ISO/IEC JTC 1/SC 32/WG 2 N1220 WG2

Date: 29 December 2008

ISO/IEC JTC 1/SC 32/WG 2

Data Management and Interchange
Working Group 2
Metadata

DOCUMENT TYPE	Convenor's Report
TITLE	JTC 1/SC 32/ WG 2 Convenors Report, 12-21 November 2008, Vilamoura, Portugal
SOURCE	SC 32/WG 2 Acting Convenor
PROJECT NUMBER	
STATUS	
REFERENCES	
ACTION ID.	FYI
REQUESTED ACTION	
DUE DATE	
Number of Pages File Size (KB) Diskette Number Issue Number Filenames	
LANGUAGE USED	English
DISTRIBUTION	P & L Members SC Chair & Secretariat WG Convenors and Secretaries

Opening Plenary

The interim meeting to discuss the work of the JTC 1/SC 32/WG2 Metadata Programme of
Work was attended by 24 members representing 7 countries: Japan, China, Korea, United
States, United Kingdom, Portugal and Canada. The agenda was reviewed and adopted with
adjustments (WG2 N1194) to accommodate project editors' discussion.

19763-2 BRM
Metadata Framework for Interoperability, Part-2 Core; The project editor, Masao Okabe led a
discussion of the current FDIS draft, (WG2 N1191). Comments by several NBs were discussed,
including suggested changes to diagrams and wording to improve comprehension. FDIS final
draft has been posted to the WG2 document library. Baba Piprani and Steve Harris offered to
review and provide further feedback on the revised document. Revisions to the FDIS were
discussed and will be incorporated, and posted Draft Disposition (WG2 N1212) and Draft Text
(WG2 N1213). The revised document will be informally circulated in November and December
prior to being posted for ballot. Editor will request an extension for FDIS.

19763-4 BRM
Metadata Framework for Interoperability (MFI), Part-4: Model Mapping; The project editor,
Masao Okabe, reviewed comments provided by several NBs Recommendations were made to
clarify terminology used in the text and diagrams and to define the scope better. For both part 2
and 4 the WG2 suggested the project editor add a conformance statement.

Action Item: The revised document will be informally circulated in November and December
prior to being posted for ballot. Editor will request an extension for FDIS.

19763-3
*Metamodel framework for interoperability (MFI) Part 3: Metamodel for ontology registration 2nd
Edition*; (SC32 N1786) Masao Okabe led the BRM meeting to review comments (SC32 N1794a)
on the evolution of the associated guidelines for terminology for consistency. Will continue
editing and reviewing by email to resolve comments, could be moved to "approved', needs to
progress towards FCD in Jan 2009.

19763-5 Update
*Metamodel framework for interoperability(MFI) Part-5: Metamodel for process models
registration* Masao Okabe presented expert review/comments on the 32N1791 WD 19763. He
facilitated a discussion around how best to progress 19763-5. It was agreed that the NBs
needed to review the working draft and provide feedback and comments to the questions raised
in Portugal.

19763-6 Update
*Metamodel framework for interoperability (MFI) Part 6: Model Registration
Procedure*; Project editor Hajime Horiuchi reported on the MFI-6, a name change was proposed
from "Model Registration Procedure" to "Registration Procedure". Part 6 will address a
specification for Registry Syndication, including a notification procedure. A resolution to change

the name was put forth.

19773 BRM
Metadata Registries Modules: Frank Farance, project editor, convened the BRM discussion. It was agreed that NB comments had been addressed, with the inclusion of the resolution to comments discussed today, NBs agreed to continue to move forward, FDIS target is September 2009. Editor to issue the resolution of comments documents and informally circulate the revised draft for review before sending the document for ballot.

20944 BRM
Metadata Registry Interoperability and Bindings; Project editor Frank Farance convened the BRM and discussed ballot issues for each part of 20944. Issues in all parts were discussed and resolutions were agreed upon. The two NBs who had balloted 'disapprove' with comments, agreed they would change their vote to 'Approve' if the items were resolved as discussed during the BRM. The abstaining NB still abstains. The US did not enter a ballot and thus did not participate in the discussion. The FCD will move to FDIS as planned in Feb. 2009. Editor to issue the resolution of comments documents and informally circulate the revised draft for review before sending the document for ballot.

Study Period Discussion: Metamodel for On-Demand Model Detection update
Jian Wang presented a summary of work of the study period, (WG2 N1198). At the study period workshop in Wuhan, it was recommended that there be a registration process for Process Models (19763-Part-5) (WG2 N1199), Services (19763 Part-7) and Roles/Goals (19763 Part-8). There was also discussion around the need for a metamodel for on-demand model selection in a Services Oriented Architecture (SOA).   WG2 participants agreed that registration of Roles and Goals should be split into a separate part. Consensus was reached that the study period should to refine the definition of a "Service" and coordinate with the New Metadata Standards Study Period led by Denise Warzel to incorporate Service registration metamodel input and feedback, and that the study period group look at ISO/IEC 10746 RM-ODP (Reference Model for Open Distributed Processing) to determine whether there is overlap or need to coordinate.

Study Period Update: Metadata Registry for Semantic Web
In-Wha Jeong presented an interim report on the evaluation of how to use MDR content to expose information to Semantic Web. WG2 was supportive of the work, the study period will continue with directive for the group to look at how it relates to 11179-3 Ed 3 and report back at the Korea WG2 Plenary.

Study Period Update: Metamodel for Registry of Registries (ROR)
Haijime Horiuchi reported on the ROR meeting in Wuhan. (WG2 N1181, WG2 N1182) New documents have been uploaded to the SC32 web site. WG2 recommended that work on this standard progress as Part-7 as proposed in Sydney, and that a new Study Period be formed to ensure/review that 19763 6-7-8 are aligned with 11179 parts 3, 5, and 6.

Study Period Update: New Metadata Standards
Denise Warzel has set up a wiki page to collect members research on the three areas under discussion: Forms, Services and Terminology metadata standards. An informal meeting was held simultaneous with WG2 meeting in Portugal in which WG2 members and non-members joined in discussion and presentation about current related initiatives. There was general agreement among participants that the Services metadata model work would probably merge into the 19763-6, the Terminology metadata model work with 19763-3 Ontology Registration, and that Forms metamodel might be another part of 19763, with work to harmonize several overlapping forms standards into one, CDISC's Object Definition Model (ODM), and HL7's

Clinical Document Architecture (CDA) are two such models. Laura Reece presented her research on additional sources for requirements from Geospatial for forms metamodels and registries. Work will continue with a formal report in Korea at the WG2 Plenary.

PAS Discussion: UOML (Unstructured Operation Mark-up Language) Part 1 Version 1.0

The OASIS Unstructured Operation Markup Language eXtended (UOML-X)) Technical Committee is interested in submitting the standard as a PAS submission to JTC 1, possibly with SC 32 taking responsibility within JTC 1. The WG2 was asked to consider sponsoring *UOML Part 1 Version 1.0: Operation specification for unstructured documents.*

This part specifies primitive operations for unstructured documents, including 1)abstract document model consisting of various UOML objects, and 2) the corresponding abstract operations on these objects.

WG2 NB's mutually agreed that this standard is not appropriate for WG2.

([WG2 N1197](#) and [WG2 N1196](#)) This document describes an OASIS Standard, approved 10 October 2008, defining a markup language for unstructured document operation, definitions of abstract document model and document operating instructions to the abstract document model.

11179 Ballot Resolution Meeting

Ray Gates reviewed comments on 11179-3 Edition 3. [WG2 N1195](#) The US had a lot of comments. Laura Reece offered to consolidate comments for the US, and the US HOD, Frank Farance said they would make it a priority to review and propose resolutions to their comments. Frank Farance, Kevin Keck and Dan Gillman of the US are to write a document to explain the use of the term "relation" in Edition 3. Ray will circulate a "sneak-peak" incorporating the comment resolutions before posting a new CD 2 sometime after the first of the year.

Action Item: NBs with 11179 Registries who have implement Reference Documents should send a note to Ray Gates so that he can compare them to see how and whether the new edition will be able to handle them. There is a need expressed by Canada to be able to record that one document contains multiple languages. There was discussion around the choice of Multi-text datatype for the Reference Document Language attribute to address this requirement. The UK felt that it might not be the best choice as it would create interoperability problems around choice of delimiters, etc. and that this was more of a programming technique to put two instances into one database table/row/column and may not be appropriate in a metadata standard. Kevin Keck agreed to look again at how best to support the need to support this requirement in the next draft of the CD, and to discuss this among the US L8.

Frank Farance discussion around US proposal for an SC32/WG2 Study Period on Standardized Concept Systems and Semantic Descri[ptions for Merged Core Ontology (MCO)

Frank Farance introduced and discussed a proposal from the US for a Study Period on the standardization of concept systems and semantic descriptions for the MCO. ([WG2 N1187](#)). The MCO combines three internationally developed ontologies ([Basic Formal Ontology](#) (BFO), [Suggested Upper Merged Ontology](#) (SUMO) and [Descriptive Ontology for Linguistic and Cognitive Engineering](#) (DOLCE)) to provide a baseline ontology for developing class of applications (domains). The study period would investigate whether and which features need standardization, and the timing and development of their standardization (single standard, multi-part standard, etc.). The WG2 recommend that this be put forth for consideration as a Resolution.

Frank Farance and Dan Gillman Update
Frank Farance presented his and Dan Gillman's ideas around issues with 11179 Ed 3 and how to improve the understandability and adoption of it. WG2 recommended, and Frank agreed, to ask L8 to conduct a series of discussions in which these issues can be taken individually and resolved. US HOD, Frank Farance, agreed to take this back to the US L8 to continue discussions.

WG2 Programme of Work
SC 32 Secretariat, Tim Schoechle circulated the current program of work and requested that project editors provide him with updated dates as soon as possible. WG2 Convenor will follow up with project editors and update the document following the meeting.

Semantic Metadata Mapping Project (S-MMP) Study Report
Tae-Sul Seo presented a report of the progress on the S-MMP study report. The objectives of the study report are to develop a process for mapping between data elements that have already been developed and cannot be redefined using ISO 11179. The 4-step process is described in 32N1658-WG2-N1042-RequestforStudyPeriod_Semantic-Harmonization.doc. The group is making good progress and will make final report in Korea WG2 Plenary meeting.

NB General Action Items:

WD 11864 – Feedback requested
ISO TC 171 SC2 invites JTC1 SC32 to participate in a joint working group to develop a work item in our program of work, ISO/WD 11864, Document management – Guidelines for the creation of a metadata crosswalk systems. Members of the US, Japan, Korea and the UK delegation offered to review the document and provide comments.

Bugzilla
Delegates discussed that NBs should be more diligent about following procedures in Bugzilla. Particularly with diagrams, comments or problems should be posted and proposed resolutions along with rationale so that incremental change are more easily detected and understood. All NBs agreed to try to do this more regularly in the future. Change to the diagrams in ISO 11179-3 Ed 3 were raised as being of particular concern because there are so many diagrams, its hard to keep track of whether there has been a change to a given diagram, and if so, what is was.