IFLA Cataloguing Section

ISBD Review Group

ISBD/Linked Data Study Group
http://www.ifla.org/node/1795

Minutes of the ISBD Linked Data Study Group's Meeting
Paris, Bibliothèque nationale de France, 16-18 October 2013

Attendees: Gordon Dunsire, Elena Escolano Rodriguez, Massimo Gentili Tedeschi, Françoise Leresche, Mirna Willer, Patrick Le Bœuf (16 & 18 October), Pat Riva (16 October), François-Xavier Pelegrin (ISSN International Center) (16 October), Michaël Jeulin (18 October)

Skype Attendance: Maria Violeta Bertolini, Lynne Howarth, Dorothy McGarry

1. Resource vs. WEMI

The paper drafted by Gordon Dunsire will be modified so as to reflect the discussions that took place during the Singapore and Paris meetings, notably the FRBR RG's remarks about the label and definition of the 4 new properties: "has aspect" seems better than "has component," which sounds too much like a whole/part relationship: this is not the situation that holds between a bibliographic resource and the FRBR Group 1 entities (WEMI).
The document was revised by Gordon Dunsire in December 2013.

Action 1:
Publish the revised document on the ISBD LD SG's site.
Transmit the document to the ISBD RG and to the Cataloguing Section for validation.
Simultaneously, transmit the document to the DCMI for comments (informal procedure).

Action 2:

Transmit the document to the FRBR RG for validation as well.

Action 3:

Publish these four new properties in the ISBD namespace, with statute: "new proposed". Once they have been validated by the Cataloguing Section, their statute will be shifted to "published."

The document will be transmitted to the ISBD RG along with a text that will contextualize it within the framework of broader current projects, notably the ISBD/FRBR$_{ER}$ mapping and the ISBD revision.

This is because this document, just like the ISBD/FRBR$_{ER}$ mapping (in progress), can fuel the ISBD RG's thinking, and inflect it toward a reflection about the current status of ISBD, and its necessary evolution toward FRBRized bibliographic information published as Linked Data.

Is the current situation satisfying? What will become of ISBD? Will it be restrained to the Manifestation level? Will it be enhanced so as to reflect (totally or partly) Works and Expressions embodied in the Manifestation? How to articulate or combine ISBD with FRBR$_{ER}$?

It should be noted that the ISBD revision, initially scheduled in 2015, cannot start before the completion of the work on the consolidation of the FRBR, FRAD, and FRSAD models, which will not take place prior to 2015. This should not prevent the ISBD RG and the ISBD LD SG from working on mappings

- ✓ to FRBR$_{ER}$, as it is the most widely known model and it is used as a reference by new cataloguing codes such as RDA and REICAT,
- ✓ and to FRBR$_{OO}$, in a more prospective view.

2. ISBD FRBR mappings

The Group has begun to draft the mapping between ISBD properties and FRBR properties. The properties that correspond to ISBD Areas 0–3 and 6 have been examined, along with some properties from Areas 4, 7, and 8.

This incomplete table was transmitted to the SG members. This work will have to be completed as part of the project for 2014.

It should be noted that this mapping is made between the unconstrained properties of the two namespaces.

3. Unconstrained namespaces for ISBD

The publication of unconstrained properties for ISBD was approved during the ISBD Linked Data SG's meeting in Singapore. They will be published in a separate sub-domain of the ISBD namespace.

<u>Action 4</u>:
Publish the document drafted by Gordon Dunsire on the ISBD LD SG' site.

<u>Action 5</u>:
Create a separate sub-domain of the ISBD namespace, and use it to declare the unconstrained properties, i.e., the existing properties but without mentioning either their domain or range, and substituting the term "Resource" (which corresponds to a class in the ISBD namespace) with a vaguer term such as "(some)thing."
During the meeting, Gordon Dunsire made a point that this can be done either by the OMR team for a cost of about €200, or manually by Gordon Dunsire himself, which would amount to a higher cost, considering the time it would require. In either case, he warned the Group that such a work could not be achieved prior to December 2014.

<u>Action 6</u>:
Publish on the ISBD LD SG's site the diagram of mappings between ISBD and other namespaces (inside and outside IFLA) prepared by Gordon Dunsire.
Mention explicitly that this diagram is a version 1 (corresponding to the situation as of July 2013), and that it is expected to be regularly updated.

4. RDF representation of ISBD resources

Gordon Dunsire presented the approach taken to represent legacy records as RDF through an application profile, which is based on the decomposition of the areas into distinct statements (such as a complex title or a title associated with its statements of responsibility), and the definition of rules for the order of the component elements of these statements and areas, and the punctuation that separates them.
Michael Jeulin (ABES) presented how ABES analysed the UNIMARC 200 field (which corresponds to ISBD Area 1), and the problems they met to match the various elements, most notably for resources that embody several works by different authors without a collective title. The properties declared in the ISBD namespace cannot be used in such complex cases, as it is necessary to account for the complete TASOR (Title and statement of responsibility) for each of the embodied works.
It is clear that the unconstrained properties will make it possible to meet the needs identified by ABES, without questioning profoundly the approach that was agreed upon for the current namespace.

<u>Action 7</u>:
ABES and BnF: Use the ISBD unconstrained properties, as soon as they have been published, for the analysis done by ABES.
On the basis of that experimentation, identify lacunae and issues, and notify them to the ISBD Linked Data SG.

Action 8:
ISBD Linked Data SG: Analyse the remarks transmitted by ABES and BnF in order to determine what pertains to the ISBD namespace, and what falls out of its scope and pertains to other namespaces (such as UNIMARC Bibliographic).
Make all required modifications in the ISBD namespace for whatever falls within its scope.

This process can be iterative.

5. Next year project

The last part of the meeting was devoted to the preparation of the project submitted by the ISBD RG for 2014.
It was decided that the work would follow two directions:

1. Mappings between the ISBD namespace and that of the FRBR models: Publish the mapping to $FRBR_{ER}$ and draft a discussion paper about the mapping to $FRBR_{OO}$ (as a research paper)
2. Utilization of the ISBD namespace to publish bibliographic metadata as RDF: Continue the work begun with ABES and BnF, and draft recommendations for the publication of ISBD data as RDF, using this work as a "use case;" work on this topic in coordination with the Namespaces TG.

Funding will be requested for two working meetings, one in Spring and the other in Autumn.

Respectfully submitted,

Françoise Leresche
ISBD Linked Data Study Group chair, March 28th, 2014