
| 9 Price & Availability Updates message trailer | 21 |
| 10 Price & Availability Updates file trailer | 22 |

NOTE:

The TRADACOMS Price & Availability Updates message is not recommended for new implementations. The recommended formats for the communication of book product information are the ONIX for Books Product Information message and Supply Update message.

Copyright © 2007 Book Industry Communication. These guidelines are based on Tradacoms file format standards reproduced with kind permission of GS1 UK.

Changes since August 2010 issue

Minor changes to document formatting, terminology and references.

1 The Price & Availability Updates message

The Price & Availability Updates message is ANA TRADACOMS File Format 108, Version 1.

The structure of the Order message is outlined in the table below.

| Message | Consisting of segments | Repeat as follows |
|--|--|---|
| PVUHDR Price & Availability Header | MHD = Message Header | One message only, at the start of the file Repeat as necessary at header level |
| | TYP = Transaction Type Details | |
| | SDT = Supplier Details | |
| | CDT = Customer Details | |
| | DNA = Data Narrative | |
| | FIL = File Details | |
| | PLR = Price List References | |
| MTR = Message Trailer | | |
| PVUINF Price & Availability Details | MHD = Message Header | One message only for each update file |
| | NOI = Nature of Information | Repeat for each product item One occurrence per product item Repeatable for multiple prices for a single product item Repeatable at product item level |
| | PRN = Product References | |
| | AVL = Availability | |
| | BBL = Bibliographic Elements | |
| | MLT = Multi-Volume/Part | |
| | PBL = Publisher/Distributor | |
| | BDS = Book Details | |
| | RPR = Retail Price | |
| | DNC = Data Narrative | |
| MTR = Message Trailer | | |
| PVUTLR Price & Availability File Trailer | MHD = Message Header | One message only, at the end of the file |
| | PVT = Price & Availability File Totals | |
| | MTR = Message Trailer | |

2 Price & Availability Updates message version number

The BIC Book Trade Price & Availability message version number for implementations which comply with this issue is T01. This version number should be sent as DNAC code 206 in the DNA segment in the message file header (PVUHDR). See section 6.

3 Functions of the Price & Availability Updates message

The TRADACOMS Price & Availability Updates message is not recommended for new implementations. The recommended formats for the communication of book product information are the ONIX for Books Product Information message and Supply Update message.

The purpose of this book-trade-specific message format is to provide a vehicle for communicating the latest price and availability information from publishers and distributors to bibliographic agencies, booksellers and wholesalers, and from bibliographic agencies, booksellers and wholesalers to their respective customers.

The format is not designed to carry a highly structured bibliographic description. It can, however, be used for first notification of a new title when only basic details are available to be supplied. For some applications, fuller description may well be unnecessary, and the present format will be sufficient to support the maintenance of a product file on the customer's computer system.

Availability status is also communicated as part of an Order Acknowledgement message. The difference there is that the data is used to update an order file, probably keyed by order number, while a Price & Availability Updates message is used to update a product information file, keyed by product identifier (ISBN or EAN-13 number).

The Price & Availability Updates File is used only in circumstances where the receiving party maintains a database of information on products currently available to be ordered from book trade suppliers.

The overall structure of the file derives from that used in the standard TRADACOMS Price Information File Format 2.

4 Additional Notes

4.1 Price & Availability Updates File Header (PVUHDR)

Apart from the message type code, PVUHDR is identical to the standard TRADACOMS Price Information File header. Two message types are defined: one for a complete replacement file, and the other for a file of changes only.

4.2 Price & Availability Updates File Details (PVUINF)

The overall structure of the message is also similar to that of the standard TRADACOMS Price Information File. The TRADACOMS approach is to group together all updates of a given type (additions, amendments, deletions etc.). Each group is introduced by an NOI segment.

Within each group a specific item is identified by a PRN segment, and there follows a series of segments which are specially defined to meet book trade needs.

AVL, BBL, MLT, PBL and BDS form a segment group which can occur only once for each PRN segment. BBL, MLT and PBL are identical in information content to BIB, MUL and PUB in BTOERS (the Book Trade Order message), but in accordance with TRADACOMS practice must be renamed since they are Level 2 segments, carrying SEQA and SEQB sequence numbers.

The RPR segment, which carries price, is defined at a lower level so that there can be several prices attached to a single item (i.e., a single PRN).

As already indicated, however, there can only be one AVL segment for each PRN. The format is flexible enough, however, to allow price and availability details for different markets to be communicated in one transmission, either as separate files with different price list references in the header, or in a single message by allowing more than one occurrence of PRN with the

same ISBN but different AVL and RPR details.

4.3 Price & Availability Updates File when titles transferred to new supplier

When a title has been transferred from one supplier to another a price & availability update should be set up as follows:

- (a) Availability status code "RF" should be used.
- (b) The EAN-13 location number (GLN) for the new supplier, if known, should be sent in AVL/ISAN.

4.4 Format of the 'Day' element in Availability Dates

Any availability date in the format YYMMDD (segment AVL) must include a valid day in DD. A day of '00' is not acceptable.

5 Example of Price & Availability Updates transmission

Note that for clarity each TRADACOMS segment in this example is shown as starting a new line. In reality, there are *no* carriage returns or line feeds within or at the end of a segment. Blocking of TRADACOMS messages depends on the carrier medium and protocols adopted between trading partners.

The example shows the use of the TRADACOMS Reconciliation Message to ensure the integrity of a transmission.

| | |
|---|--|
| STX=ANAA:1+5023456789541:XYZ+5098765 432156+070130:103045+P4371++PVUH DR' | Start of transmission |
| MHD=1+PVUHDR:1' | Message 1: P & A Updates file header |
| TYP=9021' | Transaction code 'P & A Updates only' |
| SDT=5023456789541' | Sender's EAN/GLN number |
| CDT=5098765432156' | Customer's EAN/GLN number |
| DNA=1+206:T01' | BIC message version number T01 |
| DNA=2+207:006' | BIC Code version number 006 |
| FIL=1+1+060630' | File generation 1, file version 1, 30 June 2006 |
| MTR=8' | End of message 1: 8 segments |
| MHD=2+PVUINF:1' | Message 2: P & A Updates message |
| NOI=1+AMEND+070123' | Line 1: type of change "Amend", start date 23 rd January 2007 |
| PRN=1+1+1:1+978012345678X++1' | Product identified by ISBN-13 |
| AVL=1+1+NP:070301' | "Not yet published"; availability date 1 st March 2007 |
| RPR=1+1+1++159500+GBP+++Z' | Price £15.95; zero-rated for VAT |
| MTR=6' | End of message 2: 6 segments |

PVUINF format for book trade price & availability updates

Example 1 (continued)

| | |
|--------------------------|---------------------------------------|
| MHD=3+PVUTLR:1' | Message 3: P & A Updates file trailer |
| PVT=1' | One P & A Updates message in file |
| MTR=3' | End of message 3: 3 segments |
| | |
| MHD=4+RSGRSG:2' | Message 4: reconciliation message |
| RSG=P4371+5098765432156' | |
| MTR=3' | End of message 4: 3 segments |
| | |
| END=4' | End of transmission: 4 messages |

PLEASE NOTE: the final column in the table in this version of the format contains an amalgamation of BIC ‘comments’ and TRADACOMS ‘remarks’.

6 Price & Availability Updates file header

Each P & A Updates file begins with a P & A Updates file header PVUHDR. The expected content of the Order file header is as follows:

| | MHD | MESSAGE HEADER | M | | | One mandatory occurrence per price & availability updates file header |
|---|------|-------------------|---|---|-------|---|
| = | MSRF | Message reference | M | V | 9(12) | Consecutive count of messages within the file: start at 1 and increment by 1 for each new message header. |
| | TYPE | Type of message | M | | | |
| + | | Type | M | F | (X)6 | Always 'PVUHDR' |
| : | | Version no | M | F | 9(1) | Always '1' for this version |

Example:

MHD=1+PVUHDR:1'

Message number 1 in this file

| | TYP | TRANSACTION TYPE DETAILS | M | | | One mandatory occurrence per price & availability updates file header, to specify the type of update. Update types must not be mixed within a single p & a updates file. |
|---|------|--------------------------|---|---|-------|--|
| = | TCDE | Transaction code | M | F | 9(4) | Code List 2: BIC authorised values are: 9020 complete replacement price & availability file 9021 price & availability updates only |
| + | TTYP | Transaction type | C | V | X(12) | Do not use |

Example:

TYP=9020'

Complete replacement price & availability file

| SDT | SUPPLIER DETAILS | M | | | | One mandatory occurrence per price & availability updates file header, to identify the supplier sending the message. |
|-----|------------------|---|---|---|-------|--|
| | | | | | | |
| | <i>SIDN</i> | Supplier's identity | M | | | One mandatory occurrence per SDT segment, to give the coded identity of the supplier, preferably as an EAN location number (GLN). Either a GLN or an alternative supplier code (or both) must be sent. |
| = | | Supplier's EAN location number | C | F | 9(13) | EAN location number (GLN) identifying the supplier. |
| : | | Supplier's identity allocated by customer | C | V | X(17) | An alternative supplier code as agreed between the trading partners if an EAN location number cannot be used. |
| + | <i>SNAM</i> | Supplier's name | C | V | X(40) | Supplier's legal name as printed on invoices. The SNAM element is <i>not recommended</i> – the coded ID in SIDN is sufficient. |
| | <i>SADD</i> | Supplier's address | C | | | A maximum of five lines to give the supplier's address. The SADD element is <i>not recommended</i> – the coded ID in SIDN is sufficient. |
| + | | Supplier's address line 1 | C | V | X(35) | |
| : | | Supplier's address line 2 | C | V | X(35) | |
| : | | Supplier's address line 3 | C | V | X(35) | |
| : | | Supplier's address line 4 | C | V | X(35) | |
| : | | Supplier's post code | C | V | X(8) | |
| | <i>VATN</i> | Supplier's VAT registration no | C | | | Do not use |
| + | | VAT number – numeric | C | F | 9(9) | Do not use |
| : | | VAT number – alphanumeric | C | V | X(17) | Do not use |

Example:

SDT=5012345678907'

EAN/GLN location number only

| CDT | CUSTOMER DETAILS | M | | | | One mandatory occurrence per price & availability updates file header, to identify the customer who will receive the message. |
|-----|------------------|---|---|---|-------|--|
| | | | | | | |
| | <i>CIDN</i> | Customer's identity | M | | | |
| = | | Customer's EAN location no | C | F | 9(13) | EAN location number (GLN) identifying the customer. Use of the EAN number is strongly recommended. |
| : | | Customer's identity allocated by supplier | C | V | X(17) | An alternative customer code as agreed between the trading partners if an EAN location number cannot be used. |
| + | CNAM | Customer's name | C | V | X(40) | Customer's registered legal name. The CNAM element is <i>not recommended</i> – the coded ID in CIDN is sufficient. |
| | <i>CADD</i> | Customer's address | C | | | A maximum of five lines to give the customer's address. The CADD element is <i>not recommended</i> – the coded ID in CIDN is sufficient. |
| + | | Customer's address line 1 | C | V | X(35) | |
| : | | Customer's address line 2 | C | V | X(35) | |
| : | | Customer's address line 3 | C | V | X(35) | |
| : | | Customer's address line 4 | C | V | X(35) | |
| : | | Customer's post code | C | V | X(8) | |
| | <i>VATR</i> | Customer's VAT registration no | C | | | Do not use |
| + | | VAT registration no – numeric | C | F | 9(9) | Do not use |
| : | | VAT registration no – alphanumeric | C | V | X(17) | Do not use |

Example:

CDT=5012345678907'

EAN/GLN location number only

| | DNA | DATA NARRATIVE | C | | | Two occurrences are recommended, but not mandatory, to show the BIC message and code list versions used in the order file. Otherwise not used. |
|---|------|---------------------------------|---|---|-------|--|
| = | SEQA | First level sequence number | M | V | 9(10) | Starts at 1 and incremented by 1 for each repeat of this segment in this message. |
| | DNAC | Data narrative code | C | | | Use only for BIC message and code list version number. |
| + | | Code table number | C | V | 9(4) | Number of relevant code list: 206 BIC message version number: T01 for this issue 207 BIC code list version number |
| : | | Code value | C | V | X(3) | Code value from code list |
| | RTEX | Registered text | C | | | The only RTEX code which may be used in this segment is: 073 Currency code, format X(3) (see ANA list 31). Used here to specify a default Currency for the message, mandatory when the currency is not £ sterling |
| + | | 1st registered application code | C | V | X(3) | |
| : | | Application text | C | V | X(40) | |
| : | | 2nd registered application code | C | V | X(3) | |
| : | | Application text | C | V | X(40) | |
| : | | 3rd registered application code | C | V | X(3) | |
| : | | Application text | C | V | X(40) | |
| : | | 4th registered application code | C | V | X(3) | |
| : | | Application text | C | V | X(40) | |
| | GNAR | General narrative | C | | | Do not use |
| + | | General narrative line 1 | C | V | X(40) | |
| : | | General narrative line 2 | C | V | X(40) | |
| : | | General narrative line 3 | C | V | X(40) | |
| : | | General narrative line 4 | C | V | X(40) | |

Example:

DNA=1+206:T01'

DNA=2+207:005'

PVUINF version T01

BIC code lists issue 005

| | FIL | FILE DETAILS | M | | | One occurrence is mandatory in each price & availability updates file header to specify the file sequence number, version number and date |
|---|------|----------------------------|---|---|------|---|
| = | FLGN | File generation number | M | V | 9(4) | This number must be sequential for each successive Order file exchanged between trading partners, regardless of the route by which it is sent, to enable the receiver to check if a file has been missed. |
| + | FLVN | File version number | M | V | 9(4) | Indicates when more than one attempt has been made to send the same file: for each retransmission, FLVN is increased by 1, while FLGN remains the same; the original transmission is always '1'. |
| + | FLDT | File creation date | M | F | 9(6) | Date the file is created. Format: YYMMDD |
| + | FLID | File (reel) identification | C | V | X(6) | Reference on the outside of the reel containing the file: do not use. This field is applicable only if TRADACOMS files are exchanged on optical or magnetic media. |

Example:

FIL=1207+1+050302'

File sequence number 1207, original transmission, created 2 March 2005

| | PLR | PRICE LIST REFERENCES | C | | | This segment is not normally used in BIC applications |
|---|-------------|-----------------------------------|---|---|-------|---|
| | <i>PLND</i> | Price List number | M | | | Used to indicate price list reference numbers, if any |
| = | | Supplier's price list | C | V | X(17) | |
| : | | Customer's price list | C | V | X(17) | |
| | <i>DACH</i> | Date of change | C | | | Indicates the dates from and to which the price list is applicable |
| + | | Start date | C | F | 9(6) | Format: YYMMDD |
| : | | End date | C | F | 9(6) | Format: YYMMDD |
| | <i>SCRF</i> | Specification/contract references | C | | | Indicates a contract or specification to which the price list applies |
| + | | Specification number | C | V | X(17) | |
| : | | Contract number | C | V | X(17) | |

| | MTR | MESSAGE TRAILER | M | | | One mandatory occurrence per price & availability updates file header |
|---|------|-------------------------------|---|---|-------|--|
| = | NOSG | Number of segments in message | M | V | 9(10) | Control count of the number of segments comprising the PVUHDR file header. The count includes the MHD and MTR segments surrounding the header. |

Example:

MTR=8'

Eight segments, including two occurrences of DNA

Example of a complete Price & Availability Updates file header:

MHD=1+PVUHDR:1'
 TYP=9021'
 SDT=5012345678987'
 CDT=5098765432123'
 DNA=1+206:T01'
 DNA=2+207:006'
 FIL=4125+1+070302'
 MTR=8'

Message header
 Transaction code: "price & availability updates only"
 Supplier EAN location code
 Customer EAN location code
 BIC message version number T01
 BIC code list version number 006
 File sequence number 4125, original transmission, 2 March 2007
 Message trailer: eight segments

7 Price & Availability Updates “message level” content

A Price & Availability Updates file must carry one or more update messages, identified as "PVUINF". Each update message begins with a “message level” segment MHD whose content is as follows:

| | MHD | MESSAGE HEADER | M | | | One mandatory occurrence per message |
|---|------|-------------------|---|---|-------|---|
| = | MSRF | Message reference | M | V | 9(12) | Consecutive count of messages within the file |
| | TYPE | Type of message | M | | | |
| + | | Type | M | F | X(6) | Always 'PVUINF' |
| : | | Version number | M | F | 9(1) | Always '1' for this version |

Example:

MHD=2+PVUINF:1'

Message number 2 in this file

8 Price & Availability Updates “line level” content

A Price & Availability Updates message may carry one or more update lines. Each update line consists of a group of “line level” segments NOI to DNC, whose content is as follows:

| | NOI | NATURE OF INFORMATION | M | | | One occurrence is mandatory for each sequence of updates of a common type |
|---|-------------|-----------------------------|---|---|-------|---|
| = | SEQA | First level sequence number | M | V | 9(10) | Starts at 1 and incremented by 1 for each repeat of this segment in this message |
| + | TYPC | Type of change | M | V | X(6) | Use 'ADD' or 'AMEND' for update changes (TCDE = 9121) Use 'REPORT' for complete replacement file (TCDE = 9120) |
| | <i>DACH</i> | Date of change | C | | | |
| + | | Start date | C | F | 9(6) | Format: YYMMDD Start date is mandatory for 'ADD' and 'AMEND' |
| : | | End date | C | F | 9(6) | Format: YYMMDD |

Example:

NOI=1+AMEND+070121'

Line 1; type of change “Amend”; start date 21st January 2007

| | PRN | PRODUCT REFERENCES | M | | | One occurrence is mandatory per update item |
|---|-------------|---|---|---|-------|---|
| = | SEQA | First level sequence number | M | V | 9(10) | Must match NOI/SEQA in the line to which the PRN belongs |
| + | SEQB | First level sequence number | M | V | 9(10) | Starts at 1 and is incremented by 1 for each segment of this type in line |
| | <i>LEVC</i> | Level references | M | | | Mandatory in TRADACOMS – content ignored in BIC usage |
| + | | Level code | M | F | X(1) | Shows level of this product in a hierarchy – always '1' for BIC |
| : | | Authorisation | M | F | X(1) | Always '1' for BIC (customer authorised to buy product) |
| | <i>SPRO</i> | Supplier's product number | M | | | The EAN-13 article number should if possible be sent. |
| + | | EAN-13 article number for the traded unit | C | F | 9(13) | "Bookland" EAN-13 article number or ISBN-13. |
| : | | Supplier's code for the traded unit | C | V | X(30) | ISBN-10, without hyphens or spaces. Note: from January 2007 an ISBN-10 should no longer be transmitted. However, trading partners should be prepared to accept them on incoming messages |

| | | | | | | |
|---|------|--|---|---|------------|---|
| : | | DUN-14 code for the traded unit | C | F | 9(14) | Do not use |
| + | SACU | Supplier's EAN Code for the designated consumer unit | C | F | 9(13) | Do not use |
| | CPRO | Customer's product number | C | | | Do not use: any code sent in this field will be ignored by the receiver unless specifically agreed otherwise. |
| + | | Customer's own brand EAN number | C | F | 9(15) | |
| : | | Customer's item code | C | V | X(30) | |
| | UNOR | Unit of ordering | M | | | |
| + | | Consumer units in traded unit | C | V | 9(15) | Number of consumer units making up the supplier's traded unit. .Mandatory: always 1 in book supply. |
| : | | Ordering measure | C | V | 9(10)V9(3) | Do not use |
| : | | Measure indicator | C | V | X(6) | Do not use |
| | TDES | Traded unit description | C | | | Do not use: use BIB, MLT, PBL etc for product description |
| + | | Traded unit description line 1 | C | V | X(40) | Do not use |
| : | | Traded unit description line 2 | C | V | X(40) | Do not use |

(Sub-elements UCON and CORI have been omitted as they are not used in this application)

Example:

PRN=1+1+1:1+9780752858791++1'

Product reference: ISBN-13 9780752858791

| | AVL | AVAILABILITY | C | | | |
|---|------|---------------------------------|---|---|-------|--|
| = | SEQA | First level sequence number | M | V | 9(10) | Must match NOI/SEQA in the line to which the AVL segment belongs |
| + | SEQB | First level sequence number | M | V | 9(10) | Must match PRN/SEQB in the line to which the AVL segment belongs |
| | AVST | Availability | C | | | |
| + | | Availability status (publisher) | M | F | X(3) | Use value from Code List 54 |

(continued)

| | AVL | AVAILABILITY (continued) | | | | |
|---|-----|----------------------------------|---|---|------|----------------|
| : | | Availability date (publisher) | C | F | 9(6) | Format: YYMMDD |
| : | | Availability status (bookseller) | C | V | X(3) | Do not use |

| | | | | | | |
|---|------|--------------------------------|---|---|-------|--|
| : | | Notification date | C | F | 9(6) | Format: YYMMDD |
| | ISAN | Identification of supplier | C | | | Identification of new supplier when availability status is 'RF' (refer to other publisher) |
| + | | Supplier's EAN location number | C | F | 9(13) | Supplier's EAN location number (GLN) – preferred form |
| : | | Supplier's other identity code | C | V | X(17) | Industry standard or mutually agreed code |
| : | | Effective date | C | F | 9(6) | Format: YYMMDD |
| : | | Notification date | C | F | 9(6) | Format: YYMMDD |
| + | RSBN | Replaced by ISBN | C | F | X(10) | Do not use. Use DNC/RTEX code 983 to identify successor/replacement product |
| + | MRKT | Market code | C | F | X(3) | 'OPN' = Open Market edition 'RTL' = Retailer exclusive edition 'OTH' = Other non-territorial restriction |

| | BBL | BIBLIOGRAPHIC DETAILS | C | | | |
|---|------|------------------------------|---|---|-------|--|
| = | SEQA | First level sequence number | M | V | 9(10) | Must match NOI/SEQA in the line to which the BBL segment belongs |
| + | SEQB | Second level sequence number | M | V | 9(10) | Must match PRN/SEQB in the line to which the BBL segment belongs |
| | TITL | Title | C | | | Full title |
| + | | Title line 1 | C | V | X(40) | |
| : | | Title line 2 | C | V | X(40) | |
| : | | Title line 3 | C | V | X(40) | |
| | ATHR | Author | C | | | Author name(s): <surname, forename> preferred |
| + | | Author line 1 | C | V | X(40) | |
| : | | Author line 2 | C | V | X(40) | |
| + | SERS | Series | C | V | X(40) | Series title |
| + | FORM | Format codified | C | V | X(5) | Use values from BIC Code List 202. A product which mixes two formats may have two codes separated by "/", e.g., hardback and cassette 'HB/AC' |
| + | PBDT | Publication date | C | F | 9(6) | Format: YYMMDD |
| + | EDIT | Edition | C | V | X(10) | Edition statement e.g., '2nd ed' |

| | MLT | MULTI-VOLUME PART | C | | | |
|---|------|-----------------------------|---|---|-------|--|
| = | SEQA | First level sequence number | M | V | 9(10) | Must match NOI/SEQA in the line to which the MLT segment belongs |

| | | | | | | |
|---|------|------------------------------|---|---|-------|--|
| + | SEQB | Second level sequence number | M | V | 9(10) | Must match PRN/SEQB in the line to which the MLT segment belongs |
| + | VOLN | Volume/part number | C | F | X(40) | |
| + | STDT | Start date | C | F | 9(6) | Do not use: not applicable here |
| + | VOLT | Volume title | C | V | X(40) | |

| | | | | | | |
|---|-------------|------------------------------|----------|---|-------|--|
| | PBL | PUBLISHER/DISTRIBUTOR | C | | | |
| = | SEQA | First level sequence number | M | V | 9(10) | Must match NOI/SEQA in the line to which the PBL segment belongs |
| + | SEQB | Second level sequence number | M | V | 9(10) | Must match PRN/SEQB in the line to which the PBL segment belongs |
| + | PNAM | Publisher name | C | V | X(40) | For co-publisher, use DNC segment, RTEX code 312 |
| | <i>PADD</i> | Publisher's address | C | | | |
| + | | Publisher's address line 1 | C | V | X(35) | |
| : | | Publisher's address line 2 | C | V | X(35) | |
| : | | Publisher's address line 3 | C | V | X(35) | |
| : | | Publisher's address line 4 | C | V | X(35) | |
| : | | Publisher's post code | C | V | X(8) | |
| + | DIST | Distributor's name | C | V | X(40) | |

| | | | | | | |
|---|-------------|--------------------------------|----------|---|------------|--|
| | BDS | BOOK DETAILS | C | | | |
| = | SEQA | First level sequence number | M | V | 9(10) | Must match NOI/SEQA in the line to which the BDS segment belongs |
| + | SEQB | Second level sequence number | M | V | 9(10) | Must match PRN/SEQB in the line to which the BDS segment belongs |
| | <i>DIMS</i> | Unit dimensions in millimetres | C | | | |
| + | | Height | M | V | 9(10)V9(3) | |
| : | | Width | C | V | 9(10)V9(3) | |
| : | | Thickness | C | V | 9(10)V9(3) | |
| + | WGHT | Unit weight in grams | C | V | 9(10)V9(3) | |
| + | PQTY | Binder's pack quantity | C | V | 9(15) | |

| | | | | | | |
|---|------------|------------------------------|----------|---|-------|--|
| | RPR | DETAIL PRICE | C | | | |
| = | SEQA | First level sequence number | M | V | 9(10) | Must match NOI/SEQA in the line to which the RPR segment belongs |
| + | SEQB | Second level sequence number | M | V | 9(10) | Must match PRN/SEQB in the line to which the RPR segment belongs |

| | | | | | | |
|---|------|--------------------------------------|---|---|------------|--|
| + | SEQC | Third level sequence number | M | V | 9(10) | Starts at 1 and is incremented by 1 for each repeat of RPR in the update line |
| | DACH | Date of change | C | | | Dates between which the price is applicable |
| + | | Start date | C | F | 9(6) | Format: YYMMDD |
| : | | End date | C | F | 9(6) | Format: YYMMDD |
| | RPRI | Price | M | | | |
| + | | Standard retail price of traded unit | M | V | 9(10)V9(4) | Suggested retail price |
| : | | Notification date | C | F | 9(6) | Format: YYMMDD |
| + | CUIN | Currency indicator | C | V | X(3) | Use currency code from Code List 31 |
| | TERM | Terms of sale | C | | | |
| + | | Terms of sale code | C | F | X(3) | Not applicable post NBA – do not use |
| : | | Discount group code | C | V | X(17) | Publisher's discount group code |
| + | PIND | Special price code | C | F | X(4) | Use value from Code List 5 E Export price F Free of charge P Promotional price |
| + | VATC | VAT rate category code | C | F | X(1) | Use value from Code List 12 S Standard rate Z Zero-rated E Export item A Mixed-rate item, detail in RPXV |

(continued)

| | RPR | DETAIL PRICE (continued) | | | | |
|---|------|----------------------------|---|---|------------|---|
| | RPXV | UK Price excluding VAT | C | | | Use for mixed-rate items, e.g., book and cassette |
| + | | Part 1 description | C | V | X(40) | |
| : | | Part 1 price excluding VAT | C | V | 9(10)V9(4) | |
| : | | Part 1 VAT rate percentage | C | V | 9(3)V9(3) | |
| : | | Part 2 description | C | V | X(40) | |
| : | | Part 2 price excluding VAT | C | V | 9(10)V9(4) | |
| : | | Part 2 VAT rate percentage | C | V | 9(3)V9(3) | |
| | PRIN | Price note | C | | | Free form note |
| + | | Price note line 1 | C | V | X(40) | |
| : | | Price note line 2 | C | V | X(40) | |

| | DNC | DATA NARRATIVE | C | | | One or more occurrences are optional to carry coded or free text elements as specified below |
|---|------|------------------------------|---|---|-------|---|
| = | SEQA | First level sequence number | M | V | 9(10) | Must match NOI/ SEQA in the line to which the DNC segment belongs |
| + | SEQB | Second level sequence number | M | V | 9(10) | Must match PRN/SEQB in the line to which the DNC segment belongs |
| + | SEQC | Third level sequence number | M | V | 9(10) | Starts at 1 and is incremented by 1 for each repeat of DNC in the update line |
| | DNAC | Data narrative code | C | | | Coded data identified by a code list number |
| + | | Code table number | C | V | 9(4) | The identifying number of the relevant code list. The only code list that may be used in this context is: 203 Order priority codes |
| : | | Code value | C | V | X(3) | The only valid code is: FMS – Firm Sale |

(continued)

| | DNC | DATA NARRATIVE (continued) | | | | |
|---|------|---------------------------------|---|---|-------|---|
| | RTEX | Registered text | C | | | |
| + | | 1st registered application code | C | V | X(3) | Data elements identified by RTEX codes from Code List 24. The same RTEX element may be repeated up to four times, or up to four different RTEX elements may be sent in one Data Narrative segment. Valid RTEX codes in this context are as follows: 068 Classification 300 Total number of pages: format 9(6) 301 Market restrictions: in free or mutually agreed format 302 Low stock indicator 308 Illustrations note: free text 312 Co-publisher name 313 Estimated time to manufacture (number of days) for a book which is "manufactured on demand": format 9(2) 980 Name of retailer for retailer exclusive edition 981 Free text explaining an "other" non-geographical restriction on sale 983 EAN-13 or ISBN-13 of successor/replacement product |
| : | | Application text | C | V | X(40) | |
| : | | 2nd registered application code | C | V | X(3) | |
| : | | Application text | C | V | X(40) | |
| : | | 3rd registered application code | C | V | X(3) | |
| : | | Application text | C | V | X(40) | |
| : | | 4th registered application code | C | V | X(3) | |
| : | | Application text | C | V | (X40) | |
| | | | | | | |
| | GNAR | General narrative | C | | | Do not use |
| + | | General narrative line 1 | C | V | X(40) | |
| : | | General narrative line 2 | C | V | X(40) | |
| : | | General narrative line 3 | C | V | X(40) | |
| : | | General narrative line 4 | C | V | X(40) | |

Example showing Order "line level" segments NOI to DNC:

```
NOI=1+AMEND+070323 '
PRN=1+1+1:1+978012345678X++1 '
AVL=1+1+NP:070404 '

BBL=1+1+Book title+Author, First++HB+070404 '

PBL=1+1+Publisher One '
RPR=1+1+1++159500+GBP+++Z '
DNC=1+1+1++312:Publisher Two '
```

Line 1: Amendment; start change date 23rd March 2007
 PRN segment 1.1. ISBN-13 - 978012345678X
 AVL segment 1.1. "not yet published", availability date 4th April 2007
 BBL segment 1.1. Title, author; format "hardback"; publication date 4th April 2007
 PBL segment 1.1. Publisher name
 RPR segment 1.1.1. Price £15.95; zero-rated for VAT
 DNC segment 1.1.1. Co-publisher

9 Price & Availability Updates message trailer

| | MTR | MESSAGE TRAILER | M | | | One occurrence is mandatory at the end of each update message |
|---|------|-------------------------------|---|---|-------|---|
| = | NOSG | Number of segments in message | M | V | 9(10) | Control count of the number of segments comprising message. The count includes the MHD and MTR segments surrounding the message |

Example:

MTR=54 '

54 segments in this update message

10 Price & Availability Updates file trailer

| | | | | | | |
|---|------------|-----------------------|----------|---|-------|---|
| | MHD | MESSAGE HEADER | M | | | One occurrence is mandatory at the end of each price & availability updates file |
| = | MSRF | Message reference | M | V | 9(12) | Consecutive count of messages within the file |
| | TYPE | Type of message | M | | | |
| + | | Type | M | F | X(6) | Always 'PVUTLR' |
| : | | Version number | M | F | 9(1) | Always '1' for this version |

Example:

MHD=5+PVUTLR:1'

Message number 5 in this file

| | | | | | | |
|---|------------|------------------------------|----------|---|-------|---|
| | PVT | FILE TOTALS | M | | | One occurrence is mandatory at the end of each price & availability updates file |
| = | NOPR | Number of product references | M | V | 9(10) | Total number of product items (PRN segments) in the file |

Example:

PVT=12'

Twelve product items updated in this file

| | | | | | | |
|---|------------|-------------------------------|----------|---|-------|---|
| | MTR | MESSAGE TRAILER | M | | | One occurrence is mandatory at the end of each price & availability updates file |
| = | NOSG | Number of segments in message | M | V | 9(10) | Control count of the number of segments comprising message. Includes the MHD and MTR segments |

Example:

MTR=3'

Three segments in price & availability update file trailer