

OMG Platform Technology Committee
Friday, September 28, 2018
Ottawa, ON, Canada
OMG document ptc/18-09-08

Larry Johnson determined if the PTC was quorate. Quorum was 6; there were 15 PTC voters present. The PTC was called to order at 10:45 a.m.

First order of business was approval of the Boston, MA minutes (ptc/18-06-07).

J.D. Baker (Sparx Systems) moved to approve the minutes.

Manfred Koethe (88solutions) seconded the motion.

Uwe Kaufmann (GfSE e.V.) proposed White Ballot.

There was no objection to White Ballot.

Motion carried.

Next order of business was **SUBGROUP REPORTS**

Jim Logan (No Magic) reported on the activities of the *Analysis & Design Platform Task Force* (ADTF):

Highlights from this Meeting:

- Claude Baudoin: Software Component Transparency and the Software Bill of Materials Presentation
- Conrad Bock: Intro to (Onto) Object-oriented Modeling Presentation
- Manfred Koethe: MOF2RDF Submission Status Presentation
- Bran Selic: MARTE 2.0 RFI Presentation

Passed Motions:

- Recommended issuance of MARTE 2.0 RFI (ad/2018-09-04)
- Set the new MOF2RDF submission date to November 12th, 2018
- Set the MVF revised submission deadline to November 12th, 2018
- Moved the “Precise Semantics of Time for Foundational UML” initial submission deadline to 26 August 2019 and the revised submission deadline to 4 weeks before June 2020 meeting
- Reset the Safety and Reliability for UML RFP final submission deadline to February 18, 2019

Deliverables from this Meeting:

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

- MARTE 2.0 RFI

Future Deliverables (In-Process):

- Technology Adoptions

- AMP & EMP revised submission: November 12, 2018
- MOF2RDF revised submission: November 12, 2018
- MVF revised submission: November 12, 2018
- SIMF revised submission: November 12, 2018
- API4KB revised submission: February 18, 2019
- Safety & Reliability for UML revised submission: February 18, 2019
- Precise Semantics for Uncertainty Modeling (PSUM) initial submission: May 29, 2019
- PSoT initial submission: August 26, 2019
- SysML v2 initial submission: November 4, 2019
- SysML v2 API and Services initial submission: March 1, 2020

Agenda Items for the Next Meeting:

- AMP & EMP, MOF2RDF, MVF, SIMF revised submissions
- Conrad Bock: Onto State Machines presentation

Char Wales (MITRE)) reported on behalf of the co-chairs on the activities of the *Data Distribution Service Platform Special Interest* Group:

Highlights from this Meeting:

- Discussed the state of the various DDS-related RTFs
 - Prioritized the RTFs
 - Immediate focus (team 1): DDS-XTYPES 1.2, DDS –RTPS 2.4
 - Immediate focus (team 2): DDS-PSM-CPP 1.2 RTF
 - Next focus: DDS 1.5 RTF and DDS-SECURITY 1.2 RTF
- Presenter poster at Monday Meet & Greet
- Presented DDS at the OMG special event (Standards for the Federal & Provincial Governments of Canada”
- Submitters working meeting for IDL-Java RFP response
- RTF working meeting for DDS-XTYPES 1.3 RTF
- [mars] Presented draft RFP for IDL to C# mapping
- [mars] Issued RFP for running DDS on Time-Sensitive Networks (TSN)

Plans for the Next Meeting:

- Work on the updated DDS presentations
- Present DDS at the planned OMG Event “IIoT at Work: Focus on Energy”
- [mars] Potentially issue draft RFP for IDL4 to C# mapping

Sumeet Malhotra (TCS) reported on the activities of the *Methods & Tools Platform Special Interest Group*:

Highlights from this Meeting:

- Opportunities to expand market was discussed:

- Training at different levels (Beginners, Intermediate to Advanced) for K-12 and Ivy League Universities
- Extensio of marketplace for Essence Packages and domain based content for those Essence Packages
- Additional Essence Practices (Packages) and test suites for tools coming up soon from SEMAT
 - Disciplined Agile Delivery
 - Mergers & Acquisitions
 - Customer Relationship Management consulting competencies

Char Wales (MITRE) reported on Middleware and Related Services Platform Task Force (MARS PTF) activities:

Highlights from this Meeting:

- DDS-Time Sensitive Networking (TSN) Integration – reviewed RFP; recommended for issuance
- TCP/IP PSM for DDS – progress report; on target for Seattle
- IDL4 to Java Mapping – reviewed initial submission
- IDL4 to C# Mapping – reviewed initial Draft RFP
- IEPPS – process schedule housekeeping; set exact revised submission date
- NASA’s Space Telecoms Radio System (STRS) Architecture Standard; based on and extension of Software Communications Architecture (SCA) –future RFC
- REST for CORBA Presentation and Demonstration – potential new process
- Discussions about potential new processes

Deliverables from this Meeting:

- RFP/RFI/RFC Recommendation(s)
 - DDS-TSN Integration RFP
- TF Documents Issued
 - None

Future Deliverables (In-Process):

- Technology Adoptions
 - TCP/IP PSM for DDS Interoperability: Revised joint submission 12 November 2018
 - IDL4 to Java Language Mapping: Revised submission 12 November 2018
 - IEF Policy Based Packaging Service (IEPPS): Initial submission 12 November 2018
 - DDS to JSON Syntax Mapping: Initial submission 12 November 2018
- RFP/RFI/RFC Recommendations
 - None
- Liaisons
 - None

Agenda Items for the Next Meeting:

- TCP/IP PSM for DDS Interoperability: Review revised submission
- IDL4 to Java Language Mapping: Review revised submission
- IEF Policy Based Packaging Service (IEPPS): Review initial submission
- DDS to JSON Syntax Mapping: Review initial submission
- IDL4 to C# Mapping RFP: Review and issue?
- STRSA RFC: present progress or completed RFC, issue?
- Discussions about potential new processes:
- IDL4 mapping to Java with CORBA constructs
- IDL4 to C++ mapping with backward compatibility with CORBA IDL
- REST/JSON for CORBA
- DIDO Reference Architecture: Follow-up activities TBD
- Presentation by Cloud WG on future discussion papers
- Presentation on ManTIS SENS RFP
- Joint mtng with Finance
- WGs to meet: IDL, IEF, SNC

Elisa Kendall (Thematrix Partners LLC) reported on the activities of the ***Ontology Platform Special Interest Group***:

Highlights from this Meeting:

- Agenda – ontology/2018-09-01
- PSOA RuleML: Lightweight Ontologies with Multi-Membership for Perspectival Data and Rules (Harold Boley, Faculty of Computer Science, University of New Brunswick Canada) – ontology/2018-09-02
- What's New with Oracle Spatial and Graph (Matthew Perry, Oracle) - ontology/2018-09-03
- Discussion of potential submission to W3C via OMG for extensions to OWL and SPARQL (Elisa Kendall, Thematrix.)
- Demonstration of Visualization Techniques for Ontologies (Pete Rivett, Adaptive)
- Demonstration / Update on MOF2RDF (Manfred Koethe, 88 Solutions)

Deliverables from this Meeting:

- MOF2RDF demonstration

Future Deliverables (In-Process):

- MOF2RDF revised submission (December 2018)
- Multiple Vocabulary Facility (MVF) revised submission (December 2018)
- ODM 2.0 RFC (March 2019)
- API4KP revised submission (March 2019)
- RFC for the Specification Metadata Ontology, UML Profile, and IDL Template (March 2018)
- Possible RFP for extensions to the RDF/OWL W3C standards for integrity constraint and data validation support (epistemic reasoning) with mapping to SHACL, possibly

- default values support
- Possible RFP for rule syntax extensions to SPARQL (could be combined with OWL RFP)
- Possible RFI for an ontology for the IT Software Development Lifecycle

Liaisons

- none

Agenda Items for the Next Meeting:

- see above

Djenana Campara reported on the *System Assurance Platform Task Force* (Sysa PTF) activities:

Highlights from this Meeting:

- Monday
 - Hosted an OMG MEET & GREET: CYBER SECURITY
- Wednesday meeting was light
 - Status update on OTR submission spec
 - TOIF 1.0 FTF status update
 - TOIF FTF report approved by AB; TOIF RFT will be formed at PTC
 - Supported OMG® Standards for the Federal & Provincial Governments of Canada
 - Presentations:
 - “Risk Analytics in IT Systems”, Nabil Seddigh, Solana Networks
 - “Enhancing Security and Resilience through AI/ML-Driven Big Data Analytics”, Dr. Rami Abielmona, LarusTechnologies

Published Documents for this Meeting:

- sysa/2018-09-01: SysA_Sep_2018_Report
- sysa/2018-09-02: Risk Analytics in IT systems
- sysa/2018-09-03: Enhancing Security and Resilience through AI/ML-driven Big Data Analytics

Next meeting:

- System Assurance Task Force will not meet in December

Jason Smith (TSRI) reported on the activities of the *Architecture-Driven Modernization Platform Task Force* (ADMTF):

Highlights from this Meeting:

- Philip Newcomb (TSRI) presented “Introducing the Cyber-Modernization Security

and Maturity Model”

- A proposal for a Six Stage cyber modernization and security maturation model was discussed and is being circulated for comment as a framework for future ADMTF roadmap alignment
- Jason Smith (TSRI) presented “EDP Based Code Generation”

Deliverables for this Meeting:

- TBD

Future Deliverables (In-Process):

- TBD

Next Meeting – Seattle, December 2018

- TBD

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

Char Wales (MITRE) made to composite motion:

- to issue the MARTTE 2.0 RFI (OMG document ad/2019-09-04)
- to issue the DDS-TSN RFP (OMG document mars/2018-09-10)

Manfred Koethe (88solutions) seconded the motion

Elisa Kendall (Thematrix) proposed White Ballot

There was none opposed to White Ballot.

Motion carried

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

Before the PTC on 28th September 2018 were the below reports and a poll was held for each of them.

Larry Johnson explained that the vote on this technology recommendation will be carried out by email. However, any PTC 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.

MARTE 1.2 RTF report

Revised specification (clean)

Revised specification (change bars)

MARTE Profile

MARTE Library

ptc/18-07-02

ptc/18-07-03

ptc/18-07-04

ptc/18-07-05

ptc/18-07-06

MARTE 1.2 RTF ancillary attachment file ptc/18-07-07

PSCS 1.2 RTF Report ptc/18-08-01
Revised specification (clean) ptc/18-08-02
Revised specification (change bars) ptc/18-08-03
PSCS 1.2 Syntax Model XMI ptc/18-08-04
PSCS 1.2 Semantics Model XMI ptc/18-08-05
PSCS 1.2 Test Suites XMI ptc/18-08-06
PSCS 1.2 Assertion Library XMI ptc/18-08-07
PSCS 1.2 SysML Semantics XMI ptc/18-08-08
PSCS 1.2 SysML Test Suites XMI ptc/18-08-09
PSCS 1.2 MARTE Semantics XMI ptc/18-08-10
PSCS 1.2 MARTE Test Suites XMI ptc/18-08-11
PSCS 1.2 Generic Association XMI ptc/18-08-12
PSCS 1.2 Ancillary Archive ptc/18-08-13

DDSI-RTPS 2.3 Report with Errata applied ptc/18-09-02
DDSI-RTPS 2.3 UML Model XMI file ptc/18-08-18
DDSI-RTPS 2.3 UML Model Tool file ptc/18-08-19
DDSI-RTPS 2.3 RTF ancillary attachment file ptc/18-08-15
DDSI-RTPS 2.3 RTF Errata ptc/18-09-01
DDSI-RTPS 2.3 Specification with Errata applied clean ptc/18-09-03
DDSI-RTPS 2.3 Specification with Errata applied with cb's ptc/18-09-04

TOIF 1.3 FTF report ptc/18-09-07
Revised specification (clean) ptc/18-09-05
Revised specification (change bars) ptc/18-09-06
Ancillary attachment file ptc/18-08-25
emof XMI definition for TOIF sysa/17-12-02
TOIF XMI schema sysa/17-12-03
EMF XMI definition for TOIF sysa/17-12-04
Magicraw Model sysa/18-12-05
TOIF clean UML XMI sysa/17-12-06

Those who pre-registered a vote IN FAVOUR OF RECOMMENDING ADOPTION of the above reports and submissions

THALES, GfSE, MITRE, Fujitsu, Model Driven Solutions, The Software Revolution, Thematrix Partners LLC, KDM Analytics, 88solutions, CEA, Simula Research, Sparx Systems, OntoAge

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

Manfred Koethe (88solutions) moved to charter the TOIF 1.4 Revision Task Force with the following dates and membership:

TOIF 1.4 RTF

Contact: toif-rtf@omg.org

TF Chairs: *Dr. Nikolai Mansourov*

IPR Mode: *Non-Assert*

List of Issues: *TOIF14*

Schedule

Event	Date	Notes
Base document(s)		<i>Relevant documents:</i> ptc/18-09-05 (TOIF FTF updated clean spec) sysa/17-12-06 (TOIF Clean UML XMI) sysa/17-12-05 (MagicDraw model) sysa/17-12-04 (EMF XMI definition for TOIF) sysa/17-12-03 (TOIF XMI schema) sysa/17-12-02 (EMOF XMI definition for TOIF)
Voting List Deadline	September 28, 2018	
RTF Public Comment Deadline	June 28, 2019	
RTF Report Due Date	August 26, 2019	
RTF Revision Deadline	November 4, 2019	

VOTING LIST:

Company	Date	Notes
88solutions		<i>Mr. Manfred R. Koethe</i>
Elemental Reasoning		<i>Dr. Jason Smith</i>
KDM Analytics		<i>Dr. Nikolai Mansourov</i>
Lockheed Martin		<i>Dr. Ben A. Calloni</i>
MITRE		<i>Mr. Robert Martin</i>
Objective Interface Systems		<i>Mr. Bill Beckwith</i>

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

Hugues Vincent (THALES) proposed White Ballot
 There was none opposed to White Ballot
 Motion carried.

Ed Seidewitz (Model Driven Solutions) moved to charter fUML 1.5 Revision Task Force with the following dates and membership:

FUML 1.5 RTF

Contact: fuml-rtf@omg.org

TF Chairs: *Mr. Ed Seidewitz*

IPR Mode: *RF-Limited*

List of Issues: *FUML15*

Schedule

Event	Date	Notes
Base document(s)		<i>Relevant documents:</i> ptc/18-05-05 (fUML 1.4 Foundational Model Library XMI) ptc/18-05-04 (fUML 1.4 Semantics Model XMI) ptc/18-05-03 (fUML 1.4 Syntax Metamodel XMI) ptc/18-05-01 (Semantics of a Foundational Subset for Executable UML Models (fUML), version 1.4 Beta, clean)
Voting List Deadline	September 28, 2018	
RTF Public Comment Deadline	December 1, 2018	
RTF Report Due Date	August 26, 2019	
RTF Revision Deadline	October 4, 2019	

VOTING LIST:

Company	Date	Notes
88solutions		<i>Mr. Manfred R. Koethe</i>
Commissariat a l Energie Atomique-CEA		<i>Dr. Jeremie Tatibouet</i>

Model Driven Solutions		<i>Mr. Ed Seidewitz</i>
NIST		<i>Dr. Conrad Bock</i>
No Magic, Inc.		<i>Mr. Nerijus Jankevicius</i>
Simula Research Laboratory		<i>Mr. Bran Selic</i>
Sparx Systems		<i>Mr. James D. Baker</i>

Hugues Vincent (THALES) seconded the motion
 Bobbin Teegarden (OntoAge) proposed White Ballot
 There was none opposed to White Ballot
 Motion carried

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

- Motion to extend the Automated Enhancement Points 1.1 RTF revision deadline to 29th March, 2019
- Motion to extend the LCC 1.1 RTF report deadline to 21 December 2018
- Motion to extend the Essence 1.3 RTF Public Comment deadline to 21 December 2018
- Motion to extend the SysML 1.6 RTF report deadline to 21 December 2018
- Motion to extend the Interface Definition Language 4.3 RTF report deadline to 21 December 2018
- Motion to extend the PSSM 1.0 FTF 2 report deadline to 21 December 2018
- Motion to extend the ODM 1.2 RTF report deadline to 29 March 2019
- Motion to extend the Security 1.2 RTF Public Comment deadline to 4 October 2019
- Motion to add Charles Galey of Lockheed Martin as co-chair to the UML 2.6 RTF

Manfred Koethe (88solutions) seconded the motion
 Elisa Kendall (Tematix Partners) proposed White Ballot
 There was none opposed to White Ballot
 Motion carried

Larry Johnson then asked if there was any other business coming before the PTC. There being no further business brought before the PTC, it was adjourned at 11:57 A.M.