

OMG Domain Technology Committee
Friday 9 March 24, 2017
Reston, VA USA
OMG document dtc/17-03-01

Andrew Watson determined if the DTC is quorate. Quorum was 5; there were 11 DTC voters present. The DTC was called to order at 9:05 a.m.

First order of business was approval of the Coronado DTC minutes (dtc/16-12-01).

Richard Beach (Bloomberg LP) moved to approve the minutes.

J.D. Baker (Sparx Systems) seconded the motion.

Brad Kizzort (Harris) proposed White Ballot.

There was no objection to White Ballot.

Motion carried.

Next order of business was **SUBGROUP REPORTS**.

Uwe Kaufmann reported on the activities of the *Manufacturing Technology & Industrial Systems Domain Task Force*:

Highlights from this Meeting:

- Variability Modeling in PLM, PLE and SysML compared – report from GfSE Workshop (Uwe Kaufmann –ModelAlchemy) mantis/2017-03-01
- System and Analysis Integration for Production & Logistics Systems - Discrete Event Logistics Systems (DELS) (Timothy Sprock, Conrad Bock – NIST)mantis/2017-03-02
- Continued discussion on Model Lifecycle Management in SysML V2 RFP, relationship to PLM-MBSE integration

Deliverables from this Meeting:

- Technology Adoption Recommendation(s)
N/A
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s)
N/A

Future Deliverables (In-Process):

- Technology Adoptions
N/A
- RFP/RFI Recommended or Other Recommendations
N/A
- Liaisons
GfSE (German chapter of INCOSE) PLM4MBSE WG

Agenda Items for the Next Meeting:

- Narrow scope for one or more PLM-MBSE integration RFPs

Fred Cummins reported *on Business Modeling and Integration Domain Task Force* (BMI DTF) activities:

Highlights from this Meeting:

- Presentation on status of the UML Profile for ArchiMate™ submission and vote on revised submission date, JD Baker (bmi/17-03-03 feedback on draft, and bmi/17-03-04 presentation)
- Presentation on Data Residency WG efforts and working document, Claude Baudoin
- Review and revisions of Business Architecture Core Metamodel (BACM) RFP, vote to recommend and approved by the AB (bmi/17-03-07)

Future Deliverables (In-Process):

- UML Profile for ArchiMate™ revised submission date May 8, 2017
- Business Architecture Core Metamodel Initial submission date February, 2018

RFP/RFI Other Recommendations

- Business Architecture Core Metamodel (BACM) recommended for issue

Agenda Items for the Next Meeting:

- Revised submission for UML Profile for ArchiMate™
- Potential recommendation of a Risk Management RFI

Cory Casanave reported on the *Government Information Sharing and Services Domain Task Force* activities:

Highlights from this Meeting:

Monday 15th

- Re- Elected Pamela Wise-Martinez as co-chair
- Presentation from Pamela Wise-Martinez on Pension Benefit Guaranty Corporation (PBGC)'s plans for a conceptual reference model and information sharing specification for pensions
- Discuss outreach to government in “Empowering Government” meeting (presentation follows): <http://www.omg.org/cgi-bin/doc?omg/2017-03-04>

Processes

- There are no current GovDTFProcesses—there is interest on multiple tracks

Brussels - TBD

- Possible Empowering Government Meetup
- Open to EU centric topics

Geoffrey Biggs reported on the activities of *the SysML v2 RFP Working Group* activities:

Goal:

- Increase effectiveness of system modeling environment and MBSE through enhanced:
 - Precision
 - Usability
 - Interoperability
- 3-day working group meeting Tuesday through Thursday
- Excellent active participation in all three days
 - Approx. 25 participants in person
 - Many online participants throughout
- Planning session on Thursday afternoon
- SysML v2 RFP WG continues to work on the requirements for the SysML v2 RFP
- Initial requirements presented at this meeting
- Received significant constructive feedback, made considerable progress
- Review Initial draft requirements
 - API requirements
 - Service requirements
 - Systems Engineering Concept Model (SECM)/Data Model requirements
 - Usability requirements (tbd)
- Review/update plans and model-based approach for SysML v2 RFP

Approach:

- Enhanced model construction and visualization capabilities
- Improved data model with similar scope as current SysML
 - Based on industry standards for systems engineering
 - Not constrained by UML data model
 - Grounded in logical formalisms
- Standard API (defined services) to improve interoperability and model access

Ron Townsen reported on the activities of the *C4I Domain Task Force*:

Highlights from this Meeting:

- Received Initial Response from SimVentions and Thales for TACSIT Data Exchange
- Responses (TEX)
- Discussed Changes to Navigation RFP to support issuing (Possible in Belgium Meeting)
- Discussed Requirements to Real-Time DDS Monitoring RFP...will be posted for hopeful
- DDS User Inputs
- Pushed off Tagging/Labeling RFP for additional US needed inputs
- Meeting with SPACE DTF to go over ALMAS Standard design and usage

Votes from this Meeting:

- Delay TACSIT Data Exchange Final Submission till August 2017 (4 week rule)

Deliverables from this Meeting

- None

Future Deliverables (In-Process):

- RFP for Data Labeling/Tagging (2017)
- RFP for Military Vehicle Navigation Interface to Applications (2017)
- RFP for Real-Time Monitoring of DDS Network (2017)
- Tactical Situation Display Data Exchange RFP Response (2017)

Liaisons

- None

Agenda Items for the Next Meeting:

- Review of updates on RFP's
 - Data Labeling/Tagging
 - Military Vehicle Navigation Interface to Applications
 - Real-Time Monitoring of DDS Network

Brad Kizzort reported on the activities of the *Space Domain Task Force*:

Highlights from this Meeting:

- Joint meeting with C4I to explain ALMAS specification to Space DTF for use / specialization in the Space Domain.
- NASA Goddard walked through some of the modeling done as they prepare their Command & Control Message Specification (C2MS) for future RFC
- Suspended progress on the Satellite Schedule Exchange RFP until USAF
- EGS program can determine whether an emerging draft CCSDS specification can be adapted to their usage.
- Joint meeting with Ontology PSIG to discuss Satellite Operations Vocabulary RFI and possible paths forward

Deliverables from this Meeting:

- None

Future Deliverables (In-Process):

- XTCE 1.2 RTF Report
- Ground Data RFP
- GMSEC RFC
- Cubesat Reference Architecture RFC
- JSON PSM for GEMS RFC/RFP

Votes

- Voted to suspend progress on the scheduling RFP

Agenda Items for the Next Meeting (Brussels/New Orleans):

- XTCE 1.2 RTF Report

Mike Bennett reported on the activities of the *Finance Domain Task Force*:

Highlights from this Meeting:

- Update on FIBO work
- Update on plans from EDM Council to rationalize FIBO submissions into consolidated FIBO RFCs each quarter
- State Street Proof of Concept
- Use of SMIF in CCM for FIBO SME Validation
- Semantics for Pension Insurance Ontology
- FIGI update
- How BIAN plans to use FIBO

Deliverables from this Meeting:

Technology Adoption Recommendation(s)

N/A

RFP/RFI/RFC Recommendation(s) or Other Recommendation(s)

N/A

Future Deliverables (In-Process):

- Technology Adoptions
 - N/A
- RFP/RFI/RFC Recommendation(s) or Other Recommendations
 - EDM Council FIBO Consolidated RFC expected June

Liaisons

- No formal liaisons but we continue to pursue informal liaison with ISO TC68, FIX ACTUS, XBRL, BIAN); update on BIAN

Agenda Items for the Next Meeting:

- EDM Council on FIBO consolidated submission
- Distributed Ledger WG update and workshop
- Pensions semantics and data updates?

Nakamura-san reported on the activities of the *Robotics Domain Task Force*:

Highlights from this Meeting:

Robotics Plenary: (5 participants)

- 2 WG Reports
 - Hardware Abstraction Layer WG [2017-03-04] HAL4RT 1.0

- Robotic Functional Service WG [2017-03-05] RoIS 1.2
- 1 Contact Report (JASA)
 - ISO/TC299(Robots and Robotic Devices) WG6 [2017-03-03]
 - Result of ballot NWIP ISO 22166-1, Robotics -Modularity for service robots -Part 1: General requirements –Approved
 - Agree: 17, No: 0, Abs: 7
 - Stage (20.00: 9, 20.20:4, 30.00:2)
 - 322 comments (197:Japan, 64:Korea, 24:Germany)

Deliverable from this Meeting

- None

Future deliverables (In-Process):

- HAL4RT 1.0 Specification
- RoIS 1.2 Specification

Next Meeting (in Brussels):

- Review of Robotic Service Ontology RFI (tentative)
- Review of HAL4RT 1.0 FTF Report

Jerry Goodnough reported on behalf of the Healthcare DTF chairs on the activities of the *Healthcare Domain Task Force*:

Highlights of this Meeting:

- Conducted second edition of BPM for Health workshop. Very well attended. A community of practice is forming. Goal to use BPMN/CMMN/DMN as core for portable health workflows. Next Steps:
 - Develop a modeling “Field Guide” for the health vertical to govern practices for portable clinical workflows
 - Develop a pilot implementation in support of a mental health use case
 - Intention to deliver by September 2017
- Discussed, revised, and voted to issue MDMI RFP2. Passed AB on 3/23.
 - Rationale was to address enhancements to scope from version 1.0. This includes establishing a “Referent Index” as part of the specification, as well as addressing relationship between mapped elements and formally expressed terminologies.
- Received incremental update on status of Ordering Service submission. Revised submission is on track for adoption in June.

Deliverables from this meeting

- MDMI RFP2 (health/17-03-07)

Future deliverables

- Conduct gap analysis between Healthcare Pub/Sub and OMG Specification Stack for potential White Paper/Implementation Guide (health/161203)
- Revised submission for Order Service expected for June 2016 (Brussels)

- Revised submission for Coordination of Care Service expected for June 2016 (Brussels)
- Determine formal status of “BPM Health” Community. “Field Guide” and “Pilot Implementation” expected for September 2017.
- Develop Health Reference Architecture and Roadmap (in collaboration with HSPC and others)

The next order of business was **RFP/RFC/RFI/RFR/WHITE PAPER ISSUANCES.**

Claude Baudoin (cebe) moved to issue the Business Architecture Core Metamodel (BACM) RFP (OMG document number bmi/2017-03-07).
 Richard Beatch (Bloomberg LP) seconded the motion.
 J.D. Baker (Sparx Systems) proposed White Ballot.
 There was no objection to White Ballot. Motion carried.

Char Wales (MITRE) moved to issue the MDMI Version 2 RFP (OMG document number health/2017-03-08).
 Richard Beatch (Bloomberg LP) seconded the motion.
 J.D. Baker (Sparx Systems) proposed White Ballot.
 There was no objection to White Ballot. Motion carried

The next order of business was **SUBGROUP CHARTERS/EXTENSIONS/CHANGES.**

J.D. Baker (Sparx Systems) moved to charter the second SysPISF 1.0 FTF with the following dates and membership.

SysPISF 1.0 FTF 2

Contact: sypisf-fff@omg.org

TF Chairs: Mr. Conrad Bock Mr. Nerijus Jankevicius

IPR Mode: Non-Assert

List of Issues: SYPISF

Schedule		
Event	Date	Notes
<u>Base document(s)</u>		<i>Relevant documents:</i> dtc/16-07-01 (SysML Extension for Physical Interaction and Signal Flow Simulation Beta 1 document) mantis/16-03-11 (4th Updated SysML Extension for Physical

		Interaction and Signal Flow Simulation Inventory File (SysP) mantis/16-02-03 (SysPISF XMI files (zipped))
<u>Voting List Deadline</u>	March 24, 2017	
<u>FTF Comments Due</u>	June 1, 2017	
<u>FTF Report Due Date</u>	August 28, 2017	
<u>FTF Recommendation and Report Deadline</u>	October 6, 2017	

Voting List:

Company	Date	Notes
Airbus Group		<u>Mr. Yves Bernard</u>
Commissariat a l Energie Atomique-CEA		<u>Mr. Matteo Morelli</u>
InterCAX		<u>Dr. Manas Bajaj</u>
MITRE		<u>Ms. Laura E. Hart</u>
ModelAlchemy		<u>Mr. Uwe Kaufmann</u>
ModelFoundry		<u>Mr. Sam Mancarella</u>
NIST		<u>Mr. Conrad Bock</u>
No Magic, Inc.		<u>Mr. Nerijus Jankevicius</u>
Office of the Secretary of Defense		<u>Mr. Leonard F. Levine</u>
PTC		<u>Mr. Andreas Korff</u>
Softeam		<u>Mr. Etienne Brosse</u>
Sparx Systems		<u>Mr. James D. Baker</u>
The Charles Stark Draper Laboratory		<u>Mr. Barry Steer, Ph.D.</u>
Universidad de Cantabria		<u>Dr. Julio Medina</u>
oose Innovative Informatik eG		<u>Dr. Tim Weilkiens</u>

Bobbin Teegarden (No Magic)) seconded the motion.
Richard Beatch (Bloomberg LP)) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

Char Wales (MITRE) made the composite motion:

- To extend the DTV 1.4 RTF report deadline to 16th June 2017
- To extend the SBVR 1.5 RTF report deadline to 16th June 2017
- To extend the FIBO BE 1.2 RTF report deadline to 16th June 2017
- To extend the FIBO FBC 1.1 RTF report deadline to 16th June 2017
- To extend the FIBO IND 1.1 RTF report deadline to 16th June 2017

Richard Beach (Bloomberg LP) seconded the motion.
Bobbin Teegarden (No Magic) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Char Wales (MITRE) made the composite motion:

- To extend the XTCE 1.2 RTF report deadline to 6th October 2017
- To extend the Records Management Services 1.1 RTF report deadline to 6th October 2017

Richard Beach (Bloomberg LP) seconded the motion.
Bobbin Teegarden (No Magic) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Char Wales (MITRE) moved to extend the VDML 1.1 RTF report deadline to 15th December 2017

Richard Beach (Bloomberg LP) seconded the motion.
Bobbin Teegarden (No Magic) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Char Wales (MITRE) made the composite motion:

- To extend the GEMS 1.5 RTF report deadline to 30th March 2018
- To extend the UPDM 2.2 RTF report deadline to 30th March 2018

Richard Beach (Bloomberg LP) seconded the motion.
Bobbin Teegarden (No Magic) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Brad Kizzort (Harris) moved to install Dave Carlson of the Department of Veteran Affairs as co-chair of the second AML FTF

Char Wales (MITRE) seconded the motion.
Bobbin Teegarden (No Magic) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Brad Kizzort (Harris) moved to replace Rob Andzik by Luis Rodriguez as Amergint voter on the XTCE 1.2 RTF

J.D. Baker (Sparx Systems) seconded the motion.
Bobbin Teegarden (No Magic) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

The next order of business was initiation of the **TECHNOLOGY RECOMMENDATION** polls.

Before the DTC on 24th March, 2017 was the following report:

FIBO FND 1.2 RTF report	dtc/17-02-01
Revised specification (clean)	dtc/17-02-02
Revised specification (change bars)	dtc/17-02-03
RDF/XML Serialized OWL Files (normative)	dtc/17-02-04
RDF/XML Serialized OWL Files (informative)	dtc/17-02-05
ODM UML XMI Files (normative)	dtc/17-02-06
ODM XMI Files (normative)	dtc/17-02-07
VOM/MagicDraw Model Files (ancillary)	dtc/17-02-08
RTF Report Attachments	dtc/17-02-09
SVG files	dtc/17-02-10

Andrew Watson explained that the vote on this technology recommendation will be carried out by email. However, any DTC voting representative here today whose company wishes to vote “Yes” to all the adoptions can pre-register that vote now, and OMG staff will email confirmation of that vote to the registered voter after the meeting. If any member wishes to do anything other than vote “Yes” to all, or subsequently wishes to change its mind about voting “Yes to all”, please wait for the voting form to arrive by email and use it to vote appropriately.

Those who pre-registered a vote IN FAVOUR OF RECOMMENDING ADOPTION of these technologies:

Thales, No Magic, Inc., Harris, Bloomberg LP, TCS, MEGA International, EDMC, Japan Embedded Systems Technology Association, Cognitive Medical Systems, MITRE

Andrew Watson then asked if there was any other business coming before the DTC. There being no further business brought before the DTC, it was adjourned at 10:31 A.M.