TO: Mary Lynette Larsgaard, Chair: CC:DA

FROM: Cheri Folkner and Elizabeth Mangan, Co-Chairs,
           Task Force on the Review of ISBD(CM)

RE: Report of the Task Force on the Review of ISBD(CM)

On 24 Feb 2005 the Task Force (TF) was charged with:

1. Preparing a review of this draft document, for transmittal to CC:DA by March 17, 2005, so that CC:DA's response may be sent to the appropriate IFLA representative by March 31, 2005. The document is available at http://www.ifla.org/VII/s13/pubs/ISBD(CM)_21Dec04.pdf with the cover memo available at http://www.ifla.org/VII/s13/pubs/Invitation4WWreview12-04.htm

2. Particular attention should be given to how the document may affect rules in the upcoming version of AACR.

Membership of the TF is: Cheri Folkner, Co-Chair
                         Elizabeth Mangan, Co-Chair
                         Nancy Kandoian
                         Barbara Rapoport

Introduction

In order to provide comments on the draft revision of ISBD(CM) CC:DA voted to establish a Task Force to take on this responsibility with a deadline which provides CC:DA time to review and comment on the report before forwarding it to the ISBD Review Group. The Task Force was established following the Boston meeting with a short timeframe in which to accomplish its work.

The Task Force members individually reviewed the document and submitted comments that were then reviewed by the other members of the Task Force. The comments were then compiled to provide the basis for this report. The comments fell roughly into three categories:

        the relationship of ISBD(CM) with AACR3 and AACR in general;

        issues and problems in the text of ISBD(CM); and,

        typographical and formatting errors.

The focus for the description in ISBD(CM) is those portions of the resource containing cartographic content as it is in AACR2. The proposed AACR3 change, however, to eliminate the concept of content in the SMDs, no longer supports the same focus of description and makes area 5, in particular, inconsistent with ISBD(CM).

This draft of ISBD(CM) contains support for the description of electronic or digital cartographic resources. In addition to adding Digital graphic representation as another definition of area 3, a

new sub-element, Resolution, has been added to the mathematical data in area 3. Resolution is currently handled in a note relating to area 3 in AACR.

Although the order and grouping of notes varies considerably from AACR2, this has historically been true of ISBD(CM).

Relationship of ISBD(CM) with AACR3 and AACR in general

The TF compiled this report with the understanding that the ISBDs are standards which are intentionally less prescriptive than AACR and that they are display and labeling standards for multiple countries using many different sets of cataloging rules. The intention of the TF is to provide comments and recommendations that reflect this purpose of the ISBDs.

ISBD(CM) and AACR have some differences in terminology. Both AACR2 (in 0.22) and AACR3 (in the Structure of the description of the Introduction to Part 1) state, "It was agreed with IFLA that it is not necessary for codes of rules to follow the terminology of the ISBD(G) exactly." Although this may be a question more appropriate for the review of AACR3, the meaning of "exactly" was questioned; and there is a concern about divergence in terminology, that is very basic to all catalogers, which may become accentuated with time.

Terms used throughout ISBD(CM) that are not used or are used differently in AACR3 are:

> "Bibliographic" is ubiquitous in ISBD(CM), while AACR3 attempts not to use this term wherever possible in order to get away from exclusively book-based terminology.

> "Materials" vs. "resources." Using the term "resources" frequently works fine, but the term "materials" is used in ISBD(CM) (e.g., general material designation, material specific details, etc.).

> ISBDs use "physical description area," while AACR3 uses "technical description area." Perhaps two terms are needed: physical and virtual; or tangible and non-tangible? There were many comments in CC:DA's review of the draft AACR3 part 1 which discussed the name of this area, and the TF realizes "technical description" may change in later drafts of AACR3.

> The draft of AACR3 uses the adjective "digital," not "electronic," for describing media or resources that are "encoded for manipulation by a computerized device."

Specific areas where ISBD(CM) differs with AACR3 and AACR in general are outlined below.

p. 2   **Accompanying material**
ISBD still is using the phrase "accompanying material" rather than the AACR3 "ancillary material." The TF prefers the term "accompanying" since in cartographic cataloging both are used: "accompanying" for material outside the map sheet and "ancillary" for additional (maps) on a map sheet.

p. 4   **General material designation (GMD)**
"Class of material" still used in definition.

p. 5   **Resolution (Electronic resource)**
This is not included in AACR but should be. In *Cartographic Materials* resolution is addressed in an application to notes on the Mathematical and other specific details area (7B8 application 5).

p. 6   **Specific material designation (SMD)**
"Class of material" still used in definition.

p. 10   **3.1 Statement of resolution**
This is new and is not currently accommodated in either AACR or MARC21.

p. 14   **0.5.2 Prescribed sources of information.**
If AACR3's rules for prescribed sources are not changed, there will be conflicts.

     0.6 Language and script of the description
The instruction to give interpolations in the language and/or script of the context of that part of the description differs with AACR's instruction to supply place of publication or name of the country, state, province, etc., in English.

p. 20   **1.1.4.1**
Instructs the catalogers to transcribe the title proper "exactly as to wording, but not necessarily as to capitalization or punctuation." AACR3 no longer includes this explicit mention of punctuation as not necessarily having to be transcribed exactly.

The TF suggests that ISBD(CM) specifies inclusion of scale in title proper as does AACR3.

p. 21   **1.1.4.2.1 2nd paragraph**
Instructs the cataloger to add a note to explain that the title was supplied. In AACR3 this instruction is no longer included.

     1.2.2
In AACR3 the general material designation is "cartographic resource" rather than "cartographic material" as in ISBD(CM).

p. 22   **1.3.4.2**
ISBD(CM) consistently puts typography before sequence when choosing the title proper. AACR3 A1.1B7 states "If this criterion [language of main content] is not applicable, choose the title proper by reference to the order of titles on, or the layout of, the chief source of information."

p. 24   **1.4.5.6.2**
ISBD(CM) instructs that other title information in only one language follows all parallel titles rather than the title in its same language This is different than AACR2 1.1E5. and AACR3 A1.1E5.

p. 27   **1.5.4.2**
ISBD(CM) allows the cataloger's judgment or local policy to decide how many
names to transcribe which differs from AACR2 1.1F5 and AACR3 A1.1F5.

p. 36-38   **3.3 Statement of coordinates**
ISBD(CM) has no option for recording coordinates for polygon shapes as there is
in AACR2 and AACR3.

p. 41   **4.1.9**
The instruction to give a qualifier to a place of publication in parentheses does not
agree with AACR and doesn't seem like a normal form of punctuation.

p. 42   **4.1.15**
ISBD(CM) continues the use of "s.l." AACR3 does not allow for it.

p. 43   **4.2.10**
ISBD(CM) continues the use of "s.n." AACR3 does not allow for it.

p. 46-48   **5 Physical description area**
If AACR3's area 5 rules are not changed from the current draft version, there are
many conflicts with what is in the ISBD. ISBD(CM) retains the well organized,
well thought-out stipulations regarding area 5.

p. 47   **5.2 Other physical details**
AACR3 includes "layout," "number of maps in an atlas," "medium," and
"mounting" here. The TF suggests changing the sentence to:
"Other physical details include layout, method of production, number of maps in
an atlas, colour, medium, material from which the resource is made, mounting,
etc."

p. 47   **5.3.1**
ISBD(CM) states that centimeter "is abbreviated as 'cm' or its equivalent in
another language and/or script." Using the word "abbreviated" and not adding a
full stop after "cm" is confusing to the reader and is in conflict with AACR3
A1.0C1 that states "Metric unit symbols such as cm and mm are not considered
abbreviations."

p. 47   **5.3.2**
The second paragraph indicates the focus of the description for ISBD(CM), "the
dimensions given, if not otherwise specified, are the dimensions of the part of the
resource carrying the geographic detail", which differs from AACR3.

p. 47   **5.3.3**
ISBD(CM) conveys some flexibility for describing dimensions that are not simple,
and yet again clarifies what AACR3 does not, that there should be no ambiguity as
to the part of the resource to which the dimensions apply.

Issues and problems in the text of ISBD(CM)

Specific areas where the TF has comments on or suggestions for the text of ISBD(CM) are outlined below.

p. 1   **0.1.1 Scope, 2nd paragraph**
Change "Cartographic resources consist of materials representing ..." to "Cartographic resources consist of representations of ..." The word "materials" implies tangible matter.

p. 3   **Dependent title** and **Dependent title designation.**
These definitions should include individual sheets of a map series in the examples. The examples used aren't relevant to most cartographic resources.

p. 3   **Edition.**
The use of "substantially" in the phrase "all copies of a resource produced from substantially the same original input …" puzzles the TF.

p. 8-9   **Chart for ISBD(G)**
The rule numbers should be labeled in the header for the chart and the header should be repeated at the top of the continuation.

p. 10   **C**
Add area 3 to this list of areas that can be repeated when necessary, for multiple scale statements and for electronic resources that require mathematical data and digital graphic representation.

p. 10-11   **Chart for ISBD(CM)**
The rule numbers should be labeled in the header for the chart and the header should be repeated at the top of the continuation.

p. 10-11   **Area 3**
Should be Mathematical and other material specific details area. Suggest elements for area 3 should be listed as:

>   *3.1   Mathematical data
>   3.1.1   Statement of scale
>   3.1.2   Statement of resolution
>   3.1.3   Statement of projection
>   3.1.4   Statement of coordinates and equinox
>   *3.2   Digital graphic representation
>   3.2.1   Data type
>   3.2.2   Object type
>   3.2.3   Object count
>   3.2.4   Format

p. 10   **3.6.2 Digital graphic representation**
Delete preceding punctuation listed for Digital graphic representation as it is a repetition of area 3 and thus is preceded by point, space, dash, space.

p. 14   **0.6 Language and script of the description**
Area 3 mathematical data and digital graphic representation are generally not considered transcription fields. Change beginning sentence to "Elements in areas 1, 2, 4, and 6 …" The TF wonders if "terms" in the 2nd paragraph applies to representative fractions, which are typically in square brackets if they do not appear on the cartographic resource.

p. 16   **0.11 Symbols, etc**
A possible example for this rule is presented in Appendix E. Multi-level description 1. "[Ed.] A [bar, bar, star]."

p. 22   **1.3.3.**
Suggest "original title" be added to the glossary or use "title of original manifestation."

p. 24   **1.4.5.6.3**
An example would be helpful to clarify the meaning of this instruction.

         1.5.2
The TF is glad to see that colourists and surveyors have been added in the statement of responsibility instructions. It also suggests including other corporate or private mapping agencies besides "governmental mapping agencies."

p. 29   **1.5.4.11.4**
An example here would be most helpful.

p. 31   **2.1.2**
The TF suggests a different example be used here since one has the facility to reproduce asterisks. A possible example for this rule is presented in Appendix E. Multi-level description 1. "[Ed.] A [bar, bar, star]."

p. 31   **2.1.3.2**
An example would be helpful to clarify the relationship to the reference.

p. 34   **Introductory note**
Revise 1st paragraph to "This area contains data unique to a particular class or type of resource. For cartographic resources, this area is used to record mathematical data, i.e. scale, resolution, projection, coordinates, equinox; digital graphic representation; and, for continuing resources, chronology and/or enumeration."

p. 34   Revise 3rd paragraph to "When area 3 is repeated give them in the following
(cont.)   order: mathematical data, digital graphic representation, and numbering related to
serials. "

Add example:
. – Scale 1:10,000. – Raster : pixel ; GIF 87

p. 34   **Contents**
Reformat to:

> 3.1   Mathematical data
> 3.1.1   Statement of scale
> 3.1.2   Statement of resolution
> 3.1.3   Statement of projection
> 3.1.4   Statement of coordinates and equinox
> 3.2   Digital graphic representation
> 3.2.1   Data type
> 3.2.2   Object type
> 3.2.3   Object count
> 3.2.4   Format
> 3.3   Numbering related to serials (or continuing resources)

Add "(Electronic resources)" following "Statement of resolution". AACR does not
accommodate the addition of resolution here.

Add "(Electronic resources)" following "Digital graphic representation"; why is
this "(optional)"?

p. 34   **Punctuation pattern**
Delete H; digital graphic representation is a repetition of area 3 and is covered by
B; renumber I thru K to H thru J.

p. 35   **Examples**
Add 6th example: "Scale statement (coordinates). – Scale statement (coordinates)"
to show the treatment for an item with more than one scale and/or more than one
set of coordinates.

p. 35   **3.1 Statement of scale**
Change to "3.1 Mathematical data" and renumber "3.1 Statement of scale" to
"3.1.1 Statement of scale."

p. 35   **3.1.1** thru **3.1.5**
Renumber to 3.1.1.1 thru 3.1.1.5.

p. 35   **3.1.3**
In the example, the title would probably use French not English "at 1:500 000";
delete other title information ": [France]" as it is not needed with France in the title
proper.

p. 35   **3.1.4**
Mentioning the case of the representative fraction being given in square brackets, somewhat clarifies the possible confusion caused by 0.6.

p. 36   **3.1.6**
Split 3.1.6 into two rules and renumber as 3.1.1.6 and 3.1.1.7:

> **3.1.1.6** When the resource is not drawn or constructed to scale, the phrase "Not drawn to scale" or its equivalent in other languages and/or scripts is substituted for a scale statement.

> **3.1.1.7** When the scale of the resource is not given, the phrase "Scale indeterminable" or its equivalent in other languages and/or scripts is substituted for a scale statement. The phrase "Scale not given" may be used when the scale might be determined but the cataloguing agency chooses not to make the determination.

p. 36   **3.1.7** thru **3.1.8**
Renumber to 3.1.1.8 thru 3.1.1.9.

p. 36   **3.1.9**
Change to:

> **3.1.2** Resolution

> **3.1.2.1** The resolution for electronic resources may be recorded, expressed as the size in metres of the smallest feature that is discernable in the data (usually pixel size or vertex spacing), preceded by the term "resolution: " or its equivalent in other languages and/or scripts.

> > e.g.   , resolution: 1 pixel = 20 m
> >   , resolution: minimum adjacent vertex spacing: 5 m ground distance

p. 36   **3.2**
Renumber to 3.1.3; renumber 3.2.1 and 3.2.2 to 3.1.3.1 and 3.1.3.2 respectively.

p. 36   **3.3.1**
There should be more parallel expression of the wording between the first sentence of 3.2.1 and 3.3.1. Change to "The coordinates delimit the greatest extent of the area covered and may be recorded."

p. 36-37   **3.3**
Renumber to 3.1.4; renumber 3.3.1 thru 3.3.3 to 3.1.4.1 thru 3.1.4.3 respectively.

p. 37   **1st paragraph, first sentence**
Change "North (N), South (S), East (E) and West (W)" to "West (W), East (E), North (N), and South (S)" to reflect the order stipulated in 3.3.2.

p. 38   **3.4 and 3.5**
Renumber to 3.2 and 3.3 respectively.

Add:

> **3.2.1**   **Data type.** Identify the direct reference method (i.e. the system of objects) used to represent space in an electronic resource (e.g., raster, vector, point).
>
> **3.2.2**   **Object type**. Indicate the specific type of point, raster, and/or vector object type(s) used in an electronic resource. Separate multiple types by a comma.
>
> **3.2.3**   **Object count.**
>
> **3.2.3.1**   *Point/vector count.* Give the number of point or vector objects or each type of object used in an electronic resource.
>
> **3.2.3.2**   *Raster object count.* Give the number of rows x columns x voxels (vertical) in a raster electronic resource. Row and column count are used for rectangular raster items. Voxels are used with rectangular volumetric raster items.
>
> **3.2.4**   **Format.** Indicate the format name and version in which an electronic resource is stored.

Move the examples under 3.4 to follow 3.2.4.

p. 39   **D**
Delete D. This doesn't need to be in the list of punctuation as it is no different from any other supplied information and it is sufficient to be in rule 4.3.2; renumber "E" and "F" to "D" and "E" respectively.

p. 41   **4.1.9**
At the beginning of the last line it should be "taken from" rather than "transcribed from".

p. 41   **4.1.13**
Should be "When ... does not appear anywhere in the prescribed sources of information ... "

p. 41   **4.1.14**
There was confusion on the TF about the meaning of "according to the same stipulations as are applicable to the names of cities and towns."

p. 42   **4.2.6**
Does "identifying phrase" mean something such as "The Society" which is no longer allowed under AACR? The phrase is vague and needs to be clarified.

p. 44-45   **4.5 & 4.6**
It is confusing to combine 4.5 and 4.6 like this. It would be clearer to either make one rule covering both place and name or separate them such that 4.5 and subordinate rules only cover place and 4.6 and subordinate rules only cover name.

p. 46   **5.1 Specific material designation and extent**
ISBD(CM) provides no guidance here about how to handle the pagination of a bound atlas. Under 5.3.4 there is reference to more information regarding atlas dimensions available in ISBD(M), and some guidance can be gleaned from the examples under 5.3.4. But there should be something under 5.1.

5.1.2
Add as the 2nd sentence, "For recording the pagination of an atlas consult ISBD(M)." Change 1st example to "1 atlas (x, 250 p.)"

p. 47   **5.3.3**
One of the examples should be expanded to be clearer: "1 map on 4 sheets : col. ; 40 x 60 cm" should probably be interpreted that the assembled map (i.e. geographic detail) is 40 x 60 cm. But it would be clearer to also include the sheet dimensions at the end (e.g., ", sheets 22 x 32 cm."), or if the sheets are 40 x 60 and the map has not been measured, "sheets 40 x 60 cm."

p. 47   **Footnote 7**
This isn't appropriate as "3 1/2 in." refers to a dimension from ISBD(ER) for a computer disk. If using inches instead of centimeters, wouldn't it still be rounded up?

p. 51   **6.3.1 and 6.3.3**
The examples in these two stipulations are basically the same although the stipulations differ. Perhaps an example can be found for 6.3.1 which does not relate to an edition.

p. 51   **6.4.1**
The example that follows the 2nd paragraph doesn't reflect the rule. Change example to ". – Miscellaneous report / Geological Survey of Canada = Commission géologique du Canada", find an actual example, or delete the example.

p. 53   **7 Note area**
Add list of contents as in other areas:

Contents 7.0   System requirements and mode of access (Electronic resources)
             7.1   Notes on title and statement of responsibility area
             7.2   Notes on edition and bibliographic history of the resource
             7.3   Notes on mathematical and other material specific details area
             7.4   Notes on the publication, distribution, etc. area
             7.5   Notes on the physical description area
             7.6   Notes on the series area
             7.7   Notes relating to the contents

p. 54   **7.1.2**
The meaning of the word "form" here is unclear.
Last two examples seem more like summary notes than nature and scope.

p. 54   **7.1.3 & 7.1.4**
It is confusing to combine 7.1.3 and 7.1.4 like this. It would be clearer to either make one rule covering both parallel titles and other title information or separate them such that 7.1.3 only covers parallel titles and 7.1.4 only covers other title information.

p. 56   **7.3.4**
Change to:
Notes on digital graphic representation include details not included in area 3 such as the topology level and the geospatial reference data for the direct reference method (e.g., geographic, map projection, geodetic model) or indirect reference method (types of geographic features, addressing schemes, or other means through which locations are referenced) used.

Add additional rules for the Direct reference method information as outlined in *Cartographic Materials*, p. H-3–H-6.

p. 58   **7.7.5**
The use of "scope" is confusing with 7.1.2. Suggest it could be, "Notes on unusual or unexpected thematic content depicted." or "Notes on matter depicted on the resource, but not otherwise brought out in other areas of the description."

p. 59   **Introductory note, part A**
Change to "one format or part" to agree with 8.1.4.

p. 60   **8.1.4**
Delete last sentence as it is already stated in Punctuation pattern, D.

p. 60   **Footnote 8**
The way this is presented it appears to mean that the cited publication is the "relevant standard" for all "standard numbers." Perhaps it could be given as an example of a "relevant standard."

p. 62   **3.3**
          Need the coordinates for the series coverage on the first level. Also correct the
          analysis results on p. 63.

p. 62   **5.3**
          Need the map or sheet size(s) for the entire series on the first level; wouldn't just
          give a folded size. Also correct the analysis results on p. 63.

p. 70   **Multi-level description**
          It is unclear what the dimensions are for the maps themselves. If the maps are a
          consistent size, it should be in the first-level record; if they are different sizes then
          there should be dimensions for the series as a whole and also be sheet sizes
          included in the second-level records.

Typographical and formatting errors

Overall, there is some inconsistency in the font of the rule numbering, occasionally it switches
to what looks like Times Roman rather than the san-serif font (e.g., 1.1.2, 1.5.2.6, 2.1.1); some
rules have numbering in both fonts. Also there are some inconsistencies in the indentation in
both the examples and in the space between a rule number and the text (e.g., 1.5.2.8, 3.2.2, 4.4,
4.7.3). Besides inconsistencies in type of font, there are problems with inconsistent font size as
well (for example, 1.1.3.1.1, 1.5.4.4, 1.5.4.8 are Arial size 11 while the bulk of the text is Arial size
10.5.)

As the TF reviewed the document, several See references were found to be incorrect. Those that
were caught are noted in the specifics below. The TF suggests that the references be reviewed
thoroughly before publication.

Also as noted in the previous sections, the use of double numbering of rules (e.g., 4.5.1 & 4.6.1
on p. 44 of ISBD(CM)) is confusing for the reader. It would be clearer to make a single rule
number that covers both concepts or delineate the two rules.

Specific typographical and formatting errors are outlined below.

p. 1   **0.1.1 3rd paragraph**
          In the phrase "ISBD(CM) is concerned with current resources in eye-readable
          form, …" insert "cartographic" despite repetition. The phrase would then read
          "ISBD(CM) is concerned with current cartographic resources in eye-readable form,
          …"

p. 1   **0.1.1 last paragraph, last sentence**
          ending full stop is missing.

p. 2   **0.1.3 last paragraph, penultimate line.**
"based on local requirements and needs of users of the catalogue …" Add "the" before needs. The phrase would then read "based on local requirements and the needs of users of the catalogue …"

p. 4   **Map series**
In the phrase "intended by the producer(s) or issuing body or bodies," for consistency repeat the parentheses, so the phrase would be "intended by the producer(s) or issuing body (bodies)."

p. 8   **0.3.1 Outline of the ISBD(G) B.**
For the sentence, "Elements preceded by asterisks can be repeated when necessary," the TF suggests replacing "can be" with "are" which would read "Elements preceded by asterisks are repeated when necessary."

p. 8-9   **Chart for ISBD(G)**
Don't need "area" at the end of the area name in the table as the heading of the column is "Area."

p. 8-9   **Area 3**
Should be Material (or type of publication) specific details.

p. 9   **Area 5 and Area 8**
Continuation line "(optional)" should be indented in list for area 5 and area 8 (twice).

p. 10-11   **Chart for ISBD(CM)**
Don't need "area" at the end of the area name in the table as the heading of the column is "Area."

p. 10   **0.3.2 Outline of the ISBD(CM) B**
For the sentence, "Elements preceded by asterisks can be repeated when necessary," the TF suggests replacing "can be" with "are" so it would read, "Elements preceded by asterisks are repeated when necessary."

p. 15   **0.7.3**
Reference to 4.1.11 is incorrect. Should that be 4.1.15? Also, if 5.3.1 is revised to use the terminology "symbol" rather than "abbreviated" for centimetre, it would no longer be a valid reference here.

p. 15   **0.8, 1st sentence**
The phrase "in those scripts were capitalization is relevant" should be "in those scripts where capitalization is relevant."

p. 16   **0.11 Symbols, etc**
In the phrase "A symbol or other matter …," replace "matter" with "character."

p. 17   **1 H, 2nd line**
Add comma after "common title."

p. 21   **1.1.5 Supplied titles**
Cf 1.1.4.2 heading "Resource without a title proper" These headings should be either both singular or both plural.

p. 22   **1.4.1, end of 1st paragraph**
Replace "of" with "or"; "… identification of otherwise considered important to users" should be "identification or otherwise considered important to users."

p. 29   **1.5.4.11.4, 2nd line**
"Shows" should be "has." "When the individual works have their own statement(s) of responsibility, and the prescribed source of information also has statement(s) of responsibility …"

p. 31   **2.1.3.1**
Reference to 1.1.2.3. should be 1.1.2.6.

p. 32   **2.2, last sentence**
"The parallel statement(s) may be given" might read better as "The parallel edition statement(s) may also be given."

p. 35   **Examples, 3rd example**
Capitalize "Data" as this is the beginning of an area.

p. 38   **3.4, 6th example**
Delete "; VPF2" as topology level is given in area 7.

p. 39   **Contents, 4.3**
Rule number is printed twice and indentation is incorrect.

p. 41   **4.1.9, 2nd paragraph**
Add "is" to "If it considered necessary ..." so it would read, "If it is considered necessary ..."

p. 41   **4.1.9. , 2nd paragraph, 1st example**
The format of the place of publication doesn't agree with the rule, ", Qué." should be "(Qué.)" according to the rule.

p. 46   **5.1.3**
The example needs a carrier such as:
e.g.   . – 1 atlas (6.5 MB) on 1 CD-ROM

p. 47   **5.2.1, 1st example**
Delete ", folded in cover" because that would be recorded in the statement of dimensions.

p. 48   **5.3.3, last example**
Since microfiche is the carrier, the last example should be:
. – 1 map on 1 microfiche : col. ; 15 x 10 cm

p. 48   **5.3.4**
In the sentence "If the atlas measures less than 10 centimetres, the height in given in millimetres" the first occurrence of the word "in" should be "is." The sentence should read "If the atlas measures less than 10 centimetres, the height is given in millimetres."

p. 48   **5.4.2**
The first occurrence of the word "of", following resource, should be "or." The sentence should read "Accompanying material may be described either in the terms in which it appears in the resource or by means of an appropriate specific material designation."

p. 50   **6.1.1, 1st sentence**
The verb, "is given", is missing from the sentence. It should read "The chief title of a series or sub-series is given in the form in which it appears on the ... "

p. 50   **6.1.3, example**
Delete ". –" preceding "e.g."

p. 55   **7.3 Notes on the mathematical and material-specific data area**
Correct heading to "Notes on the mathematical and other material specific details area."

p. 55   **7.3.1 General notes related to the mathematical data area**
Delete "area" following "mathematical data."

p. 57   **7.7.1**
The reference should be 1.1.2.7, not 1.1.2.4.

p. 61   **Appendix A: Multi-level description**

Using two sequences of the same numbering technique (A, B, …) with no "header" to attach them to is confusing and will be difficult to reference.

The first set of numbering (A, B, C, D) has no full stop following the letter and the second set of numbering (A., B.) does.

1st A. The reference should be 7.7.1, not 7.7.

1st C. The reference should be 1.1.2.8, not 1.1.2.5.

2nd B. The reference should be 7.7.4, not 7.7.

p. 61 (cont.) Example under 2nd B. This should not be "1 map" as this is the record for the entire map series. It should be " maps" if the series is not complete or contain the number of sheets if the series is complete as in the French example 2 under multi-level description on p. 67.

p. 62 **1st paragraph**
The reference should be 4.4.9, not 4.4.8.

p. 62 **2nd paragraph**
The reference should be 4.4.10, not 4.4.8.

p. 64 **Appendix B: Bi-directional records**
The presentation of the examples is incomprehensible. In addition to the inconsistent indentation, the relationship between the lines is not at all clear.

p. 65 **Model**
Is not correctly indented.

p. 66-67 **Appendix D: French examples**

Why are height and width given for the accompanying material? Usually only the height is given for a volume.

Examples 3 and 7 do not present the details of the accompanying material in the same way; should the dimension be within or outside of the parentheses?

In the multi-level description, example 1, "chaque feuille" should be "chaque carte."

p. 69-70 **Appendix E: English examples**

The use of a full stop at end of the examples is inconsistent.

In example 5, insert comma (,) between "cm" and "folded."

In example 9, insert "sheets" before "90 x 90" and change "in" to "on" before "12 sheets."

In example 12, insert a full stop following "col" and delete "on" before "sheet 55 x 82 cm" as "on" is already in the statement of extent. Also move slash to mark beginning of statement of responsibility from "... Thames / for all river users from B.C.M. ..." to "... Thames for all river users / from B.C.M. ..."

In example 13, insert a full stop following "col"; delete "ill." as it is not used in the physical description for maps.

In multi-level description example 1, add " – 1 map" at the end of each second-level description.