

OMG Domain Technology Committee
Friday 9 June 2017
Brussels, Belgium
OMG document dtc/17-06-01

Andrew Watson determined if the DTC is quorate. Quorum was 6; there were 14 DTC voters present. The DTC was called to order at 10:46 A.M.

J.D. Baker (Sparx Systems) moved to adopt the amended Policies & Procedures (OMG document pp/2017-06-01), as already discussed in the DTC plenary session that just ended.
Char Wales (MITRE) seconded the motion
Hugues Vincent (THALES) proposed White Ballot
There was no objection to White Ballot
Motion carried.

First order of business was approval of the Coronado DTC minutes (dtc/17-03-01).
Char Wales (MITRE) moved to approve the minutes.
J.D. Baker (Sparx Systems) seconded the motion.
Hugues Vincent (THALES) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

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

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

Highlights from this Meeting:

- Information Day on IIoT and MBE in Manufacturing
- http://www.omg.org/news/meetings/tc/brussels-17/special-events/MBE-IIoT-MFG_info.htm
- Report from GfSE PLM4MBSE WG (Uwe Kaufmann – ModelAlchemy) mantis/2017-03-01
- MBSE at Boeing and Long-Term Archiving for MBSE (LOTAR) (Brittany Friedland, Boeing)
- mantis/2017-03-02
- PLM – MBSE Integration – update on POCs (CONTACT SW, XPLM, ARAS)

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:

- Long Term Archiving for (Systems) Engineering
- Invite INCOSE TIMLMWG (Tool Integration and Model Lifecycle Mgmt.)
- Challenges and standards needs from IIC Smart Factory / Smart Manufacturing/Industrie 4.0 for ManTIS
- Traceability Metamodel / Ontology RFP
- Review SysML V2 RFP requirements
- Joint session with OMG Ontology PSIG

Claude Baudoin (cebe IT & KM) reported *on Business Modeling and Integration Domain Task Force* (BMI DTF) activities:

Highlights from this Meeting:

- Changed Revised Submission date for UML Profile for Archimate to August 2017 (J.D. Baker, Sparx)
- Presentation on integration of BPMN, CMMN, DMN (Deisi Gagne, Trisotech)
- Introduction to Retail Industry task Force (Andrew Watson)
- Embedding privacy concerns in BPMN (Paul Malone, Waterford Institute of technology, Ireland)
- Strategy for Business Modeling and Integration (Antoine Lonjon, MEGA International)
- Threat and Risk Specification Basis for Enterprise Risk Modeling (Cory Casanave, MDS)

Future Deliverables (In-Process)

- UML Profile for Archimate revised submission, August 28, 2017)
- Business Architecture Core Metamodel initial submission date February, 2018

Agenda Items for the next Meeting:

- Revised submission for UML Profile for Archimate
- Guidance for application of BMI modeling specifications
- Discussion on approach to enterprise risk modeling

Charles Dickerson (Loughborough University) reported on the *Mathematical Formalism Domain Task Force Special Interest Group* activities:

Highlights from this Meeting:

- Presentation and submission to MARS on draft ROSETTA UML/ SysML Profile:
- MARS/2017-06-08: UML Profile for ROSETTA: Update on Draft RFC
- MARS/2017-06-09: Draft Profile for the Relational Oriented Systems
- Engineering Technology Trade-off and Analysis Framework (ROSETTA)
- The ROSETTA Profile will ‘provide precise syntax and semantics that will facilitate the export of UML and SysML system models to a matrix representation that can be used to structure mathematical knowledge for concordant use in simulation at the conceptual and detailed design levels’.
- The draft Profile* proposes 4 stereotypes and 3 metaclasses; and 3 case studies
- OMG submitter members are showing interest; some have made commitment to support. Details to follow in the September RFC submission.

Deliverables from this Meeting:

- Technology Adoption Recommendation(s)
 - None at this time
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
 - None at this time

Future Deliverables (In-Process):

- Technology Adoptions
 - N/A
- RFC in process
 - RFC for ROSETTA Profile version 1 will be submitted (in August) for the September TQM
 - Current plan is for approval of the RFC by March 2018
- Liaisons
 - Private industrial and academic liaisons

Agenda Items for the Next Meeting:

- Review and revision of the RFC submitted

Ed Seidewitz (nMeta) reported on the activities of the *Systems Engineering Domain Soecial Interest Group* activities:

Topics

Meetings

- Presented initial draft SysMLv2 Reqt’s to SysMLv2 RFP WG

http://www.omgwiki.org/OMGSysML/doku.php?id=sysmlroadmap:brussels_june_2017_meeting

- Presented status update of SysMLv2 Reqt's effort to ADTF
- Plan to present draft SysMLv2 RFP at next meeting
- SysMLv2 Requirements Review Document
 - Objectives are to significantly improve over SysMLv1 the precision and expressiveness, interoperability with other engineering tools, and usability through enhanced visualization
 - Good feedback from session
 - Will post cleaned up version

Matthew Wilson (SimVentions) reported on the activities of the *C4I Domain Task Force*:

Highlights from this Meeting:

- Discussions working on two RFPs
 - DDS Health Monitoring
 - C2 Navigation Application Interface

Votes from this Meeting:

- None

Deliverables from this Meeting

- None

Future Deliverables (In-Process):

- RFP for Data Labeling/Tagging (2017)
- RFP for Command and Control Vehicle Navigation Interface to Applications (2017)
- RFP for Real-Time DDS Health Monitoring (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

- C2 Vehicle Navigation Interface to Applications
- Real-Time DDS Health Monitoring
- Reception of Tactical Situation Display Data Exchange RFP Response

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

- Presented a current status and roadmap to representatives from ESA/CCSDS and Thales that attended

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

- None

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

- XTCE 1.2 RTF Report
- GMSEC RFC
- Cubesat SysML Reference Architecture RFC

Mike Bennett (EDM Council) reported on the activities of the *Finance Domain Task Force*:

Highlights from this Meeting:

- Update on FIBO delivery at spec.edmcouncil.org and FIBO overview
- Blockchain/DLT updates
- ISO TC68/SC9 WG1 Multi-standard Semantic Portal
- Standards Roadmap
- Financial Risk ontology
- Ontology styles and application architectures
- UCC/State Street Proof of Concept
- Workshop: DLT Requirements concept modeling, process ontology

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 Recommendations or other Recommendations:

- EDM Council FIBO Consolidated RFC expected September
- FIFI – updates expected

- Liaisons:
- No formal liaisons, but we continue to pursue informal liaisons with ISO TC68, FIX ACTUS, XBRL, BIAN
- Update from ISO TC68 SC9 WG1 Semantics

Agenda items for next Meeting

- EDM Council FIBO 2.0 Consolidated submission
- FIBO FTFs for IND, BE, and FBC

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

Highlights from this Meeting:

- Robotics Plenary: (8 participants)
- 2 WG Reports
 - Hardware Abstraction Layer WG [2017-06-04]»HAL4RT 1.0
 - Robotic Functional Service WG [2017-06-05]»Robot Service Ontology RFI draft
- 1 Contact Report (JASA)–
 - ISO/TC299(Robots and Robotic Devices) WG6 [2017-06-03]
 - ISO/AWI 22166-1, Robotics -Modularity for service robots - Part 1: General requirements
- ISO/TC299/WG6 Web meeting
 - Comments for ISO/AWI 22166-1 WD
- Joint meeting with Ontology PSIG
- Invited Talk by Prof. Abdelghani Chivani (UPEC)
- Review of Robotic Service Ontology RFI

Deliverable from this Meeting

None

Future deliverables (In-Process):

- HAL4RT 1.0 Specification
- RoIS 1.2 Specification
- Robotic Service Ontology RFI

Next Meeting (in New Orleans):

- Review of Robotic Service Ontology RFI
- Review of HAL4RT 1.0 FTF Report

J.D. Baker (Spars Systems) reported on behalf of the Healthcare DTF chairs on the activities of the *Healthcare Domain Task Force*:

Highlights from this Meeting:

- Reviewed The Order Service PIM and possible Mappings to the required PSMs
- Reviewed RESTful API Modeling Language (RAML) as a possible means of expressing REST interfaces for PSMs

Notable Events:

- AML passed FTF in AB

Deliverables from this Meeting:

Technology Adoption Recommendation(s)

- N/A

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

- N/A

Future Deliverables (In-Process):

- Technology Adoptions
 - Voted and approved a Revised Submission Date for Healthcare Ordering Service - Aug 28, 2017

RFP/RFI Recommended or Other Recommendations (if SC)

- N/A

Liaisons

- None

Agenda Items for the Next Meeting:

- Review Healthcare Ordering Service submission

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

Andrew Watson reviewed the Retail DTF charter (OMG document dtc/2017-05-19), noting that the ARTS Council produced really international standards. He noted that some of the ARTS Council members already are OMG members, and that the language of the Rproposed Retail DTF charter was provided by Andrew Watson of OMG and Karen Shunk of ARTS Council.

J.D. Baker (Sparx Systems) moved to charter the Retail Domain Task Force (charter is dtc/2017-05-19)

Char Wales (MITRE) seconded the motion.

Hugues Vincent (THALES) proposed White Ballot.

There was no objection to White Ballot.
Motion carried

Graham Bleakley (IBM) moved to charter the UAF 1.1 Revision Task Force with the following dates and membership:

Unified Architecture Framework (UAF) 1.1 RTF

Contact: uaf-rtf@omg.org

TF Chairs: [Dr. Graham Bleakley, Ph.D.](#) [Mr. Aurelijus Morkevicius](#)

IPR Mode: Non-Assert

List of Issues: [UAF11](#)

Event	Date	Schedule	Notes
<u>RTF Revision Deadline</u>		TBD - 1 week after the December 2018 TC meeting	
<u>RTF Report Due Date</u>		TBD - 4 weeks prior to the December 2018 TC meeting	
<u>Base Document(s)</u>		<i>Relevant documents:</i> dtc/17-05-16 (Updated Class_library.xmi) dtc/17-05-15 (Updated UAFP XMI) dtc/17-05-13 (Updated UAF Sample Model clean (Appendix C)) dtc/17-05-12 (Updated Traceability between Framework Views and Elements (Informative) document.(Appendix B)) dtc/17-05-10 (Updated UAF clean (Appendix A)) dtc/17-05-08 (Updated Unified Architecture Framework Profile (UAFP) specification clean)	
<u>Voting List Deadline</u>	June 9, 2017		
<u>RTF Public Comment Deadline</u>	March 1, 2018		

Voting List:

Company	Date	Notes
Advanced Systems Management Group Ltd.	June 9, 2017	<u>Mr. Michael Abramson</u>
General Dynamics	June 9, 2017	<u>Mr. Ronald Townsen</u>
International Business Machines	June 9, 2017	<u>Dr. Graham Bleakley, Ph.D.</u>
KDM Analytics	June 9, 2017	<u>Ms. Djenana Campara</u>
MEGA International	June 9, 2017	<u>Mr. Antoine Lonjon</u>
MITRE	June 9, 2017	<u>Ms. Laura E. Hart</u>
ModelFoundry	June 9, 2017	<u>Mr. Sam Mancarella</u>
No Magic, Inc.	June 9, 2017	<u>Mr. Aurelijus Morkevicius</u>
Northrop Grumman	June 9, 2017	<u>Mrs. Tamara Hambrick</u>
Office of the Secretary of Defense	June 9, 2017	<u>Mr. Leonard F. Levine</u>
PTC	June 9, 2017	<u>Mr. Matthew Hause</u>
Sparx Systems	June 9, 2017	<u>Mr. James D. Baker</u>
Syntell AB	June 9, 2017	<u>Mr Lars-Olof Kihlstrom</u>

J.D. Baker (Sparx Systems) seconded the motion.
Hugues Vincent (THALES) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

J.D. Baker (Sparx Systems) made the composite motion:

- To extend the BMM 1.4 RTF report deadline to 6th October 2017
To extend the FIBO Business Entities (BE) 1.2 RTF report deadline to 6th October 2017
To extend the FIBO Financial Business and Commerce (FBC) 1.1 RTF report deadline to 6th October 2017
To extend the FIBO Indices and Indicators (IND) 1.1 RTF report deadline to 6th October 2017
To extend the SBVR 1.5 RTF report deadline to 6th October 2017
To extend the DTV 1.4 RTF report deadline to 6th October 2017 and change the base document to formal/17-05-03
To extend the DMN 1.2 RTF report deadline to 15th December 2017

Mike Bennett (EDM Council) seconded the motion.
Richard Beatch (Bloomberg LP) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

J.D. Baker Sparx Systems moved to replace Markus Schacher by Stephan Tschanz as chair and KnowGravity voter on the BMM 1.4 RTF
Char Wales (MITRE) seconded the motion.
Richard Beatch (Bloomberg LP) 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 9th June, 2017 was the following report:

UAF 1.0 FTF report	dtc/17-05-17
Revised specification (clean)	dtc/17-05-08
Revised specification (change bars)	dtc/17-05-09
UAFP XMI	dtc/17-05-15
Class-library XMI	dtc/17-05-16
Ancillary File Archive	dtc/17-05-18
Domain metamodel (Appendix A) - clean	dtc/17-05-10
Domain metamodel (Appendix A) - change bars	dtc/17-05-11
Sample Model - clean	dtc/17-05-13
Sample Model - change bars	dtc/17-05-14
Framework Views/Elements Traceability (Informative)	dtc/17-05-12
AML second FTF report	dtc/17-05-01
Revised specification (clean)	dtc/17-05-02
Revised specification (change bars)	dtc/17-05-03
Normative files repository	dtc/17-05-04
Informative files repository	dtc/17-05-05
Ancillary files repository	dtc/17-05-06

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:

Sparx Systems, MITRE, Harris, IBM, MEGA International, JASA, Bloomberg LP, RTI, EDM Council

Andrew Watson then announced that he was retiring from OMG and thanked the OMG members for their years of exceptional work. He then officially handed over responsibilities as AB, PTC, and DTC chair over to Larry Johnson.

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 12:10 P.M.