

**OMG Platform Technology Committee
Friday, September 18th 2020
Virtual September meeting minutes
OMG document ptc/20-09-01**

Attendance:

Name	Email
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Comment: Contributing (*) and Platform (P) have voting rights in the PTC, one vote per organization

(D) Domain no voting right

(U) University no voting right

(I) Influencing no voting right

(G) Government no voting right

(T) Trial no voting right

(NM) non-member, no voting rights

Dr. Smith made the following

Staff Announcement

Within the week, Steve MacLaird will be contacting some chairs with a single slide for review

by DoD and significant stakeholders.

Should take 15-30 minutes, at most.

If it looks good, say so, you're done.

If you have suggestions, please offer them as soon as you can, he has a Sep 30th deadline

Jason Smith, OMG's Vice President and Technical Director, determined if the PTC was quorate. Quorum was 9; there were 20 eligible PTC voters were present. The PTC was called to order at 10:50 a.m.

First order of business was approval of the June 2020 PTC virtual meeting minutes (ptc/2020-06-11).

Char Wales (Jackrabbit Consulting)) moved to approve the minutes.

Bob Marti (MITRE) seconded the motion.

Hugues Vincent (THALES) proposed White Ballot.

There was no objection to White Ballot.

Motion carried.

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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:

- Sandy Friedenthal, Ed Seidewitz, Manas Bajaj: SST Initial Submission (SysMLv2, API, Services)
- Conrad Bock: SysML 2 Semantics without Tears, er, Math
- Davide Sottara: APIs for Knowledge Platforms (API4KP) Revised Submission
- Ed Seidewitz and Chas Galey: UML 3 Discussion

Passed Motions:

- Reset API4KB RFP revised submission date to November 9th, 2020
- Reset OMG Safety & Reliability for UML revised submission deadline to November 8th, 2020

Deliverables from this Meeting:

- Technology Adoption Recommendation(s):
 - None
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s):
 - None

Future Deliverables (In-Process):

- Technology Adoptions
 - MVF revised submission: August 17th, 2020 (Pending motion for February 22nd, 2021)•
 - Safety & Reliability for UML revised submission: November 8th, 2020
 - API4KB revised submission: November 9th, 2020
 - AMP & EMP revised submissions: November 9th, 2020
 - IMM revised submission: November 9th, 2020
 - Precise Semantics for Uncertainty Modeling (PSUM) initial submission: November 9, 2020
 - SysML V2 and SysML V2 API and Services revised submission: May 17th, 2021
 - Precise Semantics of Time RFP initial submission: May 17th, 2021

RFPs:

- None

Agenda Items for the Next Meeting:

- Conrad Bock: SysML 2 Semantic Debt

Claude Baudoin (cebe IT & KM) reported on the formation meeting of the *Artificial Intelligence Platform Task Force*:

Highlights from this Meeting:

- 23 attendees
- “AI Marketplace Project” (Rachel Bauer, prostep ivip)
- Mapping industrial use cases to types of AI solutions
- “US Army AI & ML Qualification Research” (Paul Jonas, FirePoint)
- “AI: Statistical vs. Semantic Approaches” (Mike Bennett, IOTA Foundation)
- Reviewed progress of other items from previous meetings
- Or rather, lack thereof
- AI taxonomy or ontology work to start “real soon now,” will need contributions or reviews from others, esp. Ontology PSIG

Deliverables since the last Meeting

- No RFIs, RFCs or RFPs yet
- ai/20-09-01: Notes from the AI PTF meeting on 25 Aug 2020 (Claude Baudoin)
- ai/20-09-02: Prostep ivip and the AI Marketplace (Rachel Bauer)
- ai/20-09-03: US Army CCDC AvMC AI & ML Qualification Research (Paul Jonas)
- ai/20-09-04: AI: Statistical vs. Semantic Approaches (Michael Bennett)
- ai/20-xx-xx: Notes from the AI PTF meeting on 17 Sep 2020 (Claude Baudoin)

Future Deliverables (In-Process):

- AI Glossary, Taxonomy or Ontology
- Analysis of NIST RFI responses
- Very tentative:RFP on a Claims-Argument-Evidence model for AI
- RFI on representing AI components in SysML

Liaisons:

- none

Agenda Items for the Next Meetings

- Shorter monthly status calls on Oct. 13, Nov. 10 (four-week intervals)
- Invite some prospective speakers to continue informing our roadmap
- Draft AI taxonomy/ontology by December
- Coordinate December meeting agenda with Ontology PSIG

Mike Bennett (EDM Council) reported on the activities of the *Blockchain Platform Special Interest Group*:

Highlights from this Meeting: with MARS PTF

- LETS RFP review (MARS/20-09-07)
- IOTA Protocol RFC: updated IOTA and Coordicide status, RFC timeline (slides)
- Self-sovereign Identity – Rolling RFI Proposal
- DIDO updates

Main BC-PSIG session

- IOTA
 - IOTA Protocol and ecosystem update
 - IOTA document controls
 - IOTA Protocol RFC plans, timeline
- LETS RFP – one further edit required; submit in November
- Self-sovereign ID: Rolling RFI Content updates
- Horizon Scanning: Relevant WGs
 - Standards for Trustworthy Elections Processes WG (with GBA)
 - Central Banks Digital Currency (CBDC)
 - Vocabularies for Communities of Interest (VCOI)

Deliverables from this Meeting:

- LETS RFP Draft MARS/20-09-07

Future Deliverables–In-Process:

- IOTA Protocol RFC (draft in preparation for review Dec)
- Submission when stable and/or implemented on IOTA Mainnet (pre-requisite for formal adoption)
- Linked Encrypted Transaction Streams (LETS) RFP (Dec)
- Self-sovereign Identity: RFI or Rolling RFI or Wiki (modalities TBD)
- Coming soon
 - Ephemeral Self-sovereign ID RFP

Liaisons

- Internal
 - MARS PTF and Finance DTF
 - WGs: Standards for Trustworthy Elections Processes; DBDC; VCOI•
- External
 - TangleEE WG (with IOTA, Eclipse Foundation and others)

Agenda Items for the Next Meeting:

- IOTA Protocol Draft RFC document review (IOTA) (at MARS)
- Linked Encrypted Transaction Streams (LETS) RFP submission and review (at MARS)
- Outcomes of Self-sovereign IDs RFI
- Potential new RFP: Ephemeral Self-sovereign IDs

Fernando Garcia (Real-Time Innovations) reported on the activities of the *Data Distribution Service (DDS) Platform Special Interest Group*:

Highlights from this meeting

- Discussion around the DDS vendor feature matrix
- Debate about scope and how/where it should be published
- RTF/FTF discussions for DDSI-RTPS, DDS-XTYPES, and IDL-C++
- Issuance (mars) of the IDL-C++ Mapping RFP

Plans for next meeting

- TBD

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

Highlights from this Meeting:

- Reviewed Draft IDL4 to C++ Language Mapping RFP, recommended for issuance
- Reviewed Initial Submission of DDS C# API
- Received Status update on Space Telecommunication Interface (STI) for SDRs
- Received presentation on FACE TSS relationship to DDS and CORBA
 - Decided to form a Team to investigate interoperability with FACE TSS v3.0
 - Potential output: a Discussion Paper

- **Joint meeting with BC PSIG**
 - Reviewed next draft of Linked Encryption Streams (LETS) RFP
 - Presentation on proposed Self-Sovereign Identity RFI: discussed purpose and intended content
 - Presentation on future IOTA Protocol RFC: discussed plans for issuance
 - Discussed plans for DIDO Reference Architecture 3.0 Discussion Paper

- Extended STI for SDR to 9 November 2020 (December meeting)
- Extended IEPPS to 22 February 2021 (March meeting)
- Issued RFP for IDL4 to C++ Language Mapping
- IDL, SNC, CORBA WGs met
 - CORBA WG: prepared presentation for MARS Thursday morning plenary
 - IDL WG: Discussed and resolved all open issues for the IDL4 to C# mapping FTF
 - SNC WG: Reviewed and addressed comments from AB on STI for SDR submission

Deliverables from this Meeting:

- Technology Adoption Recommendation(s)
 - None

- RFP/RFI/RFC Recommendation(s)
 - IDL4 to C++ Language Mapping RFP

TF Documents Issued

- None

Future Deliverables (In-Process):

- Technology Adoptions
 - DDS C# API: revised submission, 22 Feb 2021
 - DDS-TSN: revised submission, 09 Nov 2020
 - IEF Policy Based Packaging Service (IEPPS): revised submission, 22 Feb 2021
 - REST for CORBA: revised submission 09 Nov 2020
 - STI for Software Defined Radios (SDRs): revised submission, 09 Nov 2020
 - TCP/IP PSM for DDS Interoperability: revised joint submission, 09 Nov 2020
- RFP/RFI/RFC Recommendations
 - IOTA Protocol RFC (issue in 2021 Q1?)
 - Linked Encryption Transaction Streams (LETS) RFP (issue in 2020 Q4?)

TF Documents

- IEF Ecosystem of Interoperability Discussion Paper (draft in 2021 Q3?)
- Cloud WG Discussion Papers
 - Cloud Bibliography (Issue 2020 Q4?)
 - First draft of Data Governance and/or Cyber Insurance for Cloud Service(Issue 2021 Q?)

Agenda Items for the Next Meeting:

- Review revised submissions:
 - DDS-TSN
 - STI for SDRS
 - TCP/IP PSM for DDS Interop
 - REST for CORBA
- Receive first report from the FACE Interoperability Team
- Review Cloud WG Discussion Papers
 - Cloud Bibliography

- Potentially first drafts of Data Governance and/or Cyber Insurance for Cloud Service
- Joint with BC PSIG:
 - Self-Sovereign Identity RFI: presentation
 - IOTA Protocol RFC: review draft
 - Linked Encrypted Transaction Streams (LETS) RFP: review and issue
 - DIDO Reference Architecture (RA) 3.0: presentation on next version
 - DIDO Reference Implementation (RI) and Data Model: present updates on both
- Continue collaboration with BC PSIG, Cloud Working Group, FACE Consortium
- MARS WGs and teams to meet: IDL, HPEC, IEF, SNC, & CORBA WGs; FACE Interop Team

Evan Wallace (NIST) reported on the activities of the *Ontology Platform Special Interest Group*:

Highlights from this Meeting:

- Held special event on 15 Sept entitled, Understanding Ontologies and Knowledge Graphs, with 367 registrants and 187 live attendees
- Plenary meeting
 - Presentation on Generalizing FIBO infrastructure for OMG use, Dean Allemang(Working Ontologist, LLC) – ontology/2020-06-02
 - Presentation and discussion on Preview of OMG communities and services to support them, Jason McC. Smith (OMG) – ontology/2020-06-03
 - Discussion on Minimal OMG requirements for ontology specification acceptance, Evan Wallace (NIST) moderating – ontology/2020-06-04
 - Presentation on An OMG ontology repository, Elisa Kendall (ThematrixPartners) -ontology/2020-06-05

Deliverables from this Meeting:

- None

Future Deliverables (In-Process):

- API4KP revised submission (December 2020)
- Multiple Vocabulary Facility (MVF) revised submission (March 2021)
- ODM 2.0 RFC (March 2021)
- Languages, Countries and Codes (LCC) 1.2 RTF report (December 2020)

- RFC for the Specification Metadata Ontology, UML Profile, and IDL Template (March 2021)
- DOL 1.1 RTF Report (December 2020)

Liaisons

- None

Possible Topics for the Next Meeting:

- Report on a strawman for requirements for OMG ontology specifications
- Metrics of ontology characteristics to provide for our ontology artifacts
- Discussion paper on a maturity index

The next order of business was RFP/RFC/RFI/RFR ISSUANCES:

J.D. Baker (Sparx Systems) moved to issue the IDL4 to C++ Language Mapping RFP (OMG document number mars/20-09-01)

Hugues Vincent (THALES) seconded the motion

John Draga (Micro Focus) proposed White Ballot

There was none opposed to White Ballot

Motion passed

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

Bill Curtis (CAST Software) moved to charter the Automated Source Code Quality Measures (ASCQM) **1.1 Revision Task Force** with the following dates and membership:

Automated Source Code Quality Measures (ASCQM) 1.1 RTF

Contact: ascqm-rtf@omg.org

TF Chairs: Dr. Bill Curtis

IPR Mode: Non-Assert

Schedule

Event	Date	Notes
Base document(s)		<i>Relevant documents:</i> formal/20-01-02 (Automated Source Code Quality Measures, v1.0)
Voting List Deadline	September 18, 2020	
RTF Public Comment Deadline	October 16, 2020	
RTF Report Due Date	November 9, 2020	
RTF Revision Deadline	December 18, 2020	

VOTING LIST:

Company	Date	Notes
CAST Software	September 18, 2020	<i>Dr. Bill Curtis</i>
MITRE	September 18, 2020	<i>Mr. Robert Martin</i>

Char Wales (Jackrabbit Consulting)) seconded the motion
Bob Martin (MITRE) proposed White Ballot
There was none opposed to White Ballot
Motion passed

Bill Curtis (CAST Software)) made the composite motion:

- to extend the SysML 1.7 RTF revision deadline to 18 December 2020
- to extend the Languages, Countries, and Codes (LCC) 1.2 RTF revision deadline to 18 December 2020
- to extend the ODM 1.2 RTF revision deadline to 2 April, 2021
- to extend the DDS-OPCUA Gateway 1.1 RTF revision deadline to 2 April, 2021
- to extend the DDS-RTPS 2.5 RTF revision deadline to 18 December, 2020
- to extend the DDS- Security 1.2 RTF revision deadline to 17 December, 2021

- to extend the DDS-XRCE 1.1 RTF revision deadline to April 2, 2021
- to extend the Automated Enhancement Points (AEP) 1.1 RTF 18 December 2020
- to extend the RPC over DDS 1.1 RTF to 25 June, 2021

Char Wales (Jackrabbit Consulting) seconded the motion

Hugues Vincent (THALES) proposed White Ballot

There was none opposed to White Ballot

Motion passed

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

There were no technology recommendations on the agenda.

Jason Smith 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 11:51 A.M.