

# **ONIX FOR LIBRARIES**

**An investigation into the feasibility of using ONIX  
International as a standard for bibliographic data transmission  
between the book trade and libraries in the UK**

**A study conducted for  
Book Industry Communication**

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**Resource: The Council for Museums, Archives and Libraries**



**BOOK INDUSTRY  
COMMUNICATION**

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# Contents

|   |           |
|---|-----------|
| <b>Executive Summary</b>                    | <b>1</b>  |
| <b>Introduction</b>                         | <b>2</b>  |
| <b>Background</b>                           | <b>2</b>  |
| <b>Objectives</b>                           | <b>3</b>  |
| <b>Methodology</b>                          | <b>3</b>  |
| <b>Questionnaire Results</b>                | <b>4</b>  |
| <b>Summary</b>                              | <b>5</b>  |
| <b>Part I</b>                               | <b>5</b>  |
| <b>Part II</b>                              | <b>5</b>  |
| <b>Current Cataloguing</b>                  | <b>5</b>  |
| <b>Scope of the bibliographic record</b>    | <b>9</b>  |
| <b>Part III</b>                             | <b>15</b> |
| <b>Questionnaire – Initial Analysis</b>     | <b>17</b> |
| <b>Questionnaire – Focus Group Analysis</b> | <b>19</b> |
| <b>Conclusions</b>                          | <b>22</b> |
| <b>Recommendations for further study</b>    | <b>23</b> |
| <b>Acknowledgements</b>                     | <b>24</b> |
| <b>Appendix 1</b>                           | <b>25</b> |
| <b>Appendix 2</b>                           | <b>39</b> |
| <b>Appendix 3</b>                           | <b>53</b> |
| <b>Appendix 4 (focus group minutes)</b>     | <b>67</b> |

## *Executive Summary*

When this project was discussed it was already known that there would be areas of concern in the ONIX format for libraries – the mapping by the British Library and Library of Congress between ONIX and MARC identified some missing elements, and libraries have always shown concern about data produced by the book trade – both in content and format.

Therefore it was decided to try to discover what data libraries in the UK actually require (it was felt that some MARC data might be unnecessary whereas other data is essential). The project mainly concentrated on the content requirement (rather than the format) as any format problems need to be resolved between the book trade and libraries and are not an issue for the ONIX format.

It was also important to establish the interest that libraries have in the development of a new format and, to this end, they were asked to evaluate the current ONIX elements and were sent some background material.

The results of the project are very encouraging. All of the participating libraries are keen for ONIX to be developed with their interests in mind. As expected, data from external suppliers does cause some problems – particularly forms of names – but nearly all libraries take the data and amend it rather than create records from scratch. The reason that libraries gave for not taking data from external sources was unavailability of required data rather than quality.

Many of the elements requested by libraries in the survey have been included in later versions of ONIX or are being resolved in the current serials development project. There are still elements to be added but most of these will be for special materials including materials not commercially available and artefacts eg: museum exhibits.

Libraries seem keen to receive data in ONIX that is not strictly ‘bibliographic’ eg: Holdings data (data specifically pertaining to items in an organisation) and Authority data (records containing authorised form of a name, together with cross-references) and this will require additional ONIX elements.

It is clear, from the results of the survey, that libraries are looking at ONIX as more than a format for data transmission. They consider that it will fit easily within current XML developments, and some of the requirements for extra elements (eg: for manuscripts and rare books) show that libraries are considering ONIX as a future cataloguing format – an issue for systems suppliers – and this bodes well for the future development of ONIX.

## ***Introduction***

The investigation into the feasibility of using ONIX International as a standard for bibliographic data transmission between the book trade and libraries in the UK was proposed to the British National Bibliography Research Fund by BIC. The project has been managed by Brian Green and steered by BIC's Product Metadata Working Party, chaired by Stuart Ede (Director of Collection Management, British Library).

## **Background**

Following a BNBPRF study by David Martin on Data Elements for Book Product Information, BIC, working with the Book Industry Study Group, produced the EDItEUR Product Information Standards (EPICS), a metadata specification designed for exchanging product information for books and other media.

A subset of EPICS called ONIX International (Online Information Exchange) has now been developed in collaboration with the Association of American Publishers and is being implemented by UK and US publishers for the transmission of product information to bibliographic agencies, Internet booksellers and others. EPICS and ONIX have been developed as international standards and there is considerable interest from the book trades in South America and several European countries. The International ISBN panel has formed a working group to define a core subset of ONIX to be adopted as a metadata standard for the ISBN.

During the summer of 2000 Alan Danskin, the British Library's key MARC specialist, mapped ONIX to UNIMARC and, since then, mapping from ONIX to MARC 21 has been produced by the Library of Congress, using the record builder originally created by OCLC. These mapping projects show significant differences between the ONIX and MARC formats and Alan Danskin recommended that further work needed to be done to refine the data requirements of each community in order to define the subsets of each format that can be exchanged.

## ***Objectives***

1. To discover the data requirements of all types of libraries in the UK (Academic, Public, Special):
  - For library systems (eg: for data retrieval – bibliographies, statistics etc.)
  - For library OPACs
  - Specific to particular library material – eg: music, AV, other non-book, serials
2. To investigate possible problems with the content of ONIX elements (eg: title information, forms of names)
3. To discover the importance to the libraries of some aspects of MARC which are not currently included in the ONIX format and also the importance of the current ONIX elements.

## ***Methodology***

It was decided that the main method should be a questionnaire entitled ‘Bibliographic Records – Minimum Data Requirements’. A Focus Group would then be set up to analyse the results of the questionnaire .

The questionnaire was designed with three main parts:

- I – General information
- II – Current library practice
- III – Evaluation of current ONIX data elements

Part I dealt with the type of library responding to the questionnaire, the materials held and the cataloguing formats used.

In Part II libraries were asked to evaluate how they currently handle data from external sources (ie: what they need to change in order to meet their requirements) and what data they include when cataloguing from scratch. They were asked to consider whether there were different requirements for different types of material. A section was included to cover the scope of the bibliographic record – this covered the type of data which might be received in the ONIX format (eg: holdings, authority data) and also covered some of the problems outlined in the conclusions of Alan Danskin’s document ‘Report on an ONIX UNIMARC crosswalk’ (eg: no ONIX equivalent of ‘Type of Material’).

Part III consisted of a list of the ONIX elements, and libraries were asked to evaluate which they considered might be essential or important to their institution and to give suggestions for other elements that might be added to the format.

The questions in Parts II and III were to be considered with reference to the various requirements of the library (eg: data retrieval, acquisitions, OPAC). In order to simplify the process multiple-choice questions were used wherever possible – the majority of questions required the libraries to evaluate the importance of given elements, both for current cataloguing and for ONIX and they were given a choice of ‘Essential’, ‘Important’ or ‘Not important’.

In Part II some questions were devised to ascertain the reason for certain aspects of current cataloguing practice (eg: adding/deleting/changing data from external sources). A number of possible reasons were supplied (eg: ‘System Requirement’, ‘Enhance Record’) and libraries were also invited to add any other reasons.

Details of the questions may be found in the Appendices.

The libraries taking part were also supplied with 2 other documents for reference – ‘ONIX International Overview and Summary List of Data Elements’ and ‘ONIX to MARC 21 Mapping’. These 2 documents aimed to familiarise libraries with the ONIX elements and to show how ONIX might be used to transmit data to libraries with databases created using a traditional MARC format.

Libraries were approached, either by direct contact, or through specific mailing lists on the National Academic Mailing List Service (JISCmail). This ensured that any interested libraries could participate and that all types of libraries would be represented in the results.

The Focus Group consisted of a subset of respondents to the questionnaire, together with a Library Systems supplier and representatives of BIC and the Library Association.

## ***Questionnaire Results***

Questionnaires were returned from 42 libraries comprising:

- Academic libraries – 18
- Public libraries - 16
- Special libraries - 8 (National, Charity, Museum, Government Department)

Details of the results by library type are given in Appendices 1-3.

## **Summary**

### **Part I**

The following material was found to be held by the majority of libraries in the survey:

- Books (fiction and non-fiction)
- Serials
- Music (manuscripts, scores)
- Audio/Visual
- Cartographic
- Electronic resources (eg: computer file, CD-ROM)
- Visual material (eg: prints, slides, filmstrips)
- Tactile material (material intended to be read or interpreted by touch eg: Braille)
- Multi-media (eg: CD with book, designed to be used together)

Some libraries stated that their material includes books in Large Print, Braille and Moon formats.

Note: The Moon format consists of raised shapes, similar to letters (whereas Braille consists of raised dots).

Other, more unusual, material includes jigsaw leaflets and playstations.

Only one library in the survey does not use the MARC format for cataloguing (although they do receive data in MARC) and only one library does not use AACR cataloguing rules. The majority of the libraries currently use UKMARC – however, several indicated that they will be moving to MARC 21 (formerly USMARC) over the next few years.

### **Part II**

#### **Current Cataloguing**

Most of the libraries receive data from external sources (all Public libraries and all but one of the Academic libraries) and very few receive data in other than MARC format.

Two libraries receive data in EDI format and two receive data in Dublin Core format (metadata standard to describe a wide range of networked resources).

The main reason for not receiving data is that records are unavailable for their stock (eg: local publications, material published outside the UK, specialist material like Instruction Manuals which are required for visually impaired). Some special libraries consider that it is quicker to create records from scratch and there are concerns about the quality of data received from external sources. Other reasons for not receiving data include:

- Difficulty in synchronising the delivery of bibliographic data with the receipt or orders
- Lack of currency of the material that can be supplied
- Inability of libraries to download from the internet

**Adding data** - Many different elements are added to records – the most often cited being:

- Extra notes fields
- Subject headings and index terms
- Added Author and Title entries
- Classification

Elements added are a mixture of 'library-specific' and general. The 'library-specific' elements are a mixture of standard MARC fields (eg: author entries, subject headings, classification) and copy-specific information (eg: accessions number, binding information). Special libraries have some very specific requirements which are not supplied by external sources - eg: the Libraries for the Blind add a Media field (holds in-depth format information essential for their users).

The majority of libraries add data for two reasons:

- Enhance access (ie: improve OPAC searches)
  - Academic – 81%
  - Public - 69%
  - Special - 60%
- Enrich record (ie: improve the bibliographic content of the data)
  - Academic – 56%
  - Public - 19%
  - Special - 60%

Several libraries gave more than one reason and some Public libraries stated that they add data for consistency (to correspond with data already on their database) and because they require simpler classification numbers.

**Deleting data** - Various elements are deleted from records, the most commonly cited being the Coded Information fields (this is often duplicate data because most of the information libraries require will also appear as text in other fields). Some libraries state that they opt to suppress data from OPAC rather than delete it from the record. Libraries that have access to a shared database are most likely to do this – they realise that other libraries using their system may require data that they do not want.

**Changing data** - Reasons specified for changing elements are evenly spread between:

- AACR Requirement (ie: required by the standard Cataloguing Rules used by the library)
  - Academic – 44%
  - Public - 25%
  - Special - 40%
  
- System Requirement (ie: required by the particular Library Management System)
  - Academic – 37%
  - Public - 6%
  - Special - 40%
  
- Enhance Access
  - Academic – 44%
  - Special - 80%
  
- Enrich Record
  - Academic – 31%
  - Public - 31%
  - Special - 80%

Both Academic and Public libraries stated that consistency is a major reason for changing data. Many libraries change data to correspond with their minimum input standards (these outline which MARC fields are ‘required’ or ‘optional’ for all bibliographic records).

The elements changed include:

- Name headings (the form in which a name appears in the bibliographic data eg: Shakespeare, William, 1564-1616)
- Classification numbers
- Removing Roman numerals from certain fields

Libraries also amend data for different editions ie: instead of creating new records for each edition they take one basic record and amend the fields (eg: ISBN and Edition information) as required for each edition.

**Records created from scratch** - The percentage of records libraries create from scratch ranges from 2-100%. In the survey Academic libraries recorded the lowest percentage (the majority creating less than 20% from scratch).

**Minimum input standard** - Every library except one follows a minimum input standard and, in general, the standards are supplied by one of the following:

- Database provider
- National library
- AACR

Other standards used are:

- BARM (Building a Regional Music Resource)
- Reveal ( a web-based union catalogue of alternative format material)

BARM was a project to create a printed music database to deal with all printed music (including pop, jazz etc.), initially for the South East region of England.

Reveal is currently being developed as one of various projects designed to improve access to library and information services for visually impaired people. It will be a web-based Union catalogue and become the standard for cataloguing alternative format material (Braille, moon, large print and audio material).

The **significance of the results** in this section are that:

a) Libraries clearly find it necessary to amend data that they receive from external sources and give a variety of reasons for doing so. The elements that are commonly cited by libraries as needing adding or amending are:

- Notes fields
- Name headings
- Classification

b) Libraries generally prefer to receive bibliographic records from an external source and amend them rather than to create them from scratch. Special libraries tend to be the exception because the material they require is often not available from external sources.

c) Nearly all of the libraries use standards for cataloguing – both for what fields they enter (their minimum input standards) and for how to enter the data (AACR Cataloguing Rules).

## Scope of the bibliographic record

**Holdings data** – Holdings data is information about items held by an organisation (ie: not part of a universal bibliographic description). In MARC 21 this information may be input either as part of a bibliographic record or as a separate Holdings record. The information may include:

- Copy-specific information for an item
- Information that is specific to the holding organisation
- Information that is needed for local processing, maintenance or preservation of the item
- Version information

Very few libraries currently receive holdings data (31% of Public libraries receive holdings data as part of EDI transactions). When asked to evaluate the importance of receiving this data the following results were obtained:

- Essential
  - Public – 27%
  - Special – 44%
- Important
  - Academic – 24%
  - Public – 27%
  - Special – 28%

One Academic library noted that it might be useful for ILL.

**Community information** – Community information records (in MARC 21) are designed to hold descriptions of non-bibliographic resources that fulfil the information needs of a community. Five kinds of information records are identified:

- Individual – data about an individual with particular expertise (eg: storyteller, civic leader)
- Organisation – data about an organisation or group (eg: corporation, club)
- Event – data about a scheduled event (eg: lecture, regularly scheduled meeting)
- Other – data about a community resource other than above (eg: about a facility like a planetarium on a university campus)

No libraries currently receive community information and several were unsure what it was. The evaluation of its importance gave results as follows:

- Essential
  - Academic – 6%
  - Public - 6%
  
- Important
  - Public - 31%
  - Special – 12%

**Authority data** – An Authority record is designed to be a carrier for information concerning names and subjects that are used as access points in MARC records. It contains the authorised form of a name, together with any cross-references from other forms. ‘Name’ can mean personal name, meeting, corporate body and uniform title.

**Note:** ‘Uniform title’ is a standardised title used to bring together records for the same work but with differing title pages – used mainly for literature and music.

Eg: Beethoven’s fifth symphony may have a title page title of ‘Symphony no. 5’ or ‘Fifth Symphony’. A Uniform title of ‘Symphonies, no. 5’ would be created for both records.

Half of the libraries in the Academic and Special sectors currently receive authority data (only 19% of Public libraries). Some libraries use the British Library’s Name Authority List or Library of Congress Authorities to establish forms of name and one library stated that they no longer have time to check incoming data and so they now get duplicate entries on their catalogue.

Libraries that currently do not receive Authority data responded as follows when asked to evaluate its importance:

- Essential
  - Academic – 19%
  - Public - 8%
  - Special - 60%
  
- Important
  - Academic – 31%
  - Public - 61%
  - Special - 40%

**Format of data** - Libraries were then asked to evaluate the format of data within a bibliographic record.

The final question in this section, about recording the height of an item in cm or mm, was not considered important by any library sector.

The results for the other questions are as follows:

- Titles appearing with no capitalisation (apart from the first word – ie: ‘sentence’ case)
  - Essential
    - Academic – 65%
    - Public - 44%
    - Special - 25%
  - Important
    - Academic – 29%
    - Public - 44%
    - Special - 50%
  
- Restriction of added entries to three contributors
  - Essential
    - Academic – 24%
    - Public - 25%
    - Special - 12%
  - Important
    - Academic – 29%
    - Public - 19%
    - Special - 12%

- Duplication of textual and coded data elements (the same information appearing as code and text within a bibliographic record)
  - Essential
    - Academic – 29%
    - Public - 6%
    - Special - 25%
  - Important
    - Academic – 29%
    - Public - 31%
    - Special - 37%

Some libraries commented that consistency of data is most important.

**Redundant data** - Several elements of bibliographic records are considered redundant by libraries. However, there is little consensus between types of library. Elements cited include:

- Physical format information (particularly for books)
- Duplicate data in Control number and ISBN fields (in systems where the ISBN is used for the Control number field – some systems allocate a System Control number)
- Some of the coded data (it appears as text elsewhere in the record) Note: this is directly contrary to the result in section ‘Format of data’ for the question about retaining duplication of textual and coded data elements

Libraries also pointed out that some information is redundant in computerised systems eg:

- Distinction between main/added entries\*
- Use of indicators ‘10’ and ‘30’ in the title field\*

\* Cataloguing Rules state that a ‘Main’ entry must be identified for any record – either author (where ‘author’ may be personal, corporate body or meeting), or, if no author can be discerned (several rules are given to explain this), title. Once this decision is made any other required author entries become ‘added’ entries. There are different MARC fields used for main and added authors (1XX for main, 7XX for added) and different indicators used for titles (‘30’ – title main entry, ‘10’ - author is main entry). This was important in printed catalogues where displays were different for ‘main’ entries and ‘added’ entries. In OPACs this is not normally the case.

**Importance of data** - Finally Part II, libraries were asked to evaluate the importance of certain data within bibliographic records.

Several elements were not considered important by any library sector. The elements that were considered important were:

- Supplier details (essential for record suppliers, publishers, grey literature, provenance)
  - Essential
    - Academic – 6%
    - Public – 19%
    - Special – 37%
  - Important
    - Academic – 29%
    - Public – 44%
    - Special – 25%
  
- Summary/abstract (for videos/films, for library's specialist subject area)
  - Essential
    - Public – 6%
    - Special – 12%
  - Important
    - Academic – 71%
    - Public – 44%
    - Special – 63%
  
- Updated price information
  - Essential
    - Academic – 24%
    - Public – 37%
    - Special – 25%
  - Important
    - Academic – 29%
    - Public – 44%
    - Special – 12%

- Number of components
  - Essential
    - Academic – 65%
    - Public - 50%
    - Special - 63%
  - Important
    - Academic – 29%
    - Public - 50%
    - Special - 25%
  
- Record status (code that indicates the relationship of the record to the file – new, changed, deleted)
  - Essential
    - Academic – 41%
    - Public - 25%
    - Special - 37%
  - Important
    - Academic – 47%
    - Public - 56%
    - Special - 63%
  
- Type of material (code that indicates the type of material described by the record eg: Language material, printed; Music, printed)
  - Essential
    - Academic – 82%
    - Public - 94%
    - Special - 50%
  - Important
    - Academic – 18%
    - Public - 6%
    - Special - 50%

One Academic library stated that pagination is important.

### **Part III**

39 libraries evaluated the ONIX elements and made comments on the format. Some libraries stated that they had problems understanding the meaning of some of the elements and that it was difficult to envisage the use of fields that are not currently available in MARC.

Comments on the current format included:

- Contributor statement – important if there are multiple contributors
- Language – important if NOT English
- Pagination – important for Early and Fine printing
- Numbers of illustrations – important for art books
- Overall height – essential for items over 26cm

**Elements in ONIX but not in MARC.** Generally libraries did not evaluate elements that are not currently available in MARC 21 as essential or important (some elements may, however, not be available in UKMARC).

The following elements are not available in MARC and were evaluated as essential or important by 50% or more libraries in one library sector.

- Download copyright notice (f121)
  - Essential
    - Academic – 20%
    - Public - 7 %
    - Special - 37%
  - Important
    - Academic – 20%
    - Public - 7%
    - Special - 25%

- Download terms (f122)
  - Essential
    - Academic – 20%
    - Public - 7%
    - Special - 37%
  - Important
    - Academic – 20%
    - Public - 7%
    - Special - 25%
  
- Expected availability date (j142)
  - Essential
    - Academic – 20%
    - Public - 27%
    - Special - 12%
  - Important
    - Academic – 33%
    - Public - 13%
    - Special - 12%

**Added elements** - Libraries were also asked to give details of data elements that should be added to the ONIX format. Suggestions included:

- Extra elements for the Reveal format (standard for alternative format material - used for the visually impaired). Reveal uses most of the current MARC 21 fields.
- Extra elements for special materials and materials not commercially available (eg: manuscripts, rare books) – more important for creating database records than for data transmission from other sources
- Place of publication (only country is currently specified)
- Uniform or ‘standardised’ title for music and literature (used to bring together works that may have different title-page titles – full explanation in the section on ‘Authority data’)
- Multi-level description (special fields used in UKMARC to record parts/volumes of a multipart item)
- Hotlinks to internet/intranet and links to digitised resources
- Inclusion of other classification schemes

Note: some of these suggestions have been included in ONIX 1.2.

Libraries also noted that it is important for nothing to be excluded from the format (libraries can always suppress it) or to be inflexible, and one library commented that Authority Control had not been mentioned in the questionnaire.

### *Questionnaire – Initial Analysis*

The libraries who responded to this survey are clearly interested in the possibility of using a new format for bibliographic data and are keen for it to have the flexibility lacking in the MARC format. However, they find it difficult to consider the importance of elements outside the scope of MARC and they are also probably restricted by the capabilities, or otherwise, of their current library system.

Noticeably libraries are not considering ONIX simply as a possible transmission format but also as a format for creating data in their own libraries. This suggests that libraries are now happy to consider the possibility of using formats other than MARC.

Libraries are not only concerned about the elements they receive, but also about the format of the data – note the responses to questions 5g about capitalisation of title fields or ‘sentence case’, and the fact that Name Headings’ are some of the most commonly changed fields in data received from external sources. However, the book trade might argue that libraries accept the data they currently produce so why change?

In principle libraries will be happy to accept records in the ONIX format in the future, however there are still issues that need to be resolved before ONIX will be considered feasible as a transmission format between the book trade and libraries in the UK:

1. The questionnaire did not receive enough detail about requirements for some specialist material – eg: music, art, materials for the blind.
2. Libraries and the book trade will need to discuss any format differences – Names and Titles are clearly shown as problems. Some of these problems may be addressed by intermediaries (eg: data providers like BDS, BookData etc, or system suppliers) but some trade practices may need to be accepted by libraries.

3. Certain areas of MARC that are not currently in the ONIX format will need to be included. Libraries clearly require:
  - Supplier details
  - Summary/abstract
  - Updated price information
  - Number of components
  - Record status
  - Type of material

(details in 'Importance of data' section)

4. Authority Control (using an agreed form of name for each author to prevent duplication of author entries in a library system – also used for uniform titles) is a known issue for libraries. Publishers input the name as it appears on the book whereas libraries either refer to a published Name Authority list to identify the correct form of name or have locally produced authority control procedures. This problem may be addressed by data providers as in (2) and could make use of a unique 'Author number' in ONIX (eg: 1234 = Chaikovskii, Tchaikovsky, Tschaikovsky – same author but several spellings!).
5. It will be necessary to consider the possibility of using ONIX as a format to transmit data other than strictly 'bibliographic' eg: Holdings and Authority data – both considered to be important by some or all sectors of the library community.
6. The ONIX format must be developed in a flexible way. Even if it is first used as a transmission format it is clear that libraries are also considering its wider use (ie: as a cataloguing format for creating records for their database – a replacement for MARC).

However, most importantly, the results show libraries are enthusiastic about the concept of ONIX and are keen to take part in its development.

## ***Questionnaire – Focus Group Analysis***

The Focus Group discussed the findings of the questionnaire. Some of the areas of concern have now been resolved in ONIX and these were reported to the group. The results of the deliberations of the Focus Group are given below. The headings refer back to the sections in ‘Results’ and ‘Initial Analysis’.

### **Questionnaire – Initial Analysis**

1. The initial finding that UK libraries were considering ONIX as a possible replacement for MARC had been challenged as ‘overstating the case’ but the Focus Group reaffirmed the finding. The following reasons for this finding were suggested:
  - a. UK libraries are currently in a state of flux. The decision to move from UKMARC has been agreed and libraries are taking the opportunity to evaluate all possible alternatives and not just MARC21.
  - b. The possibility of being able to create and embed extra data (eg: graphics) in ONIX. This would be particularly useful for creating records for special materials – where no records would be available through the book trade – eg: art originals, archive material. It would allow access to an image through an OPAC which should result in less handling of the original.
  - c. It was considered that ONIX would be more flexible than MARC. In particular, cataloguing of all artefacts (useful both in trade – mention was made of Amazon selling jeans! – and libraries, museums etc.) – handled better in MARC21 than UKMARC – could be considered in future ONIX developments.
  - d. More general use of XML may influence the decision to move to ONIX.
2. The importance of being able to map to and from formats other than MARC was emphasised. This is a particular issue for authorities that are harmonizing cultural services – to allow access to all available databases (eg: libraries, museums, public record offices).

3. Authority Control. It was reported that there is a proposal for a project to look at the interoperability of the currently available Name Authority databases (project name: 'Interparty'\*). This may result in a database that could be accessed by data providers and would provide standard forms of names for all areas of the book trade. Concern was expressed as to whether all areas of the book trade would embrace Authority Control unless it results in more sales (or, not embracing it results in fewer sales).

\* the members of the 'Interparty' consortium are: Book Data; British Library; CNRI; EDItEUR; International DOI Foundation; Kapiosto; IFLA UBCIM; Library of Congress; Royal Library (Sweden). EDItEUR is the coordinating partner; the work package coordinators are: Book Data; EDItEUR; BL; IDF; Kapiosto.

### **MARC elements not currently available in ONIX** (list on p.20)

1. Supplier details. David Martin reported that it is possible to input coded identity and address. The source of the data may also be added as required.
2. The following elements are now available in ONIX:
  - a. Summary/abstract
  - b. Updated price information
  - c. Number of components
  - d. Record status
3. Type of material. Some codes are now available in ONIX. Developers will check that all those in MARC21 are made available. Concern was expressed that there may be some conflict between the trade and libraries in defining the types. There may be areas where definitions overlap but are not co-extensive, which would mean there was not a simple one-to-one mapping. It was suggested that formal cooperation between the governing bodies of MARC21 and ONIX should be set up in order to avoid possible problems.
4. Use of indicators in MARC was also discussed. Indicators appear in the first 2 character positions in variable data fields and each contains a value which interprets or supplements the data found in the field. David Martin suggested that XML attributes may be used in ONIX.

### **Added elements in ONIX** (p. 18)

1. Elements required for special materials and materials not commercially available (including those for the Reveal format). It was agreed that more work was needed to define the requirements in these areas.
2. The following elements are now available in ONIX:
  - a. Place of publication
  - b. Uniform or 'standardised' title
3. Multi-level description. This has been included as part of ONIX serials development (down to article level).
4. Hotlinks. Some are currently specified in ONIX and more can be added.
5. Classification schemes. Codes for schemes may be registered with ONIX and there is also provision for local schemes if required.

### **Holdings data** (p.11)

This was considered to be necessary as an ONIX development. It is already being investigated as part of serials development.

### **Community information** (p.11)

The UK government is already using Dublin Core and other XML formats are being used by other organisations. This was considered to be another example of the importance of being able to map to and from ONIX.

### **Authority data** (p.12)

The importance was stressed of the proposed authorities database (see 'Questionnaire – Initial Analysis' no. 3 in this section) being in an XML format compatible with ONIX. This would allow libraries to access or download data as required.

### **Format of data** (p.12-13)

1. **Titles.** David Martin reported that it is possible to specify, within the ONIX record, how titles will be formatted (eg: 'sentence' or 'title' case). Libraries will then be able to decide how they handle different formats.

2. **Added entries.** Alan Danskin (British Library) suggested that the British Library would try to get the current AACR restriction to 3 entries changed if that was the feeling of the meeting. It was agreed that he should try to get the proposal included in a future AACR meeting. David Martin reported that it is possible to flag the number of contributors in the ONIX record and there is a code 'et al' to indicate that contributor names have been omitted. It was stated that some libraries may not wish to include more than 3 contributors even if the AACR rule were to change.
3. **Duplication of text/code.** It was suggested that ONIX should handle codes where possible and that translations would be supplied by the library system as required. Some concern was expressed that more mistakes can be made inputting codes rather than text.

It was agreed that the Focus Group would continue essentially as an e-mail group – to give views on ONIX developments when required. Further meetings would be arranged as necessary.

## *Conclusions*

The Focus Group confirmed the view that UK libraries are interested in the development of ONIX as more than just a transmission format. The libraries expect ONIX to be more flexible than MARC and to fit more easily within the current XML developments.

Several areas for development have been identified during the project:

1. Mapping between ONIX and other formats (including MARC).
2. Elements to cover the cataloguing of all artefacts (eg: museum exhibits).
3. Elements for special materials and materials not commercially available (including requirements for the Reveal format).
4. Using ONIX as a format to transmit data other than strictly 'bibliographic' eg: Holdings and Authority data – both considered to be important by some or all sectors of the library community.

Many of the extra elements requested in the survey have been included in later versions of ONIX. There is, however, still some work to do for Type of Material. Some codes are now available but it is important to libraries that codes available in MARC21 should be available in ONIX. This should be approached with caution – it is quite possible that there will be differences between the definitions used by the book trade and those used by

libraries which will not allow a one-to-one mapping (outlined in 'Focus Group Analysis'). There needs to be cooperation between the governing bodies of MARC21 and ONIX to avoid potential problems in this area.

The format of data in ONIX is also now being addressed. The possible setting up of an authorities database was well received by the Focus Group although doubts were expressed as to whether all areas of the book trade would use it (unless financially to their advantage). The issue of capitalisation in title fields may be partly solved with the ability to specify how titles in ONIX records have been formatted. Libraries will then be able to decide how they download particular records.

Libraries make use of Cataloguing Rules and Minimum input instructions and MARC manuals. These are lacking in ONIX and may need to be produced in the future, particularly if libraries use ONIX for creating their own data. These may be produced by the same bodies as now – Cataloguing rules to handle any cataloguing rules required by ONIX and ONIX user manuals (for library use) will probably be produced by national bodies (eg: British Library, Library of Congress) and minimum input instructions by database providers or national bodies.

The Focus Group agreed that ONIX would, where possible, handle coded data and that library systems would translate this to text where required. Some concern was expressed that it was easier to make mistakes when inputting a code rather than text. This might be partly solved by the system (whether in the library or trade sector) translating the input code to text before the operator is allowed to exit the screen.

It will be necessary to convince Library Systems Suppliers of the importance of ONIX because they will need to implement any required software changes.

The analysis of the Focus Group reinforced the initial findings that libraries are very enthusiastic about ONIX and want to see it develop in the most flexible way possible. To this end, the Focus Group will remain as a group to be contacted for their views on future ONIX developments.

## **Recommendations for Further Study**

Further work is required to refine the requirements of specialist material (eg: music, art, materials for the blind). It would be useful to involve some of the specialist libraries and organisations in this process.

The area of Holdings data requires further study. Although this is being investigated as part of serials development, the Focus Group thought that a more general investigation into the requirements of libraries was needed.

Discussions should be held with Library Systems Suppliers to ensure they are familiar with, and aware of the importance of, the ONIX format.

## **Acknowledgements**

I would like to thank all of the libraries who returned questionnaires for their time and effort. Without them it would not have been possible! I would also like to thank all of the people who helped with the devising of the questionnaire – in particular the members of the BIC ‘Bibliographic Standards Technical Subgroup’. Finally, I must thank the following members of the Focus Group who attended the first meeting and whose deliberations are included in this project:

David Bevington, Middlesex University  
Robina Clayphan, British Library  
Alan Danskin, British Library  
Stuart Ede, British Library  
Alison Felstead, Bodleian Library, Oxford  
Mark Field, Library Association  
Brian Green, BIC  
Wendy Hall, National Library for the Blind  
Heather Jardine, Corporation of London Libraries  
David Martin, BIC  
Stephen Mercer, Bradford University  
Ann Selwood, National Library of Wales  
Marie Stanford, Birmingham Libraries  
Diane Tough, Natural History Museum  
Terry Willan, Talis

## Appendix 1

This appendix contains a summary of the results contained in questionnaires returned from the following ACADEMIC libraries (18 in total):

**Bodleian Library, University of Oxford**  
**Cambridge University Library**  
**Cheltenham and Gloucester College of Higher Education**  
**Edge Hill**  
**Edinburgh University Library**  
**Middlesex University**  
**Open University**  
**Queen's University Belfast**  
**University College London**  
**University of Bath**  
**University of Bradford**  
**University of Brighton**  
**University of Central England in Birmingham**  
**University of North London**  
**University of Northumbria at Newcastle**  
**University of Ulster**  
**University of Wales Bangor**  
**University of Wolverhampton**

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### 2. General Cataloguing Information

a) Which of the following materials are held in your library?

Books – fiction.....**88%**.....  
Books – non-fiction...**100%**.....  
Serials.....**100%**.....  
Music (manuscripts, scores).....**71%**.....  
Audio/Visual.....**100%**.....  
Cartographic.....**82%**.....

Electronic resources.....**100%**.....

Visual material (eg: prints, slides, filmstrips).....**82%**.....

Tactile material.....**24%**.....

Multi-media..... **94%**.....

Other ..... **Manuscripts, microforms, archives**

b) What format do you use?

| MARC21     | UKMARC     | UNIMARC |
|------------|------------|---------|
| <b>29%</b> | <b>71%</b> |         |

c) What Cataloguing Rules do you use?

| AACR2      | ISBD |
|------------|------|
| <b>94%</b> |      |

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## Part II – Current Practice

### 3. Bibliographic data from external sources

a) Do you currently receive bibliographic data from external sources  
(eg: booksellers, Whitaker, British Library)?

| Yes        | No        |
|------------|-----------|
| <b>94%</b> | <b>6%</b> |

(if NO please go to question 3 (h))

b) In what format are these records received?

| MARC        | SUTRS | ONIX | EDI       | Dublin Core |
|-------------|-------|------|-----------|-------------|
| <b>100%</b> |       |      | <b>6%</b> | <b>6%</b>   |

In questions (c), (e) and (f) please specify UKMARC or MARC21 fields/subfields and/or give a brief description. If you are able to supply examples from your database please do so.

c) What data elements do you add to these records? Please indicate if data elements are added for specific materials (eg: Key – music, AV)

**Fields required for minimum input standards (Talis/CURL/MARC21/AACR2 specified)**

**Series information**

**Extra notes fields (including 513 – summary – used for sub content of AV material)**

**Subject headings and subject index terms**

**Specific material designation (for AV and computer files)**

**Added author and title entries**

**Descriptive details (eg: subtitle, pagination)**

**Classification numbers**

**Library of Congress BDRB for rare books**

**Table of Contents data**

**Library specific data**

**Holdings**

**Access points**

**Classification numbers**

**Keywords**

**Local Subject fields (eg: for videos)**

d) Please specify why these elements are added?

| AACR2 required | System requirement | Enhance access | Enrich record |
|----------------|--------------------|----------------|---------------|
| 31%            | 19%                | 81%            | 56%           |

Other (please specify).....**Unique collection notes, minimum input standards**

e) What data elements do you delete from these records?

**MARC 21 – fields 012, 019, 029, 069, 090, 092, 097, 249, 590-592, 849, 852, 859, 876, 886, 890, 898, 9XX**

**001 control numbers**

**Field 021 (when duplicate of 001)**

**Classification numbers**

**Local Library of Congress record fields (010, 035, 050)**

**Library of Congress admin fields (9XX)**

**MARC 21 – unwanted/inappropriate URLs (field 856)**

**Electronic link fields**

**Indexed in field (510 for serials)**

**Field 513 (summary)**

**Poor quality Physical Description fields**

**Data considered irrelevant or unnecessary (eg: Price, field 689)**

**Note: some data is suppressed from OPAC display rather than deleted**

f) What data elements do you change in these records?

**Errors – as defined by AACR2, MARC21, UKMARC, minimum input standards**

**MARC 21 – URL if applicable (for electronic journals etc.)**

**Name headings – either to local or British Library/Library of Congress standards**

**Adjust for different editions**

**Field 400 changed to 440, 410 to 490**

g) Please specify why these elements are changed?

| AACR2 required | System requirement | Enhance access | Enrich record |
|----------------|--------------------|----------------|---------------|
| <b>44%</b>     | <b>37%</b>         | <b>44%</b>     | <b>31%</b>    |

Other (please specify) **Consistency, Library of Congress subject heading standards**

h) What is the reason for not using bibliographic records from external sources?

| System related | Supply related | Quality related | Quicker to create record from scratch |
|----------------|----------------|-----------------|---------------------------------------|
| <b>6%</b>      | <b>12%</b>     | <b>6%</b>       |                                       |

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#### **4. Creating bibliographic records from scratch**

a) What percentage of your bibliographic records are created from scratch?

**Range from 5-100%**

**Majority under 20%**

b) Do you follow a minimum input standard for records created from scratch?

| Yes         | No |
|-------------|----|
| <b>100%</b> |    |

If YES please specify fields/subfields (or enclose the relevant guidelines)

**Standards include Talis or CURL minimum input standards, AACR level 2, OCLC level 1. The following (UKMARC) fields are included:**

**001, 008, 020, 021, 022, 040, 041, 082, 1XX, 24X, 250, 260, 300, 440, 490, 5XX, 6XX, 7XX, 8XX**

**Library of Congress Subject Headings**

**Specific 5XX fields for AV material**

**ID numbers for course material**

**Field 505 – used for footage description for videos**

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## 5. Scope of the bibliographic record

**Please consider the questions in this section with reference to the various requirements of your library – eg: for data retrieval, acquisitions, OPAC – as well as the requirements of different materials.**

a) If you receive bibliographic data from an external source, do you receive holdings information (ie: data specific to your organisation eg: barcode, shelfmark) in this format?

| Yes | No          |
|-----|-------------|
|     | <b>100%</b> |

b) If you answered NO to (a) or do not receive data from an external source, please evaluate the importance of receiving/creating holdings data in a bibliographic data format?

| Essential | Important  | Not important |
|-----------|------------|---------------|
|           | <b>24%</b> | <b>53%</b>    |

c) If you receive bibliographic data from an external source, do you receive community information (eg: data relating to local individuals, organisations, events or services) in this format?

| Yes | No          |
|-----|-------------|
|     | <b>100%</b> |

d) If you answered NO to (c) or do not receive data from an external source, please evaluate the importance of receiving/creating community information in a bibliographic data format?

| Essential | Important | Not important |
|-----------|-----------|---------------|
| <b>6%</b> |           | <b>44%</b>    |

e) If you receive bibliographic data from an external source, do you receive authority data (ie: data specifying an accepted form of heading together with any cross references) in this format?

| Yes        | No         |
|------------|------------|
| <b>50%</b> | <b>41%</b> |

f) If you answered NO to (e) or do not receive data from an external source, please evaluate the importance of receiving/creating authority data in a bibliographic data format?

| Essential  | Important  | Not important |
|------------|------------|---------------|
| <b>19%</b> | <b>31%</b> |               |

g) How important are the following within a bibliographic record?

|  | Essential  | Important  | Not important |
|--|------------|------------|---------------|
| Use of “sentence case” for titles? (eg: ‘Understanding computer systems architecture’ as opposed to “title case” where it would appear as ‘Understanding Computer Systems Architecture’) | <b>65%</b> | <b>29%</b> |               |
| Restriction of added entries to 3 contributors   | <b>24%</b> | <b>29%</b> | <b>41%</b>    |
| Duplication of textual and coded data elements   | <b>29%</b> | <b>29%</b> | <b>12%</b>    |
| Height in cm rather than mm  | <b>12%</b> | <b>24%</b> | <b>47%</b>    |

h) Are there any elements appearing in bibliographic records that you think are redundant? Please give reasons.

**Coded 9XX fields - misleading**

**Duplicate 001/021 – create system problems**

**Some 008 data – of limited value**

**ISBNs of related works – create system problems**

**Distinction between main/added entries – redundant in computerised systems**

**Uniform title (except for languages and literature) – confusing in OPAC**

**Statements of responsibility for single authorship**

**Physical format for books**

**Illustrative matter, height and extent**

**Some notes fields (eg: bibliography and index notes – do not affect usage)**

i) Please evaluate the following as a component of a bibliographic record:

|   | Essential | Important | Not important |
|---|-----------|-----------|---------------|
| Supplier details                            | 6%        | 29%       | 65%           |
| Summary/abstract                            |           | 71%       | 29%           |
| Updated price information                   | 24%       | 29%       | 47%           |
| Width and thickness of an item              |           | 18%       | 82%           |
| Weight of an item                           |           |           | 100%          |
| Number of components                        | 65%       | 29%       |               |
| Vendor packaging details                    |           | 6%        | 94%           |
| Point of sale material                      |           |           | 100%          |
| Record status (ie: new, change, delete)     | 41%       | 47%       | 6%            |
| Type of material (eg: music, printed; kits) | 82%       | 18%       |               |

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## Part III – Evaluation of ONIX

### 6. ONIX (16 responses to this section)

| DATA ELEMENT                                 | ESSENTIAL   | IMPORTANT  |
|--|-------------|------------|
| <b>Record reference number and type</b>      |             |            |
| Record reference number                      | <b>60%</b>  | <b>13%</b> |
| Notification or update type code             | <b>27%</b>  | <b>27%</b> |
| <b>Product numbers</b>                       |             |            |
| ISBN   | <b>100%</b> |            |
| EAN-13 number                                | <b>27%</b>  | <b>20%</b> |
| UPC  |             |            |
| Publisher's product number                   | <b>20%</b>  | <b>33%</b> |
| ISMN   | <b>40%</b>  | <b>27%</b> |
| DOI  | <b>20%</b>  | <b>33%</b> |
| Replaces ISBN                                | <b>33%</b>  | <b>33%</b> |
| Replaces EAN-13 number                       | <b>13%</b>  | <b>13%</b> |
| <b>Product form</b>                          |             |            |
| Product form code                            | <b>13%</b>  | <b>27%</b> |
| Product form detail (repeatable)             | <b>7%</b>   | <b>33%</b> |
| Product form description                     | <b>7%</b>   | <b>47%</b> |
| <i>Contained-item composite (repeatable)</i> |             |            |
| Contained ISBN                               | <b>13%</b>  | <b>33%</b> |
| Contained EAN-13 number                      | <b>7%</b>   | <b>20%</b> |
| Contained item form code                     | <b>7%</b>   | <b>20%</b> |
| Contained item form detail                   | <b>7%</b>   | <b>20%</b> |
| Contained item form description              | <b>7%</b>   | <b>20%</b> |
| Contained item quantity                      | <b>7%</b>   | <b>27%</b> |
| <i>End of contained-item composite</i>       |             |            |
| <b>Series</b>                                |             |            |
| <i>Series composite (repeatable)</i>         |             |            |
| ISSN of series                               | <b>60%</b>  | <b>27%</b> |
| Publisher's series code                      | <b>7%</b>   | <b>20%</b> |
| Series title                                 | <b>100%</b> |            |
| Number within series                         | <b>93%</b>  | <b>7%</b>  |
| Year of annual                               | <b>100%</b> |            |
| <i>End of series composite</i>               |             |            |

| DATA ELEMENT                              | ESSENTIAL | IMPORTANT |
|---|-----------|-----------|
| <b>Set</b>                                |           |           |
| <i>Set composite (repeatable)</i>         |           |           |
| ISBN of set                               | 80%       | 13%       |
| EAN-13 number of set                      | 20%       | 13%       |
| Title of set                              | 67%       | 27%       |
| Set part number                           | 67%       | 27%       |
| Set part title                            | 73%       | 20%       |
| Number within set (volume number)         | 73%       | 20%       |
| <i>End of set composite</i>               |           |           |
|   |           |           |
| <b>Title</b>                              |           |           |
| Text case flag                            |           | 13%       |
| Distinctive title of product              | 100%      |           |
| Title prefix                              | 73%       | 27%       |
| Title text without prefix                 | 60%       | 7%        |
| Subtitle of product                       | 93%       | 7%        |
| Translation of title                      | 40%       | 47%       |
| Former title (repeatable)                 | 40%       | 53%       |
|   |           |           |
| <b>Authorship</b>                         |           |           |
| <i>Contributor composite (repeatable)</i> |           |           |
| Contributor sequence number               | 7%        | 20%       |
| Contributor role                          | 20%       | 33%       |
| Person name                               | 80%       | 7%        |
| Person name, inverted                     | 80%       | 7%        |
| Person name part 1                        | 40%       | 7%        |
| Person name part 2                        | 47%       | 13%       |
| Person name part 3                        | 47%       | 13%       |
| Person name part 4                        | 13%       | 20%       |
| Person name part 5                        | 7%        | 13%       |
| Person name part 6                        | 7%        | 20%       |
| Professional position                     | 7%        | 27%       |
| Affiliation                               | 7%        | 27%       |
| Corporate contributor name                | 80%       | 13%       |
| Biographical note                         | 7%        | 53%       |
| Contributor description                   | 13%       | 47%       |
| <i>End of contributor composite</i>       |           |           |
| Contributor statement                     | 33%       | 33%       |
|   |           |           |
| <b>Conference</b>                         |           |           |
| Conference description                    | 27%       | 47%       |
| Conference role                           | 40%       | 18%       |
| Conference name                           | 100%      |           |
| Conference number                         | 100%      |           |

| <b>DATA ELEMENT</b>            | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|--------------------------------|------------------|------------------|
| Conference date                | 93%              | 7%               |
| Conference place               | 93%              | 7%               |
| <b>Edition</b>                 |                  |                  |
| Edition type code (repeatable) | 20%              | 27%              |
| Edition number                 | 100%             |                  |
| Edition statement              | 93%              | 7%               |

|                                      |     |     |
|--------------------------------------|-----|-----|
| <b>Language</b>                      |     |     |
| Language of text (repeatable)        | 80% | 20% |
| Original language (of translation)   | 33% | 67% |
| <b>Pagination and other content</b>  |     |     |
| Number of pages                      | 53% | 47% |
| Number of illustrations              | 20% | 27% |
| Illustrations and other content note | 33% | 60% |
| Map scale                            | 60% | 27% |
| <b>Subject</b>                       |     |     |
| BASIC main subject category          | 13% | 20% |
| BIC main subject category            | 13% | 20% |
| BIC subject category version number  |     | 20% |

|  |     |     |
|--|-----|-----|
| <i>Main-subject composite</i>                    |     |     |
| Main subject scheme identifier                   | 33% | 40% |
| Subject scheme version number                    | 13% | 40% |
| Subject code                                     | 7%  | 27% |
| Subject heading text                             | 73% | 20% |
| <i>End of main-subject composite</i>             |     |     |
| <i>Additional-subject composite (repeatable)</i> |     |     |
| Additional subject scheme identifier             | 33% | 40% |
| Additional subject scheme version number         | 13% | 40% |
| Additional subject code                          | 13% | 20% |
| Additional subject heading text                  | 47% | 33% |
| <i>End of additional-subject composite</i>       |     |     |
| <i>Person-as-subject composite (repeatable)</i>  |     |     |
| Name elements from 'Authorship' as req.          | 93% | 7%  |
| <i>End of person-as-subject composite</i>        |     |     |
| Corporate body as subject (repeatable)           | 87% | 13% |
| Place as subject (repeatable)                    | 67% | 20% |
|  |     |     |
|  |     |     |

| <b>DATA ELEMENT</b>                      | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|--|------------------|------------------|
| <b>Audience/readership</b>               |                  |                  |
| Audience code (repeatable)               |                  | 47%              |
| US School Grade(s)                       |                  | 13%              |
| Interest age(s)                          | 7%               | 33%              |
| <i>Audience-range composite</i>          |                  |                  |
| Audience “numeric range” qualifier       |                  | 20%              |
| Audience “numeric range” precision       |                  | 20%              |
| Audience “numeric range” value           |                  | 20%              |
| <i>End of audience-range composite</i>   |                  |                  |
| <i>Complexity composite (repeatable)</i> |                  |                  |
| Complexity scheme identifier             |                  | 20%              |
| Complexity code                          |                  | 20%              |
| <i>End of complexity composite</i>       |                  |                  |
| <b>Publisher information</b>             |                  |                  |
| Imprint or brand name                    | 60%              | 13%              |
| Imprint or brand code                    | 13%              | 7%               |
| Publisher name                           | 100%             |                  |
| Publisher code                           | 7%               | 13%              |
| Country of publication                   | 80%              | 7%               |
| Co-publisher (repeatable)                | 47%              | 33%              |
| Sponsor (repeatable)                     | 7%               | 40%              |

|                                       |      |     |
|---------------------------------------|------|-----|
| <b>Publishing dates</b>               |      |     |
| Announcement date                     | 13%  | 13% |
| Publication date                      | 100% |     |
| Copyright date                        | 47%  | 40% |
| Year first published                  | 53%  | 33% |
| <b>Territorial rights</b>             |      |     |
| <i>Rights composite (repeatable)</i>  |      |     |
| Rights type code                      | 20%  | 7%  |
| Rights country (repeatable)           | 13%  | 20% |
| <i>End of rights composite</i>        |      |     |
| <b>Dimensions</b>                     |      |     |
| <i>Measure composite (repeatable)</i> |      |     |
| Measure type code                     | 7%   | 33% |
| Measurement                           | 13%  | 33% |
| Measure unit code                     | 7%   | 33% |
| <i>End of measure composite</i>       |      |     |
| Overall height                        | 33%  | 53% |
| Overall width                         | 7%   | 27% |
| Overall thickness                     |      | 20% |

| <b>DATA ELEMENT</b>                                  | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|--|------------------|------------------|
| Unit weight  |                  | 13%              |
| <b>Description and other supporting text</b>         |                  |                  |
| Annotation   | 13%              | 27%              |
| Main description                                     | 7%               | 47%              |
| <i>Other-text composite (repeatable)</i>             |                  |                  |
| Other text type code                                 | 13%              | 33%              |
| Other text format                                    |                  | 27%              |
| Other text   | 7%               | 40%              |
| Other text link type                                 | 13%              | 33%              |
| Other text link                                      | 13%              | 33%              |
| <i>End of other-text composite</i>                   |                  |                  |
| Review quote (repeatable)                            |                  | 27%              |
| <b>Links to image/audio/video files</b>              |                  |                  |
| Front cover image file format code                   | 13%              | 27%              |
| Front cover image file link type code                | 13%              | 27%              |
| Front cover image file link                          | 13%              | 40%              |
| <i>Image/audio/video-file composite (repeatable)</i> |                  |                  |
| Image/audio/video file type code                     | 13%              | 33%              |
| Image/audio/video file format code                   | 13%              | 33%              |
| Image/audio/video file link type                     | 13%              | 33%              |
| Image/audio/video file link                          | 27%              | 33%              |
| Text accompanying download                           | 27%              | 27%              |
| Download caption                                     | 13%              | 27%              |
| Download credit                                      | 13%              | 27%              |
| Download copyright notice                            | 20%              | 20%              |
| Download terms                                       | 20%              | 20%              |
| <i>End of image/audio/video-file composite</i>       |                  |                  |
| <i>Product website composite (repeatable)</i>        |                  |                  |
| Product website description                          | 13%              | 40%              |
| Link to product website                              | 27%              | 47%              |
| <i>End of product website composite</i>              |                  |                  |
| <b>Prizes</b>  |                  |                  |
| Prizes or awards description                         |                  | 13%              |
| <i>Prize-or-award composite (repeatable)</i>         |                  |                  |
| Prize or award name                                  |                  | 20%              |
| Prize or award year                                  |                  | 20%              |
| Prize or award country                               |                  | 20%              |
| Prize or award achievement code                      |                  | 13%              |
| <i>End of prize-or-award composite</i>               |                  |                  |
|  |                  |                  |
|  |                  |                  |

| <b>DATA ELEMENT</b>                                   | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|---|------------------|------------------|
| <b>Replaced-by and alternative-format</b>             |                  |                  |
| Replaced-by ISBN                                      | <b>40%</b>       | <b>7%</b>        |
| Replaced-by EAN-13 number                             | <b>7%</b>        | <b>13%</b>       |
| Alternative format ISBN                               | <b>20%</b>       | <b>33%</b>       |
| Alternative format EAN-13 number                      | <b>7%</b>        | <b>20%</b>       |
| Other alternative product ISBN                        | <b>13%</b>       | <b>27%</b>       |
| Other alternative product EAN-13 number               | <b>7%</b>        | <b>13%</b>       |
| Out-of-print date                                     | <b>20%</b>       | <b>27%</b>       |
| <b>Supplier and trade data</b>                        |                  |                  |
| <i>Supplier-and-trade-data composite (repeatable)</i> |                  |                  |
| Supplier EAN location number                          | <b>7%</b>        | <b>13%</b>       |
| Supplier SAN  | <b>20%</b>       | <b>13%</b>       |
| Supplier name   | <b>33%</b>       | <b>13%</b>       |
| Supply-to country                                     | <b>7%</b>        | <b>20%</b>       |
| Supply-to region                                      | <b>7%</b>        | <b>13%</b>       |
| Supply-to country excluded                            | <b>7%</b>        | <b>13%</b>       |
| Availability status code                              | <b>20%</b>       | <b>27%</b>       |
| Expected availability date                            | <b>20%</b>       | <b>33%</b>       |
| On sale date  | <b>13%</b>       | <b>27%</b>       |
| Order time  | <b>7%</b>        | <b>33%</b>       |
| Pack or carton quantity                               |                  | <b>20%</b>       |
| Audience restriction flag                             |                  | <b>20%</b>       |
| Audience restriction note                             | <b>7%</b>        | <b>13%</b>       |
| Unpriced item type                                    | <b>7%</b>        | <b>7%</b>        |
| Price amount  | <b>33%</b>       | <b>20%</b>       |
| <i>Price composite (repeatable)</i>                   |                  |                  |
| Price type code                                       | <b>20%</b>       | <b>7%</b>        |
| Class of trade code                                   | <b>7%</b>        | <b>7%</b>        |
| Discount group code                                   | <b>7%</b>        | <b>13%</b>       |
| Price amount  | <b>40%</b>       | <b>13%</b>       |
| Currency code   | <b>40%</b>       | <b>13%</b>       |
| Tax 1 rate, coded                                     |                  | <b>13%</b>       |
| Tax 1 rate, percent                                   |                  | <b>13%</b>       |
| Amount of price taxable at tax rate 1                 |                  | <b>13%</b>       |
| Tax amount at tax rate 1                              |                  | <b>13%</b>       |
| Tax rate 2, coded                                     |                  | <b>13%</b>       |
| Tax rate 2, percent                                   |                  | <b>13%</b>       |
| Amount of price taxable at tax rate 2                 |                  | <b>13%</b>       |
| Tax amount at tax rate 2                              |                  | <b>13%</b>       |
| Price effective from                                  | <b>7%</b>        | <b>20%</b>       |
| Price effective until                                 | <b>7%</b>        | <b>20%</b>       |
| <i>End of price composite</i>                         |                  |                  |
| <i>End of supplier-and-trade-data composite</i>       |                  |                  |

| <b>DATA ELEMENT</b>                 | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|-------------------------------------|------------------|------------------|
| <b>Sales promotion information</b>  |                  |                  |
| Promotion campaign information      |                  | 7%               |
| Promotion contact details           |                  | 13%              |
| Initial print run                   |                  | 20%              |
| Copies sold                         |                  | 7%               |
| Book club adoption                  |                  | 7%               |
| <b>Message header data elements</b> |                  |                  |
| Sender EAN number                   | 13%              | 7%               |
| Sender SAN                          | 20%              |                  |
| Sender company name                 | 20%              |                  |
| Sender contact                      | 7%               | 13%              |
| Addressee EAN number                | 13%              | 7%               |
| Addressee SAN                       | 20%              |                  |
| Addressee company name              | 20%              |                  |
| Addressee contact                   | 7%               | 13%              |
| Message sequence number             | 13%              | 7%               |
| Message repeat number               |                  | 13%              |
| Message creation date/time          | 13%              | 7%               |
| Message note                        |                  | 20%              |
| Default language of text            |                  | 13%              |
| Default price type                  |                  | 7%               |
| Default currency                    | 7%               | 13%              |
| Default linear unit                 |                  | 7%               |
| Default unit of weight              |                  | 7%               |
| Default class of trade              |                  | 13%              |

Please give details of any data elements you feel should be added to the current ONIX format.

**Multi-level description**

**Uniform or 'standardised' title for music and literature**

**Added title fields**

**Title added entries**

**General notes field**

**Place (as opposed to/as well as) Country of publication**

**Other classification schemes**

## Appendix 2

This appendix contains a summary of the results contained in questionnaires returned from the following PUBLIC libraries (16 in total):

**Bedfordshire Libraries**  
**Birmingham Library and Information Services**  
**Buckinghamshire County Library**  
**City of London Libraries**  
**City of Westminster**  
**Devon Library**  
**Essex County Council**  
**Highland Council**  
**Leicestershire Libraries**  
**London Borough of Enfield**  
**Norfolk County Library and Information Service**  
**Reading Borough Libraries**  
**South Lanarkshire Council**  
**Staffordshire Library and Information Services**  
**Suffolk County Council Libraries and Heritage**  
**Worcestershire County Council, Cultural Services**

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### 2. General Cataloguing Information

a) Which of the following materials are held in your library?

Books – fiction.....**100%**.....

Books – non-fiction...**100%**.....

Serials.....**94%**.....

Music (manuscripts, scores).....**100%**.....

Audio/Visual.....**100%**.....

Cartographic.....**100%**.....

Electronic resources.....**94%**.....

Visual material (eg: prints, slides, filmstrips).....**62%**.....

Tactile material.....**18%**.....

Multi-media..... **100%**.....

Other ..... **Jigsaw leaflets, playstations**

b) What format do you use?

| MARC21 | UKMARC     | UNIMARC |
|--------|------------|---------|
|        | <b>94%</b> |         |

Other (please specify)... **Basic in-house record format**

c) What Cataloguing Rules do you use?

| AACR2       | ISBD |
|-------------|------|
| <b>100%</b> |      |

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## Part II – Current Practice

### 3. Bibliographic data from external sources

a) Do you currently receive bibliographic data from external sources  
(eg: booksellers, Whitaker, British Library)?

| Yes         | No |
|-------------|----|
| <b>100%</b> |    |

(if NO please go to question 3 (h))

b) In what format are these records received?

| MARC        | SUTRS | ONIX | EDI       | Dublin Core |
|-------------|-------|------|-----------|-------------|
| <b>100%</b> |       |      | <b>6%</b> |             |

In questions (c), (e) and (f) please specify UKMARC or MARC21 fields/subfields and/or give a brief description. If you are able to supply examples from your database please do so.

c) What data elements do you add to these records? Please indicate if data elements are added for specific materials (eg: Key – music, AV)

**Extra data in field 008 (including Intellectual level (MARC 21))**  
**Extra notes fields (eg: 503 (Bibliographic history), 513 (summary), 514 (Title information), 521 (audience), 525 (accompanying material))**  
**Extra physical format information (eg: pagination, accompanying material)**  
**Edition information (eg: large print)**  
**Month of publication**  
**Added author and title entries**  
**Subject headings**  
**Series entries**  
**ISBN (field 021)**  
**Category information – (eg: for fiction, non-fiction, audio-visual)**  
**Shelfmark (field 087)**  
**Classification numbers**

**Library specific data**

**Local subject and keyword fields (eg: for local studies, non-fiction)**  
**Notes fields (eg: for audio description)**  
**Copy-specific notes (eg: binding)**  
**Local author entries**  
**Classification information (including verbal extension)**

d) Please specify why these elements are added?

| AACR2 required | System requirement | Enhance access | Enrich record |
|----------------|--------------------|----------------|---------------|
| 12%            | 6%                 | 69%            | 19%           |

Other (please specify)... **Consistency, local requirements – including shorter classification and simple subject headings**

e) What data elements do you delete from these records?

**Various fields – including 021, 040, 503, 513 and 655**  
**Subject headings**  
**Uniform title**  
**Physical description field for fiction**  
**‘In Print’ statement**

**Sterling sign in Price field  
Classification numbers**

**Note: some data is suppressed from OPAC display rather than deleted**

f) What data elements do you change in these records?

- Errors – as defined by minimum input standards or AACR**
- Suppress 021 (if duplicate of 001)**
- Subject headings – (including changing tag numbers)**
- Statement of responsibility in Title field (245)**
- Remove Roman numerals from Physical description field**
- Date in Publication field**
- ‘Large Print’ moved from Edition to Physical description field (for OPAC)**
- Name headings – either to local or British Library/Library of Congress standards**
- Classification numbers – to local requirements**

g) Please specify why these elements are changed?

| AACR2 required | System requirement | Enhance access | Enrich record |
|----------------|--------------------|----------------|---------------|
| 25%            | 6%                 |                | 31%           |

Other (please specify)... **Consistency, simplicity and local requirements**

h) What is the reason for not using bibliographic records from external sources?

| System related | Supply related | Quality related | Quicker to create record from scratch |
|----------------|----------------|-----------------|---------------------------------------|
|                |                | 6%              |                                       |

Other (please specify)... **Records not available for some local publications nor for some items not published in UK.**

**Difficulty in synchronising delivery of bibliographic data with receipt of orders.**

**4. Creating bibliographic records from scratch**

a) What percentage of your bibliographic records are created from scratch?

- Range from 4-75%**
- Majority under 40%**

b) Do you follow a minimum input standard for records created from scratch?

| Yes | No |
|-----|----|
| 94% | 6% |

If YES please specify fields/subfields (or enclose the relevant guidelines)

**Standards include Talis minimum input standards, British Library level 1 and AACR level 2. The following (UKMARC) fields are included:**

**001, 008, 020, 040, 041, 082, 083, 1XX, 24X, 250, 260, 300, 440, 490, 5XX, 6XX, 7XX, 8XX**

**Music to BARM standard (008, 040, 046, 240, 650)**

**Other fields specified for Music include 243, 254 and 740**

**Other fields specified for audio-visual include 538 and 506, 508 (neither UKMARC)**

**Fields 109 and 709 (title entry)**

**9XX fields**

**Interest level (non-MARC library)**

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## 5. Scope of the bibliographic record

**Please consider the questions in this section with reference to the various requirements of your library – eg: for data retrieval, acquisitions, OPAC – as well as the requirements of different materials.**

a) If you receive bibliographic data from an external source, do you receive holdings information (ie: data specific to your organisation eg: barcode, shelfmark) in this format?

| Yes | No  |
|-----|-----|
| 31% | 69% |

b) If you answered NO to (a) or do not receive data from an external source, please evaluate the importance of receiving/creating holdings data in a bibliographic data format?

| Essential | Important | Not important |
|-----------|-----------|---------------|
| 27%       | 27%       | 27%           |

c) If you receive bibliographic data from an external source, do you receive community information (eg: data relating to local individuals, organisations, events or services) in this format?

| Yes | No   |
|-----|------|
|     | 100% |

d) If you answered NO to (c) or do not receive data from an external source, please evaluate the importance of receiving/creating community information in a bibliographic data format?

| Essential | Important  | Not important |
|-----------|------------|---------------|
| <b>6%</b> | <b>31%</b> | <b>50%</b>    |

e) If you receive bibliographic data from an external source, do you receive authority data (ie: data specifying an accepted form of heading together with any cross references) in this format?

| Yes        | No         |
|------------|------------|
| <b>19%</b> | <b>81%</b> |

f) If you answered NO to (e) or do not receive data from an external source, please evaluate the importance of receiving/creating authority data in a bibliographic data format?

| Essential | Important  | Not important |
|-----------|------------|---------------|
| <b>8%</b> | <b>61%</b> | <b>31%</b>    |

g) How important are the following within a bibliographic record?

|  | Essential  | Important  | Not important |
|--|------------|------------|---------------|
| Use of “sentence case” for titles? (eg: ‘Understanding computer systems architecture’ as opposed to “title case” where it would appear as ‘Understanding Computer Systems Architecture’) | <b>44%</b> | <b>44%</b> | <b>12%</b>    |
| Restriction of added entries to 3 contributors   | <b>25%</b> | <b>19%</b> | <b>44%</b>    |
| Duplication of textual and coded data elements   | <b>6%</b>  | <b>31%</b> | <b>44%</b>    |
| Height in cm rather than mm  | <b>12%</b> | <b>19%</b> | <b>69%</b>    |

h) Are there any elements appearing in bibliographic records that you think are redundant? Please give reasons.

**Duplication of fields 001 and 021 – create system problems**  
**Some of coded data in field 008 - appears elsewhere in the record**  
**Some of code fields between 009 and 099 – not understood**

**Indicators '10' and '30' in field 245 – irrelevant in computerised systems  
Supplier code in field 538 – meaningless apart from to supplier**

i) Please evaluate the following as a component of a bibliographic record:

|   | Essential  | Important  | Not important |
|---|------------|------------|---------------|
| Supplier details                            | <b>19%</b> | <b>44%</b> | <b>37%</b>    |
| Summary/abstract                            | <b>6%</b>  | <b>44%</b> | <b>50%</b>    |
| Updated price information                   | <b>37%</b> | <b>44%</b> | <b>19%</b>    |
| Width and thickness of an item              | <b>6%</b>  | <b>19%</b> | <b>75%</b>    |
| Weight of an item                           |            | <b>6%</b>  | <b>94%</b>    |
| Number of components                        | <b>50%</b> | <b>50%</b> |               |
| Vendor packaging details                    |            | <b>25%</b> | <b>75%</b>    |
| Point of sale material                      |            | <b>6%</b>  | <b>88%</b>    |
| Record status (ie: new, change, delete)     | <b>25%</b> | <b>56%</b> | <b>19%</b>    |
| Type of material (eg: music, printed; kits) | <b>94%</b> | <b>6%</b>  |               |

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### Part III – Evaluation of ONIX

#### 6. ONIX (15 responses to this section)

| DATA ELEMENT                                 | ESSENTIAL | IMPORTANT |
|--|-----------|-----------|
| <b>Record reference number and type</b>      |           |           |
| Record reference number                      | 67%       | 13%       |
| Notification or update type code             | 40%       | 13%       |
|  |           |           |
| <b>Product numbers</b>                       |           |           |
| ISBN   | 100%      |           |
| EAN-13 number                                | 13%       | 20%       |
| UPC  |           |           |
| Publisher's product number                   | 20%       | 13%       |
| ISMN   | 73%       | 20%       |
| DOI  |           | 20%       |
| Replaces ISBN                                | 13%       | 27%       |
| Replaces EAN-13 number                       |           | 13%       |
|  |           |           |
| <b>Product form</b>                          |           |           |
| Product form code                            | 20%       | 20%       |
| Product form detail (repeatable)             | 20%       | 7%        |
| Product form description                     | 20%       | 13%       |
| <i>Contained-item composite (repeatable)</i> |           |           |
| Contained ISBN                               | 33%       | 7%        |
|  |           |           |
| Contained EAN-13 number                      |           | 13%       |
| Contained item form code                     | 7%        | 13%       |
| Contained item form detail                   | 7%        | 13%       |
| Contained item form description              | 13%       | 13%       |
| Contained item quantity                      | 13%       | 13%       |
| <i>End of contained-item composite</i>       |           |           |
|  |           |           |
| <b>Series</b>                                |           |           |
| <i>Series composite (repeatable)</i>         |           |           |
| ISSN of series                               | 53%       | 20%       |
| Publisher's series code                      | 7%        | 13%       |
| Series title                                 | 87%       |           |
| Number within series                         | 80%       | 7%        |
| Year of annual                               | 60%       | 13%       |
| <i>End of series composite</i>               |           |           |
|  |           |           |

| DATA ELEMENT                              | ESSENTIAL | IMPORTANT |
|---|-----------|-----------|
| <b>Set</b>                                |           |           |
| <i>Set composite (repeatable)</i>         |           |           |
| ISBN of set                               | 53%       | 20%       |
| EAN-13 number of set                      | 13%       | 13%       |
| Title of set                              | 53%       | 20%       |
| Set part number                           | 47%       | 27%       |
| Set part title                            | 40%       | 27%       |
| Number within set (volume number)         | 47%       | 20%       |
| <i>End of set composite</i>               |           |           |
|   |           |           |
| <b>Title</b>                              |           |           |
| Text case flag                            | 20%       | 13%       |
| Distinctive title of product              | 93%       | 7%        |
| Title prefix                              | 47%       | 13%       |
| Title text without prefix                 | 33%       |           |
| Subtitle of product                       | 93%       | 7%        |
| Translation of title                      | 53%       | 33%       |
| Former title (repeatable)                 | 47%       | 47%       |
|   |           |           |
| <b>Authorship</b>                         |           |           |
| <i>Contributor composite (repeatable)</i> |           |           |
| Contributor sequence number               | 7%        | 7%        |
| Contributor role                          | 33%       | 27%       |
| Person name                               | 27%       |           |
| Person name, inverted                     | 87%       |           |
| Person name part 1                        | 40%       | 7%        |
| Person name part 2                        | 40%       | 7%        |
| Person name part 3                        | 40%       | 7%        |
| Person name part 4                        | 27%       | 13%       |
| Person name part 5                        | 27%       | 13%       |
| Person name part 6                        | 33%       | 13%       |
| Professional position                     | 7%        | 7%        |
| Affiliation                               |           | 13%       |
| Corporate contributor name                | 93%       |           |
| Biographical note                         | 7%        | 13%       |
| Contributor description                   |           | 13%       |
| <i>End of contributor composite</i>       |           |           |
| Contributor statement                     | 13%       | 20%       |
|   |           |           |
| <b>Conference</b>                         |           |           |
| Conference description                    | 33%       | 7%        |
| Conference role                           | 13%       | 13%       |
| Conference name                           | 67%       | 20%       |
| Conference number                         | 47%       | 7%        |

| <b>DATA ELEMENT</b>            | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|--------------------------------|------------------|------------------|
| Conference date                | 53%              | 13%              |
| Conference place               | 53%              | 13%              |
| <b>Edition</b>                 |                  |                  |
| Edition type code (repeatable) | 33%              |                  |
| Edition number                 | 93%              |                  |
| Edition statement              | 80%              | 7%               |

|                                      |     |     |
|--------------------------------------|-----|-----|
| <b>Language</b>                      |     |     |
| Language of text (repeatable)        | 93% | 7%  |
| Original language (of translation)   | 73% | 20% |
| <b>Pagination and other content</b>  |     |     |
| Number of pages                      | 53% | 20% |
| Number of illustrations              | 20% | 40% |
| Illustrations and other content note | 27% | 27% |
| Map scale                            | 73% | 27% |
| <b>Subject</b>                       |     |     |
| BASIC main subject category          | 33% |     |
| BIC main subject category            | 13% | 20% |
| BIC subject category version number  | 13% | 7%  |

|  |     |     |
|--|-----|-----|
| <i>Main-subject composite</i>                    |     |     |
| Main subject scheme identifier                   | 20% | 7%  |
| Subject scheme version number                    | 7%  | 13% |
| Subject code                                     | 27% | 7%  |
| Subject heading text                             | 53% | 20% |
| <i>End of main-subject composite</i>             |     |     |
| <i>Additional-subject composite (repeatable)</i> |     |     |
| Additional subject scheme identifier             |     | 13% |
| Additional subject scheme version number         |     | 7%  |
| Additional subject code                          | 13% |     |
| Additional subject heading text                  | 27% | 13% |
| <i>End of additional-subject composite</i>       |     |     |
| <i>Person-as-subject composite (repeatable)</i>  |     |     |
| Name elements from 'Authorship' as req.          | 67% | 7%  |
| <i>End of person-as-subject composite</i>        |     |     |
| Corporate body as subject (repeatable)           | 60% | 13% |
| Place as subject (repeatable)                    | 40% | 13% |
|  |     |     |
|  |     |     |

| <b>DATA ELEMENT</b>                      | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|--|------------------|------------------|
| <b>Audience/readership</b>               |                  |                  |
| Audience code (repeatable)               | 27%              | 27%              |
| US School Grade(s)                       |                  | 7%               |
| Interest age(s)                          | 19%              | 33%              |
| <i>Audience-range composite</i>          |                  |                  |
| Audience “numeric range” qualifier       |                  | 7%               |
| Audience “numeric range” precision       |                  | 7%               |
| Audience “numeric range” value           |                  | 7%               |
| <i>End of audience-range composite</i>   |                  |                  |
| <i>Complexity composite (repeatable)</i> |                  |                  |
| Complexity scheme identifier             |                  | 13%              |
| Complexity code                          |                  | 7%               |
| <i>End of complexity composite</i>       |                  |                  |
| <b>Publisher information</b>             |                  |                  |
| Imprint or brand name                    | 40%              | 7%               |
| Imprint or brand code                    |                  | 7%               |
| Publisher name                           | 100%             |                  |
| Publisher code                           | 13%              | 33%              |
| Country of publication                   | 40%              | 33%              |
| Co-publisher (repeatable)                | 33%              | 13%              |
| Sponsor (repeatable)                     |                  | 13%              |

|                                       |      |     |
|---------------------------------------|------|-----|
| <b>Publishing dates</b>               |      |     |
| Announcement date                     | 7%   | 40% |
| Publication date                      | 100% |     |
| Copyright date                        | 20%  | 27% |
| Year first published                  | 20%  | 33% |
| <b>Territorial rights</b>             |      |     |
| <i>Rights composite (repeatable)</i>  |      |     |
| Rights type code                      | 7%   | 13% |
| Rights country (repeatable)           | 7%   | 13% |
| <i>End of rights composite</i>        |      |     |
| <b>Dimensions</b>                     |      |     |
| <i>Measure composite (repeatable)</i> |      |     |
| Measure type code                     | 7%   |     |
| Measurement                           | 20%  |     |
| Measure unit code                     | 7%   |     |
| <i>End of measure composite</i>       |      |     |
| Overall height                        | 44%  | 13% |
| Overall width                         | 7%   | 13% |
| Overall thickness                     |      | 7%  |

| <b>DATA ELEMENT</b>                                  | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|--|------------------|------------------|
| Unit weight  |                  | 13%              |
| <b>Description and other supporting text</b>         |                  |                  |
| Annotation   | 13%              | 20%              |
| Main description                                     | 7%               | 13%              |
| <i>Other-text composite (repeatable)</i>             |                  |                  |
| Other text type code                                 |                  | 7%               |
| Other text format                                    |                  | 13%              |
| Other text   | 7%               | 13%              |
| Other text link type                                 |                  | 7%               |
| Other text link                                      |                  | 7%               |
| <i>End of other-text composite</i>                   |                  |                  |
| Review quote (repeatable)                            | 7%               | 7%               |
| <b>Links to image/audio/video files</b>              |                  |                  |
| Front cover image file format code                   | 7%               | 7%               |
| Front cover image file link type code                | 7%               | 7%               |
| Front cover image file link                          | 13%              | 7%               |
| <i>Image/audio/video-file composite (repeatable)</i> |                  |                  |
| Image/audio/video file type code                     | 13%              |                  |
| Image/audio/video file format code                   | 13%              |                  |
| Image/audio/video file link type                     | 7%               | 7%               |
| Image/audio/video file link                          | 13%              | 7%               |
| Text accompanying download                           | 7%               | 7%               |
| Download caption                                     | 7%               |                  |
| Download credit                                      | 7%               |                  |
| Download copyright notice                            | 7%               | 7%               |
| Download terms                                       | 7%               | 7%               |
| <i>End of image/audio/video-file composite</i>       |                  |                  |
| <i>Product website composite (repeatable)</i>        |                  |                  |
| Product website description                          | 7%               | 7%               |
| Link to product website                              | 7%               | 13%              |
| <i>End of product website composite</i>              |                  |                  |
| <b>Prizes</b>  |                  |                  |
| Prizes or awards description                         | 7%               | 27%              |
| <i>Prize-or-award composite (repeatable)</i>         |                  |                  |
| Prize or award name                                  | 13%              | 27%              |
| Prize or award year                                  | 13%              | 20%              |
| Prize or award country                               | 7%               | 13%              |
| Prize or award achievement code                      | 7%               | 7%               |
| <i>End of prize-or-award composite</i>               |                  |                  |
|  |                  |                  |
|  |                  |                  |

| <b>DATA ELEMENT</b>                                   | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|---|------------------|------------------|
| <b>Replaced-by and alternative-format</b>             |                  |                  |
| Replaced-by ISBN                                      | 7%               | 20%              |
| Replaced-by EAN-13 number                             |                  | 7%               |
| Alternative format ISBN                               |                  | 20%              |
| Alternative format EAN-13 number                      |                  | 7%               |
| Other alternative product ISBN                        |                  | 13%              |
| Other alternative product EAN-13 number               |                  | 7%               |
| Out-of-print date                                     | 7%               | 20%              |
|   |                  |                  |
| <b>Supplier and trade data</b>                        |                  |                  |
| <i>Supplier-and-trade-data composite (repeatable)</i> |                  |                  |
| Supplier EAN location number                          | 7%               |                  |
| Supplier SAN  | 20%              |                  |
| Supplier name   | 20%              |                  |
| Supply-to country                                     | 13%              |                  |
| Supply-to region                                      | 13%              |                  |
| Supply-to country excluded                            | 13%              |                  |
| Availability status code                              | 27%              |                  |
| Expected availability date                            | 27%              | 13%              |
| On sale date  | 20%              | 20%              |
| Order time  | 13%              |                  |
| Pack or carton quantity                               | 7%               |                  |
| Audience restriction flag                             | 13%              |                  |
| Audience restriction note                             | 20%              |                  |
| Unpriced item type                                    | 7%               | 7%               |
| Price amount  | 20%              | 7%               |
| <i>Price composite (repeatable)</i>                   |                  |                  |
| Price type code                                       | 20%              |                  |
| Class of trade code                                   | 7%               |                  |
| Discount group code                                   | 13%              |                  |
| Price amount  | 47%              | 7%               |
| Currency code   | 20%              |                  |
| Tax 1 rate, coded                                     | 7%               |                  |
| Tax 1 rate, percent                                   | 7%               |                  |
| Amount of price taxable at tax rate 1                 | 7%               |                  |
| Tax amount at tax rate 1                              | 7%               |                  |
| Tax rate 2, coded                                     | 7%               |                  |
| Tax rate 2, percent                                   | 7%               |                  |
| Amount of price taxable at tax rate 2                 | 7%               |                  |
| Tax amount at tax rate 2                              | 7%               |                  |
| Price effective from                                  | 13%              |                  |
| Price effective until                                 | 7%               |                  |
| <i>End of price composite</i>                         |                  |                  |
| <i>End of supplier-and-trade-data composite</i>       |                  |                  |

| DATA ELEMENT                        | ESSENTIAL | IMPORTANT |
|-------------------------------------|-----------|-----------|
| <b>Sales promotion information</b>  |           |           |
| Promotion campaign information      |           | 7%        |
| Promotion contact details           |           | 7%        |
| Initial print run                   |           | 7%        |
| Copies sold                         |           | 7%        |
| Book club adoption                  |           | 7%        |
| <b>Message header data elements</b> |           |           |
| Sender EAN number                   | 13%       | 7%        |
| Sender SAN                          | 20%       | 7%        |
| Sender company name                 | 13%       | 7%        |
| Sender contact                      | 7%        | 7%        |
| Addressee EAN number                | 13%       | 7%        |
| Addressee SAN                       | 20%       | 7%        |
| Addressee company name              | 13%       |           |
| Addressee contact                   | 7%        |           |
| Message sequence number             | 7%        | 7%        |
| Message repeat number               | 7%        |           |
| Message creation date/time          | 13%       | 7%        |
| Message note                        | 7%        | 7%        |
| Default language of text            | 7%        |           |
| Default price type                  | 7%        |           |
| Default currency                    | 13%       | 13%       |
| Default linear unit                 | 7%        |           |
| Default unit of weight              | 7%        |           |
| Default class of trade              | 7%        |           |

Please give details of any data elements you feel should be added to the current ONIX format.

**More physical description – eg: number of pages, types of illustration – useful as aid to selection and for readers requesting ‘closed access’ stock.**

**Expansion required for handling special materials or materials not commercially available (eg: manuscripts, rare books) – more important for creating database than for data transmission from other sources.**

**Hotlinks to Internet/Intranet and links to digitised resources**

**Suggested classification numbers**

**Binding instructions**

**Note: Important for format not to EXCLUDE things or be inflexible**

## Appendix 3

This appendix contains a summary of the results contained in questionnaires returned from the following SPECIAL libraries (8 in total):

**Admiralty Library**  
**British Library**  
**The British Museum, The Paul Hamlyn Library**  
**Department of Health**  
**National Library for the Blind**  
**National Library of Wales**  
**Natural History Museum**  
**Royal National Institute for the Blind**

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### 2. General Cataloguing Information

a) Which of the following materials are held in your library?

Books – fiction.....**75%**.....

Books – non-fiction...**88%**.....

Serials.....**88%**.....

Music (manuscripts, scores).....**50%**.....

Audio/Visual.....**88%**.....

Cartographic.....**100%**.....

Electronic resources.....**88%**.....

Visual material (eg: prints, slides, filmstrips).....**50%**.....

Tactile material.....**37%**.....

Multi-media..... **75%**.....

Other ... **Manuscripts, archives, grey literature, philatelic materials, reports theses**

b) What format do you use?

| MARC21 | UKMARC | UNIMARC |
|--------|--------|---------|
| 50%    | 63%    |         |

Other (please specify)...**ISAD(G)**

c) What Cataloguing Rules do you use?

| AACR2 | ISBD |
|-------|------|
| 100%  |      |

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## Part II – Current Practice

### 3. Bibliographic data from external sources

a) Do you currently receive bibliographic data from external sources (eg: booksellers, Whitaker, British Library)?

| Yes | No  |
|-----|-----|
| 63% | 37% |

(if NO please go to question 3 (h))

b) In what format are these records received?

| MARC | SUTRS | ONIX | EDI | Dublin Core |
|------|-------|------|-----|-------------|
| 100% |       |      |     | 12%         |

In questions (c), (e) and (f) please specify UKMARC or MARC21 fields/subfields and/or give a brief description. If you are able to supply examples from your database please do so.

c) What data elements do you add to these records? Please indicate if data elements are added for specific materials (eg: Key – music, AV)

**Fields required for minimum input standards (eg: CURL and British Library)  
Uniform title (for music, the Bible etc.)**

**General note field**

**Other notes fields (eg: 503 – sequel information, 513 – book synopsis)**

**Taxonomic identification (MARC21 754)**

**BNB number (British Library for records received from Bibliographic Data Services)**

**Classification**

**LDO (Legal Deposit Office)**

**Stamp date**

**Library specific data**

**Field 019 (Bibliography of Wales)**

**Subject headings**

**Location (shelfmark)**

**Accessions number**

**Media field (in-depth format information eg: for Braille, MOON etc.)**

**Copyright application**

**Junior age code**

**Key stage code**

**Warning code (language, sex or violence)**

**Fiction genre**

d) Please specify why these elements are added?

| AACR2 required | System requirement | Enhance access | Enrich record |
|----------------|--------------------|----------------|---------------|
|                | 20%                | 60%            | 60%           |

Other (please specify).....to Locate/record item

e) What data elements do you delete from these records?

**Specified fields include: 010, 015, 035, 040, 049, 050, 072, 080, 083, 690, 691, 692**

**Information codes (eg: date entered on file, form of publication, index, heading repeated in title, provenance, material designation)**

**‘Local data’ about library that created record**

f) What data elements do you change in these records?

**Errors + obsolete fields/subfields as defined by AACR or minimum input standards**

**Classification (Dewey or LC) – to local classification scheme**

**Holdings information**

**Subject headings – from general to specific**

**Library of Congress records converted to UKMARC (British Library)**

**System number in 001 of OCLC and RLIN records replaced by ISBN**

g) Please specify why these elements are changed?

| AACR2 required | System requirement | Enhance access | Enrich record |
|----------------|--------------------|----------------|---------------|
| 40%            | 40%                | 80%            | 80%           |

h) What is the reason for not using bibliographic records from external sources?

| System related | Supply related | Quality related | Quicker to create record from scratch |
|----------------|----------------|-----------------|---------------------------------------|
|                |                |                 | 33%                                   |

Other (please specify)...**Extra information (eg: reviews) required and not supplied**  
**Lack of currency of material that can be supplied**  
**Quality and detail of material not good enough**  
**Not enough records needed to make economical**  
**Records not available for certain material (eg: instruction manuals for domestic appliances, material published outside UK)**  
**Unable to download data from Internet**

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**4. Creating bibliographic records from scratch**

a) What percentage of your bibliographic records are created from scratch?

**Range from 2-100%**  
**3 libraries – 100%**  
**3 libraries – 30/40%**

b) Do you follow a minimum input standard for records created from scratch?

| Yes  | No |
|------|----|
| 100% |    |

If YES please specify fields/subfields (or enclose the relevant guidelines)

**Standards include CURL, British Library Core Record, AACR level 2**  
**‘Reveal’ minimum input standard**

**Other specified fields (UKMARC):**

**001, 021, 040, 041, 084 (Bliss), 100, 110, 111, 119 (UK Gov. Corp auth), 245,**

248, 249 (periodic details), 250, 260, 300, 350, 440, 5XX, 669 (bulletin details),  
 689 (subject keywords), 7XX, 810, 856  
 Other specified fields(MARC 21)  
 020/022, 090  
 Media transcription (Braille type, producer, no. of vols., cassette type and no. of  
 cassettes)

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## 5. Scope of the bibliographic record

Please consider the questions in this section with reference to the various requirements of your library – eg: for data retrieval, acquisitions, OPAC – as well as the requirements of different materials.

a) If you receive bibliographic data from an external source, do you receive holdings information (ie: data specific to your organisation eg: barcode, shelfmark) in this format?

| Yes        | No         |
|------------|------------|
| <b>16%</b> | <b>83%</b> |

b) If you answered NO to (a) or do not receive data from an external source, please evaluate the importance of receiving/creating holdings data in a bibliographic data format?

| Essential  | Important  | Not important |
|------------|------------|---------------|
| <b>44%</b> | <b>28%</b> | <b>28%</b>    |

c) If you receive bibliographic data from an external source, do you receive community information (eg: data relating to local individuals, organisations, events or services) in this format?

| Yes | No          |
|-----|-------------|
|     | <b>100%</b> |

d) If you answered NO to (c) or do not receive data from an external source, please evaluate the importance of receiving/creating community information in a bibliographic data format?

| Essential | Important  | Not important |
|-----------|------------|---------------|
|           | <b>12%</b> | <b>75%</b>    |

e) If you receive bibliographic data from an external source, do you receive authority data (ie: data specifying an accepted form of heading together with any cross references) in this format?

| Yes | No |
|-----|----|
|     |    |

|            |            |
|------------|------------|
| <b>50%</b> | <b>50%</b> |
|------------|------------|

f) If you answered NO to (e) or do not receive data from an external source, please evaluate the importance of receiving/creating authority data in a bibliographic data format?

| Essential  | Important  | Not important |
|------------|------------|---------------|
| <b>60%</b> | <b>40%</b> |               |

g) How important are the following within a bibliographic record?

|  | Essential  | Important  | Not important |
|--|------------|------------|---------------|
| Use of “sentence case” for titles? (eg: ‘Understanding computer systems architecture’ as opposed to “title case” where it would appear as ‘Understanding Computer Systems Architecture’) | <b>25%</b> | <b>50%</b> | <b>25%</b>    |
| Restriction of added entries to 3 contributors   | <b>12%</b> | <b>12%</b> | <b>75%</b>    |
| Duplication of textual and coded data elements   | <b>25%</b> | <b>37%</b> | <b>37%</b>    |
| Height in cm rather than mm  | <b>25%</b> | <b>12%</b> | <b>50%</b>    |

h) Are there any elements appearing in bibliographic records that you think are redundant? Please give reasons.

- Dimensions**
- Number of pages**
- Indexes**
- Illustrations**
- Cost of item**

i) Please evaluate the following as a component of a bibliographic record:

|   | Essential | Important | Not important |
|---|-----------|-----------|---------------|
| Supplier details                            | 37%       | 25%       | 25%           |
| Summary/abstract                            | 12%       | 63%       | 25%           |
| Updated price information                   | 25%       | 12%       | 50%           |
| Width and thickness of an item              |           | 25%       | 63%           |
| Weight of an item                           |           |           | 88%           |
| Number of components                        | 63%       | 25%       | 12%           |
| Vendor packaging details                    |           |           | 88%           |
| Point of sale material                      |           | 12%       | 63%           |
| Record status (ie: new, change, delete)     | 37%       | 63%       |               |
| Type of material (eg: music, printed; kits) | 50%       | 50%       |               |

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## Part III – Evaluation of ONIX

### 6. ONIX

| DATA ELEMENT                                 | ESSENTIAL  | IMPORTANT  |
|--|------------|------------|
| <b>Record reference number and type</b>      |            |            |
| Record reference number                      | <b>50%</b> | <b>50%</b> |
| Notification or update type code             | <b>25%</b> | <b>25%</b> |
| <b>Product numbers</b>                       |            |            |
| ISBN   | <b>88%</b> | <b>12%</b> |
| EAN-13 number                                | <b>12%</b> | <b>25%</b> |
| UPC  |            |            |
| Publisher's product number                   | <b>12%</b> | <b>12%</b> |
| ISMN   | <b>50%</b> | <b>12%</b> |
| DOI  | <b>25%</b> | <b>12%</b> |
| Replaces ISBN                                | <b>37%</b> | <b>12%</b> |
| Replaces EAN-13 number                       | <b>12%</b> | <b>12%</b> |
| <b>Product form</b>                          |            |            |
| Product form code                            | <b>25%</b> | <b>37%</b> |
| Product form detail (repeatable)             | <b>25%</b> | <b>12%</b> |
| Product form description                     | <b>25%</b> | <b>63%</b> |
| <i>Contained-item composite (repeatable)</i> |            |            |
| Contained ISBN                               | <b>25%</b> | <b>37%</b> |
| Contained EAN-13 number                      | <b>25%</b> |            |
| Contained item form code                     | <b>25%</b> |            |
| Contained item form detail                   | <b>25%</b> |            |
| Contained item form description              | <b>25%</b> |            |
| Contained item quantity                      | <b>25%</b> |            |
| <i>End of contained-item composite</i>       |            |            |
| <b>Series</b>                                |            |            |
| <i>Series composite (repeatable)</i>         |            |            |
| ISSN of series                               | <b>63%</b> | <b>37%</b> |
| Publisher's series code                      | <b>25%</b> | <b>12%</b> |
| Series title                                 | <b>88%</b> | <b>12%</b> |
| Number within series                         | <b>88%</b> | <b>12%</b> |
| Year of annual                               | <b>88%</b> | <b>12%</b> |
| <i>End of series composite</i>               |            |            |
|  |            |            |

| DATA ELEMENT                              | ESSENTIAL | IMPORTANT |
|---|-----------|-----------|
| <b>Set</b>                                |           |           |
| <i>Set composite (repeatable)</i>         |           |           |
| ISBN of set                               | 88%       | 12%       |
| EAN-13 number of set                      | 25%       |           |
| Title of set                              | 88%       | 12%       |
| Set part number                           | 75%       | 25%       |
| Set part title                            | 63%       | 25%       |
| Number within set (volume number)         | 75%       | 25%       |
| <i>End of set composite</i>               |           |           |
|   |           |           |
| <b>Title</b>                              |           |           |
| Text case flag                            | 12%       | 12%       |
| Distinctive title of product              | 100%      |           |
| Title prefix                              | 37%       | 37%       |
| Title text without prefix                 | 50%       | 12%       |
| Subtitle of product                       | 75%       | 25%       |
| Translation of title                      | 25%       | 63%       |
| Former title (repeatable)                 | 25%       | 75%       |
|   |           |           |
| <b>Authorship</b>                         |           |           |
| <i>Contributor composite (repeatable)</i> |           |           |
| Contributor sequence number               | 12%       |           |
| Contributor role                          | 37%       | 37%       |
| Person name                               | 63%       |           |
| Person name, inverted                     | 88%       | 12%       |
| Person name part 1                        | 25%       | 25%       |
| Person name part 2                        | 25%       | 25%       |
| Person name part 3                        | 25%       | 25%       |
| Person name part 4                        | 25%       | 12%       |
| Person name part 5                        | 25%       |           |
| Person name part 6                        | 25%       |           |
| Professional position                     | 12%       | 25%       |
| Affiliation                               | 12%       | 25%       |
| Corporate contributor name                | 75%       | 12%       |
| Biographical note                         | 12%       | 37%       |
| Contributor description                   | 12%       | 25%       |
| <i>End of contributor composite</i>       |           |           |
| Contributor statement                     | 37%       | 37%       |
|   |           |           |
| <b>Conference</b>                         |           |           |
| Conference description                    | 25%       | 50%       |
| Conference role                           | 25%       | 50%       |
| Conference name                           | 88%       | 12%       |
| Conference number                         | 75%       | 25%       |

| <b>DATA ELEMENT</b>            | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|--------------------------------|------------------|------------------|
| Conference date                | 75%              | 25%              |
| Conference place               | 75%              | 25%              |
| <b>Edition</b>                 |                  |                  |
| Edition type code (repeatable) | 50%              | 25%              |
| Edition number                 | 88%              | 12%              |
| Edition statement              | 75%              | 25%              |

|                                      |     |     |
|--------------------------------------|-----|-----|
| <b>Language</b>                      |     |     |
| Language of text (repeatable)        | 75% | 25% |
| Original language (of translation)   | 50% | 50% |
| <b>Pagination and other content</b>  |     |     |
| Number of pages                      | 75% |     |
| Number of illustrations              | 12% | 50% |
| Illustrations and other content note | 37% | 37% |
| Map scale                            | 50% | 25% |
| <b>Subject</b>                       |     |     |
| BASIC main subject category          | 25% | 12% |
| BIC main subject category            | 12% | 12% |
| BIC subject category version number  | 12% | 12% |

|  |     |     |
|--|-----|-----|
| <i>Main-subject composite</i>                    |     |     |
| Main subject scheme identifier                   | 63% | 25% |
| Subject scheme version number                    | 37% | 37% |
| Subject code                                     | 25% | 25% |
| Subject heading text                             | 63% | 25% |
| <i>End of main-subject composite</i>             |     |     |
| <i>Additional-subject composite (repeatable)</i> |     |     |
| Additional subject scheme identifier             | 50% | 25% |
| Additional subject scheme version number         | 37% | 25% |
| Additional subject code                          | 25% | 12% |
| Additional subject heading text                  | 50% | 25% |
| <i>End of additional-subject composite</i>       |     |     |
| <i>Person-as-subject composite (repeatable)</i>  |     |     |
| Name elements from 'Authorship' as req.          | 63% | 25% |
| <i>End of person-as-subject composite</i>        |     |     |
| Corporate body as subject (repeatable)           | 63% | 37% |
| Place as subject (repeatable)                    | 63% | 25% |
|  |     |     |
|  |     |     |

| DATA ELEMENT                             | ESSENTIAL | IMPORTANT |
|--|-----------|-----------|
| <b>Audience/readership</b>               |           |           |
| Audience code (repeatable)               | 37%       | 12%       |
| US School Grade(s)                       |           |           |
| Interest age(s)                          | 12%       | 25%       |
| <i>Audience-range composite</i>          |           |           |
| Audience “numeric range” qualifier       |           | 25%       |
| Audience “numeric range” precision       |           | 25%       |
| Audience “numeric range” value           |           | 37%       |
| <i>End of audience-range composite</i>   |           |           |
| <i>Complexity composite (repeatable)</i> |           |           |
| Complexity scheme identifier             | 12%       | 25%       |
| Complexity code                          | 12%       | 25%       |
| <i>End of complexity composite</i>       |           |           |
| <b>Publisher information</b>             |           |           |
| Imprint or brand name                    | 75%       | 25%       |
| Imprint or brand code                    | 25%       |           |
| Publisher name                           | 100%      |           |
| Publisher code                           | 12%       | 12%       |
| Country of publication                   | 63%       | 25%       |
| Co-publisher (repeatable)                | 63%       | 25%       |
| Sponsor (repeatable)                     | 12%       | 50%       |

|                                       |     |     |
|---------------------------------------|-----|-----|
| <b>Publishing dates</b>               |     |     |
| Announcement date                     | 12% | 37% |
| Publication date                      | 88% | 12% |
| Copyright date                        | 37% | 37% |
| Year first published                  | 37% | 50% |
| <b>Territorial rights</b>             |     |     |
| <i>Rights composite (repeatable)</i>  |     |     |
| Rights type code                      | 12% | 25% |
| Rights country (repeatable)           | 12% | 25% |
| <i>End of rights composite</i>        |     |     |
| <b>Dimensions</b>                     |     |     |
| <i>Measure composite (repeatable)</i> |     |     |
| Measure type code                     | 37% | 12% |
| Measurement                           | 50% |     |
| Measure unit code                     | 37% | 12% |
| <i>End of measure composite</i>       |     |     |
| Overall height                        | 63% |     |
| Overall width                         | 37% | 25% |
| Overall thickness                     | 12% | 12% |

| <b>DATA ELEMENT</b>                                  | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|--|------------------|------------------|
| Unit weight  |                  | 12%              |
| <b>Description and other supporting text</b>         |                  |                  |
| Annotation   | 50%              | 25%              |
| Main description                                     | 50%              | 12%              |
| <i>Other-text composite (repeatable)</i>             |                  |                  |
| Other text type code                                 | 50%              | 12%              |
| Other text format                                    | 37%              |                  |
| Other text   | 37%              | 12%              |
| Other text link type                                 | 37%              |                  |
| Other text link                                      | 37%              |                  |
| <i>End of other-text composite</i>                   |                  |                  |
| Review quote (repeatable)                            | 12%              | 25%              |
| <b>Links to image/audio/video files</b>              |                  |                  |
| Front cover image file format code                   | 37%              | 12%              |
| Front cover image file link type code                | 37%              | 12%              |
| Front cover image file link                          | 37%              | 12%              |
| <i>Image/audio/video-file composite (repeatable)</i> |                  |                  |
| Image/audio/video file type code                     | 37%              | 25%              |
| Image/audio/video file format code                   | 37%              | 25%              |
| Image/audio/video file link type                     | 37%              | 25%              |
| Image/audio/video file link                          | 37%              | 25%              |
| Text accompanying download                           | 50%              | 12%              |
| Download caption                                     | 37%              | 25%              |
| Download credit                                      | 25%              | 37%              |
| Download copyright notice                            | 37%              | 25%              |
| Download terms                                       | 37%              | 25%              |
| <i>End of image/audio/video-file composite</i>       |                  |                  |
| <i>Product website composite (repeatable)</i>        |                  |                  |
| Product website description                          | 37%              | 12%              |
| Link to product website                              | 37%              | 12%              |
| <i>End of product website composite</i>              |                  |                  |
| <b>Prizes</b>  |                  |                  |
| Prizes or awards description                         | 25%              | 37%              |
| <i>Prize-or-award composite (repeatable)</i>         |                  |                  |
| Prize or award name                                  | 25%              | 37%              |
| Prize or award year                                  | 25%              | 37%              |
| Prize or award country                               | 25%              | 25%              |
| Prize or award achievement code                      | 12%              | 12%              |
| <i>End of prize-or-award composite</i>               |                  |                  |
|  |                  |                  |
|  |                  |                  |

| <b>DATA ELEMENT</b>                                   | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|---|------------------|------------------|
| <b>Replaced-by and alternative-format</b>             |                  |                  |
| Replaced-by ISBN                                      | <b>37%</b>       | <b>25%</b>       |
| Replaced-by EAN-13 number                             | <b>25%</b>       |                  |
| Alternative format ISBN                               | <b>25%</b>       | <b>25%</b>       |
| Alternative format EAN-13 number                      | <b>12%</b>       | <b>12%</b>       |
| Other alternative product ISBN                        | <b>25%</b>       | <b>12%</b>       |
| Other alternative product EAN-13 number               | <b>12%</b>       | <b>12%</b>       |
| Out-of-print date                                     | <b>25%</b>       | <b>25%</b>       |
|   |                  |                  |
| <b>Supplier and trade data</b>                        |                  |                  |
| <i>Supplier-and-trade-data composite (repeatable)</i> |                  |                  |
| Supplier EAN location number                          |                  |                  |
| Supplier SAN  |                  |                  |
| Supplier name   | <b>12%</b>       | <b>12%</b>       |
| Supply-to country                                     |                  |                  |
| Supply-to region                                      |                  |                  |
| Supply-to country excluded                            |                  |                  |
| Availability status code                              | <b>12%</b>       |                  |
| Expected availability date                            | <b>12%</b>       | <b>12%</b>       |
| On sale date  | <b>12%</b>       |                  |
| Order time  | <b>12%</b>       |                  |
| Pack or carton quantity                               | <b>12%</b>       |                  |
| Audience restriction flag                             |                  |                  |
| Audience restriction note                             | <b>12%</b>       | <b>12%</b>       |
| Unpriced item type                                    |                  |                  |
| Price amount  | <b>12%</b>       | <b>25%</b>       |
| <i>Price composite (repeatable)</i>                   |                  |                  |
| Price type code                                       |                  | <b>12%</b>       |
| Class of trade code                                   |                  |                  |
| Discount group code                                   | <b>12%</b>       |                  |
| Price amount  | <b>12%</b>       |                  |
| Currency code   | <b>12%</b>       |                  |
| Tax 1 rate, coded                                     |                  |                  |
| Tax 1 rate, percent                                   |                  |                  |
| Amount of price taxable at tax rate 1                 |                  |                  |
| Tax amount at tax rate 1                              |                  |                  |
| Tax rate 2, coded                                     |                  |                  |
| Tax rate 2, percent                                   |                  |                  |
| Amount of price taxable at tax rate 2                 |                  |                  |
| Tax amount at tax rate 2                              |                  |                  |
| Price effective from                                  |                  | <b>12%</b>       |
| Price effective until                                 |                  | <b>12%</b>       |
| <i>End of price composite</i>                         |                  |                  |
| <i>End of supplier-and-trade-data composite</i>       |                  |                  |

| <b>DATA ELEMENT</b>                 | <b>ESSENTIAL</b> | <b>IMPORTANT</b> |
|-------------------------------------|------------------|------------------|
| <b>Sales promotion information</b>  |                  |                  |
| Promotion campaign information      |                  |                  |
| Promotion contact details           |                  |                  |
| Initial print run                   |                  |                  |
| Copies sold                         |                  |                  |
| Book club adoption                  |                  |                  |
|                                     |                  |                  |
| <b>Message header data elements</b> |                  |                  |
| Sender EAN number                   |                  |                  |
| Sender SAN                          |                  |                  |
| Sender company name                 |                  |                  |
| Sender contact                      |                  |                  |
| Addressee EAN number                |                  |                  |
| Addressee SAN                       |                  |                  |
| Addressee company name              |                  |                  |
| Addressee contact                   |                  |                  |
| Message sequence number             |                  |                  |
| Message repeat number               |                  |                  |
| Message creation date/time          |                  |                  |
| Message note                        |                  |                  |
| Default language of text            |                  |                  |
| Default price type                  |                  |                  |
| Default currency                    |                  |                  |
| Default linear unit                 |                  |                  |
| Default unit of weight              |                  |                  |
| Default class of trade              |                  |                  |

Please give details of any data elements you feel should be added to the current ONIX format.

**Extra elements for 'Reveal' format**

**Statement of responsibility in Title area**

**Place (as opposed to/as well as) country of publication**

**Preservation/conservation fields**

**MARC 21 – field 785 – succeeding entry**

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## Appendix 4

### Investigation into the feasibility of using ONIX International as a standard for bibliographic data transmission between the book trade and libraries in the UK

#### Minimum Data Requirements – Focus Group Meeting

Thursday 7 June 2001

Gallery Hospitality Suite 14, LIS, National Exhibition Centre, Birmingham

#### Present:

David Bevington, Middlesex University

Celia Burton, BIC

Robina Clayphan, BL

Alan Danskin, BL

Stuart Ede, BL (Chair)

Alison Felstead, Bodleian Library

Mark Field, Library Association

Brian Green, BIC

Wendy Hall, National Library for the Blind

Heather Jardine, Corp. of London

David Martin, BIC

Stephen Mercer, Bradford University

Ann Selwood, Nat. Lib. of Wales

Marie Stanford, Birmingham Libs.

Diane Tough, Natural History Mus.

Terry Willan, Talis

Connie Wright, Staffordshire Libs.

#### Actions – to be added to the Project Report as appropriate

1. In response to a query from Priscilla Caplan about the report overstating the case of UK libraries considering ONIX as a more than a transmission format (eg: replacement for MARC) : it was suggested that this may be partly because the UK libraries have agreed to move away from UKMARC (to MARC21) and so may be taking a wider look at the possibilities. It was also thought that more general use of XML may influence the decision to move to ONIX. The possibility of creating extra data (eg: graphics) was mentioned as a benefit of using ONIX.
2. It was considered that ONIX would be able to be more flexible than MARC. In particular, cataloguing of all artefacts (useful both in trade – mention was made of Amazon selling jeans! – and libraries, museums etc.) – handled better in MARC21 than UKMARC – could be considered in future ONIX developments.

3. The importance of being able to map to/from formats other than MARC was emphasised. This is an issue for authorities that are harmonizing cultural services – to allow access to all available databases.
4. Authority control. There is a proposal for a project to look at the interoperability of the currently available Name Authority databases. This may result in a database that could be accessed by data providers and provide standard forms of names for all areas of the book trade.
5. Comments/suggestions on specific areas of the draft report:
  - MARC elements not currently in ONIX (list on p. 20)
    - i. Supplier details: possible to input coded identity and address. Source of data may also be added if required.
    - ii. Summary/abstract, updated price information, no. of components, record status: all available in the current version of ONIX
    - iii. Type of material: some are currently available in ONIX. Developers will check that all those in MARC21 are made available.
    - iv. Use of indicators in MARC was also discussed: it was suggested that XML attributes may be used in ONIX.
  - Extra elements in ONIX (p.18)
    - i. Elements required for special materials and materials not commercially available (including those for the Reveal format). More work is needed in this area – suggested as possible future project.
    - ii. Place of publication, Uniform title: both in current version of ONIX.
    - iii. Multi-level description: has been included as part of ONIX serials development (down to article level).
    - iv. Hotlinks: some are specified, more can be added.
    - v. Classification schemes: codes for schemes may be registered and it is possible to use local schemes if required.

- Holdings data (p.11). This was considered to be necessary as an ONIX development. It is already being investigated as part of the e-books project. Possible future project.
  - Community Information (p.11). Government is already using Dublin Core and other XML formats are also being used. Importance of mapping to/from ONIX.
  - Authority data (p.12). Important that proposed authorities database is in XML format compatible with ONIX. This will allow libraries access/downloads as required.
  - Format of data (p.12-13).
    - i. Titles – it is possible to specify, within the ONIX record, how titles will be formatted. Libraries can decide how they handle different formats.
    - ii. Added entries – an attempt to change current AACR restriction to 3 entries may be made. It is possible to flag the number of contributors in the ONIX record.
    - iii. Duplication of text/code – it was suggested that codes should be handled in ONIX – translations would be supplied by the library system as required.
6. It was agreed that the Focus Group would remain as essentially an e-mail group – to give views on ONIX developments when required. Further meetings would be arranged as necessary.

BIC:Celia Burton:11/06/01