

OMG Liaison SC Agenda – Long Beach, CA  
Dec 8, 2009

Chair: Tom Rutt - Fujitsu

## 1. Administrivia

Attendance

Approval of minutes from the San Antonio Meeting [liaison/2009-09-02]

## 2. Disposition of Action Items:

- \* [SMSC] Provide the list of OMG document numbers to publish as MOF and XMI aligned with UML 2.1.1 (with associated support files). – still waiting for RTF output -

- \* [Tom Rutt] Develop MOF/XMI Version 2.x explanatory report. – waiting RTF output

- \* [Elias Kendall / Evan Wallace] Produce draft ODM Explanatory Report. – waiting for RTF output.

- \* OMG liaison relationship with ISO TC184 – Andrew will continue on his action item to determine the status and class of this liaison with SC02, need to determine category of liaison.

- \* Jishnu will work with Joel Fleck to have him give a presentation on Autonomic Computing Forum to an appropriate set of Task Forces at a Future OMG meeting. – Still open – they need to finish incorporation.

- \*: Andrew and Don will determine the current status of OMG liaison / cross membership with LISA, with the goal of having Don become an OMG liaison contact with LISA.

- \*: Andrew to report on status of FPL at the next Liaison SC meeting

- \* Tetsuo will provide Juergen with copies of the liaison agreements ISO TC184 SC02 which have taken place. He will send all the materials on the Liaison@omg.org SC email list.

- \* ADM/KDM Tom and Andrew will contact SC07 WG19 initiate the Ballot Resolution Team and feed the RTF report as an input for resolving the NB comments. – Tom contacted WG19 Chair and proposed that OMG send in our proposed resolutions based on the adopted RTF Outputs for ADM/KDM and UML 2 infra and Super. –waiting for Board Approval of RTF outputs

- \* Tom will provide a short explanation to the SOA ML FTF, of the potential to progress SOA ML thru the JTC1 PAS process. – defer until a decision is reached in JTC1 on disposition of a new SOA and web services wg is determined.

- \* Nishio took a new action item on investigating the establishment of a Class A liaison (allowing OMG to submit specs for Fast Track DIS ballot) with TC211.

- \* Andrew will create a cleaned up version of the RTF output convenience document (the RTF convenience document ptc/09-05-02 with section 12.1.1 removed) for discussed

at the October SC07 WG19 meeting. This is not the formal submission, and will be given a PAS document number.

\* Tom and Andrew will send the Draft Explanatory report and the cleaned up convenience document for OCL 2.1 to the wg19 meeting for their initial review, in preparation for the official PAS submission.

\* Tom will send a status update to the SC07 WG19 meeting suggesting process of:

- Circulating the rtf resolutions for UML 2.3 and ADM/KDM 1.2 as proposed resolutions to the NB comments.
- If no NB expressed concerns about these proposed resolutions, we could consider the comments as resolved, without requiring the formation of a ballot resolution team.

\* Andrew will inform JTC 1 secretariat that the OMG is withdrawing CWM submission.

### 3. Reports of existing liaisons

#### 3.1 TC37 Liaison Report

#### 3.2 SDR Forum

### 4. Review of new and potential liaisons

- o FIX Protocol Limited (FPL) –
- o ISO TC184 / SC02 – ROBOTICS
- o TC211 Geographic Information / Geomatics)

potentials for new liaison with ISO group for progressing Robotics Localization.

- o ISO TC184/ SC04 – Industrial Systems –
- o The Open Group's Business Architecture WG
- o LISA (Localization Industry Standard Association)

### 5. Review of Plans For Standardization

o OCL 2.1 – RTF completed, draft explanatory report provided by Mariano liaison/09-09-01

o CORBA 3.1 – JTC1 SC07 ballot closed, waiting for OMG response to summary of replies.

Tom posted the comments for Japan as OMG issues. After someone prepares proposed resolutions for these comments, we could progress them as urgent resolutions thru the AB to produce a revision containing these resolutions.

- o UML 2.1.2 – JTC1 SC07 ballot closed, waiting for OMG response to summary of replies.

We need to send proposed resolutions of the ballot comments to JTC1/SC07, as soon as the UML 2.3 RTF report and convenience document are approved at the OMG Board level.

- o ADM/KDM – OMG KGM V1.1 JTC01 ballot in SC07 ballot closed ,waiting for OMG response to summary of replies.

We need to send proposed resolutions of the ballot comments to JTC1/SC07, as soon as the ADM/KDM 2.2 RTF report and convenience document are approved at the OMG Board level.

- o CWM – Electronic Ballot Resolution group progress with CWM RTF agreed to formally withdraw CWM PAS submission from progression in JTC1.

- o MOF and XMI – still waiting for RTF output

- o ODM – waiting for OMG RTF output finalization, and preparation of Explanatory report.

- o SBVR – waiting for RTF output for a document to submit as fast track ballot.

- o UPDM

6. Status of OMG PAS Submitter Renewal

7. Any other business arising

# OMG – TC 37 Liaison Report

ISO TC 37 Advisory Group

9<sup>th</sup> August 2009

- ❖ ISO TC 37/SC 1 Resolution R 08-7 E (WG5): OMG Submission of its “Semantics of Business Vocabulary and Business Rules” specification under the ISO Fast Track Procedure
  - Development of applied cooperative procedure for the ISO Fast Track Process and the OMG (Object Management Group) standards process is complete except for a final review at the time the procedure is activated.
  - The OMG (Object Management Group) work on resolving the Issues left open on the SBVR (“Semantics on Business Vocabulary and Business Rules”) specification when it was finalized and published in January 2008 has not yet been completed. It was felt that the collaboration between ISO TC 37 and the OMG on this standard would go much more smoothly if these Issues were resolved before the OMG submitted SBVR to the ISO Secretariat.

There are two reasons for the delay. First, the nature of the SBVR Open Issues combined with the make up of this particular OMG Revision Task Force means that Donald Chapin has had to provide almost all the impetus, and do much of the detail work on the resolutions personally. Second, while Donald was able, for two years, to work on SBVR full time, this past year he has had to focus on income producing work. Therefore, he has been able to spend only about 15% of his time on SBVR – when SBVR Issues required nearly full time to be completed relatively quickly. The plan is for the OMG to deliver the SBVR specification to ISO TC 37 by the end of this year.

- ❖ ISO TC 37/SC 1 Resolution R 08-5 E (WG3): Revision of ISO 1087-1
    - The focus of the revision of ISO 1087-1 is to clarify its terminological entries and bring them into line with the revision of ISO 704 whose terminology this is. It is also to implement changes required by harmonization of terminology across all ISO TC 37 standards.
- Since the OMG’s SBVR standard is built on top of the foundation of ISO 704 and 1087-1, additional ambiguities in ISO 1087-1 were discovered in the process of the development of SBVR. The process of adopting SBVR as an ISO standard will need to include harmonization of clarifications of ISO 1087-1 concepts as they were adopted into SBVR with their definitions in the current version of ISO 1087-1.
- ❖ ISO TC 37/SC 1 Resolution R 08-8 E (WG5): Develop TR 24156 into an ISO Standard
    - ISO TR 24156 defines the use of UML notations symbols and as syntax to express graphically the relationships in terminological dictionaries defined using ISO 704 and 1087-1. It is effectively an *informal* “UML Profile” for ISO 704 and 1087-1.

There is also an *informal* UML Profile for SBVR (*and ISO 704 & 1087-1 because SBVR adopts its foundation concepts from them*) in the SBVR Specification (Annex H). ISO TR 24156 and SBVR Annex H need to be harmonized and a *formal* UML Profile definition, usable by UML software tools, created for the integrated version of ISO TR 24156 and SBVR Annex H. This work would flow naturally out of the harmonization of SBVR and

ISO 704 & 1087-1 during the SBVR adoption process. OMG members have the technical expertise to create high quality UML Profile definitions.

❖ ISO TC 37/SC 1 Resolution R 08-1 E (WG2): Revision of ISO 860

- SBVR strengthens ISO 704 and 1098-1 characteristics, intensions, concepts, and definitions by underpinned them with a formal logic interpretation. This provides a largely objective basis for determining whether two concept definitions represent the same concept or two different concepts. This capability added by SBVR is fundamental to semantic integration of terminologies, as well as integration of separated defined data in IT systems.

The new revision of ISO 860 is an opportunity to add specific good practices in harmonization of terminology based on the additional logic in SBVR supporting the ISO 704 and 1087-1 concepts of characteristic, intension, concept and definition. There may be some work going on the in BioHealthcare industry that could provide input to these good practices. The OMG has a joint standards development program with HL7 and is currently working on an IT standard for Common Terminology (IT) Services.

❖ ISO TC 37/SC 1 Resolution R 08-3 E (WG 2): Preliminary Work Items for Proper Names

- OMG members who have linguistic analysis or entity identification based products could well be interested in this standard. When the definition of this project is clear, it will be circulated among OMG members to solicit interest.

❖ ISO TC 37/SC 4 Resolution 2008-28 (WG 2): NWIP 24621 Language resource management – Semantics and terminology of time – Part 1: Temporal ontology and reasoning

- This is intended to be either a collaborative development, or an ISO adoption of, the in-process (*equivalent to ISO CD stage*) OMG specification for a Date-Time Vocabulary (terminology / terminological ontology) that has SBVR, ODM (OWL), and UML versions that are semantically equivalent.
- It has been determined by joint conversations between the ISO 24617-1 team and the OMG Data-Time Vocabulary submission team that this is complementary to and no overlapping with 24617-1. What still needs to be done is to identify ISO experts who would like to collaborate with the OMG submission team to make the OMG Data-Time Vocabulary document and this ISO “Part 1: Temporal ontology and reasoning” document one and the same document; or for ISO TC 37/SC 4 to decide that it does not want a collaborative development on this topic, and that it will wait until the OMG submits its Data-Time Vocabulary standard to ISO Fast Track process.

One of the things to be worked out is different working styles: quarterly meetings for ISO TC 37/SC 4 vs. teleconferences for OMG submission teams.

❖ ISO TC 37/SC 4 Resolution 2008-28 (WG 2): NWIP 24620 Language Resource management – Simplified natural language – Part 1: Fundamental principles for the simplification of natural languages

- The OMG’s interest in this standard is as it provides the foundation for part 2. A particular criterion for success would be that it does not artificially change natural language grammar or introduce new artificial structures or interpretations to it. Rather, it should provide principles and good practice for identifying the simplest, least ambiguous existing natural language grammar structures.

- ❖ ISO TC 37/SC 4 Resolution 2008-28 (WG 2): NWIP 24620 Language Resource management – Simplified natural language – Part 2: Simplified natural language and symbols for SBVR notations
  - This standard is critical for the full, everyday exploitation of ISO terminology standards as enhanced by SBVR. Defining artificially controlled natural languages for use by people who operate organizations would be counter-productive. The ability to state definitions and business policies/rules in simplified natural language that has an unambiguous interpretation in formal logic is the cornerstone for:
    - Unambiguous, easily translatable documentation of the business and products/services of organizations.
    - Supporting semantic integration of separately defined terminology, now increasingly important with the uptake of TBX.
    - Bridging between the way people who operate organizations actually think, talk and write and IT systems that actually use that language in their screens and reports and operate according to their policies/rules.
    - Exploiting unambiguous terminology and business policy in many ways in IT systems, especially in the massive data integration and master data management problems faced by organization today.
  - A first draft of an OMG Request for Proposal (the equivalent of a much more detailed NWIP) has been circulated at the OMG. Some work is being done in this area on the OntoRule EU Framework 7 project.
- ❖ ISO / TC 37 Resolution 2008-2: Implementation of MOU Between ISO and the OMG
  - There is an open action from this resolution for each SC of ISO/TC 37 to nominate 1 or 2 experts to a coordination group between ISO/TC 37 and the OMG. The OMG already as a Liaison Subcommittee which handles all relationship with other standards organizations.