OMG Platform Technology Committee
Friday, September 23rd, 2022
Burlingame, CA September 2022 meeting minutes
OMG document ptc/22-09-02

Attendance:

Name	Company
Jason McC. Smith	OMG
Terrance Milligan	OMG
Juergen Boldt	OMG
Diane Ehramjian	OMG
Steve MacLaird	OMG
Mike Narducci	OMG
Bill Ulrich	TSG, Inc (*)
Bill Ulrich	Business Architecture Guild (*)
Ben Calloni	Objective Interface Systems (P)
Ben Calloni	KDM Analytics (P)
Jennifer Coble	Northrop Grumman (I)
Louis Eyermann	Department of Navy (G)
Fernando Garcia	Real-Time Innovations (*)
Koji Kamei	JARA (D)
Nick Stavros	Jackrabbit Consulting (*)
Bobbin Teegarden	OntoAge (*)
Richard Beatch	Bloomberg LP (D)
Marcus Richardson	Boeing (P)
Laura Hart	Lockheed Martin (P)
J.D. Baker	Sparx Systems (*)
Claude Baudoin	cebe IT & KM (*)

Char Wales	Jackrabbit Consulting (*)
Elisa Kendall	EDM Council (D) and Thematix Partners (P)
Daniel Brookshier	Dassault Systèmes (P)
Jim Logan	Dassault Systèmes (P)
Sandy Friedenthal	INCOSE (*)
Siyuan Ji	Loughborough University (U)
Justin Boss	Kratos RT Logic, Inc. (I)
Sarah Douglass	MITRE (*)
Manfred Koethe	88solutions (P)
Andy Mattice	Lexmark (R)
Fred Cummins	Agile Enterprise Design (D)
Dalton Clark	Georgia Institute of Technology (U)
Michael Shearin	Georgia Institute of Technology (U)
Ryan Noguchi	Aerospace Corporation (I)
Matteo Vescovi	Micro Focus (P)
John Draga	Micro Focus (P)

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
(R) Retail, no voting rights

Dr. Jason Smith, OMG's Vice President and Technical Director, determined if the PTC was quorate. Quorum was 8; there were 14 eligible PTC voters present. The PTC was called to order at 10:38 a.m. EDT

First order of business was the **approval of the P&P changes:**

There were three (3) minor changes captured in the AB Process SC Jira project, already approved by the Domain Technology Committee:

- ABPSC-27 : Clarify AB email vote window
- ABPSC-30 : Add section 3.3 to include language defining attendance to include online presence
- ABPSC-42 : Move critical sentence higher for visibility

These issues were approved by the SC July 9, 2022, and resulted in the following updated P&P documents:

P&P 3.5 draft with change bars: pp/2022-09-01
P&P 3.5 clean: pp/2022-09-02

Sarah Douglass (MITRE) moved to the P&P changes resulting in the above documents
Elisa Kendall (Thematix Partners, LLC)) seconded the motion
Char Wales (Jackrabbit Consulting) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

The next order of business was the approval of the June 2022 PTC Orlando minutes (OMG document number ptc/2022-06-01)

Sarah Douglass (MITRE) moved to approve the June 2022 PTC minutes (OMG document number ptc/2022-06-01)
Elisa Kendall (Thematix Partners, LLC)) seconded the motion
Char Wales (Jackrabbit Consulting) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

Next order of business was **SUBGROUP REPORTS**

Jim Logan (Dassault Systèmes) reported on the activities of the *Analysis & Design Platform Task Force* (*ADTF):*

Highlights from this Meeting:
Conrad Bock: Semantics Assets and Debts in SST / SysML v2: Event Handling
SST Team: SysMLv2 Review
2.5 days of presentations
Still planning a third revised submission in Q4 2022 that will reflect what was presented this week
Asking for review feedback before revised submission

Deliverables from this Meeting:
Technology Adoption Recommendation(s)
- N/A

RFP/RFI/RFC Recommendation(s)
- N/A

Future Deliverables (In-Process):
Technology Adoptions
- SysML V2 / API / Services revised submission: November 7th, 2022
- PSUM revised submission: November 7th, 2022
- AMP & EMP revised submission: February 20th, 2023
- Precise Semantics of Time submission: May 2023

RFP/RFI Recommended or Other Recommendations (if SC)
- N/A

Liaisons
- N/A

Agenda Items for the Next Meeting:
- SST: revised submission presentation
- Conrad Bock: more semantic debt

After a 15-minute recess Mr Bill Ulrich (TSG, Inc.) reported on the activities of the ***Architecture-Driven Modernization Task Force***:

Highlights from this Meeting:
- Vote to send "ADMTF/2022-08-01 Automated Source Code Resource Sustainability Measure RFC" to AB passed by white ballot (where it passed AB)
- Presented a proposal to create an "Integration Standard: Bridging Business & Technology Ecosystems", connecting to the BACM standard when it is published
- See document ADMTF/2022-09-06 below
- Presented ideas for a long-term roadmap to go from code to models (with potential roundtrip option back to code)
- See document ADMTF/2022-09-05 below

Deliverables for this Meeting:
- ADMTF/2022-08-01 Automated Source Code Resource Sustainability Measure RFC
- Proposal to pursue a Business-Technology Integration Standard (Doc# ADMTF/2022-09-06)
- Strategic Lift (Final) 091822 w-Notes (Doc# ADMTF/2022-09-05)

Future Deliverables:
- Proposed roadmap for code-to-model abstraction and larger picture to include incremental standards along with way
- Position document on goals and related business scenarios for the Business IT Integration Standard

Next Meeting
- March 20-24, Reston, VA (with discussion in between)

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

Highlights from this Meeting:
- Presentation of the IIC's Industrial AI Framework (Bassam Zarkout, IGnPower)

Mr Baudoin noted that there was the possibility of a IIC Task Group collaboration with the AI PTF, but that the chair of the IIC TG had not responded as of today
- Call for a new co-chair (Bobbin Teegarden wishing to retire)
- Report on collaboration with IEEE Standards Association (Claude Baudoin and invited guest Howard Deiner, IEEE)
    - Project P3123, AI Terminology and Data Formats
    - New study group on Risk Tiers in AI Implementation

    ○ Started the process to request a formal liaison between OMG and IEEE
- Demo of AI taxonomy wiki tool by Nick Stavros (Jackrabbit)
- Suggestion of taxonomy facets (viewpoints) by Karl Gosejacob
- Joint session with Ontology PSIG on vocabulary needs (Claude Baudoin) and solutions (Elisa Kendall, Nick Stavros)

Deliverables from this Meeting:
- None (minutes to come)

Future Deliverables (In-Process):
- Unknown

Liaisons
- IEEE Standards Association – in progress, aiming for end of October

Agenda Items for the Next Meeting:
- AI Taxonomy
- Report on related IEEE projects
- Recruitment of new PTF members
- Report on AI and Big Data Expo (Oct. 5-6, Santa Clara, Calif.)
- Is there an RFP in our future?

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

Highlights from this Meeting:
- Blockchain Smart Contracts RFI: reviewed emerging draft; explored new mechanism for publication and gathering responses.
- Linked Encrypted Transaction Streams (LETS) RFP: extended to December
- Continued discussion re need for additional co-chairs for MARS
- Reviewed outlines for three emerging Cloud WG Discussion Papers
    ○ Cloud Interoperability & Portability (Rev 3.0), Cloud Service Agreement Template, and PG to Cloud Data Governance
- Received submission status updates on three RFPs:
    ○ DDS C# API API, IDL4 to Python Language Mapping, and DDS TSN Integration

- Reviewed final submission for IDL4 to C++ Language Mapping
- Received report on CORBA 3.4 ISO Explanatory Report prepared by CORBA WG.
- FACE Interop WG prepared for meeting with FACE Consortium's Cross Standards group next week
    - Will present approaches for resolving differences in respective IDL Language mappings
- CORBA WG discussed chartering an RTF to update CORBA 3.4 to include new IDL types from IDL4.
- IEF WG discussed plans to update IEF RA using the RFC process (vice RTF)

Deliverables from this Meeting:
Technology Adoption Recommendation(s)
- IDL4 to C++ Language Mapping: mars/22-09-04

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

Future Deliverables (In-Process):
Technology Adoptions
- DDS-TSN: revised submission, November 7th, 2022
- Linked Encrypted Transaction Streams (LETS): revised submission, November 7th, 2022
- TCP/IP PSM for DDS Interoperability: revised submission, November 7th, 2022
- DDS C# API: revised submission, February 20th, 2023
- IDL4 to Python Language Mapping, revised submission, February 20th, 2023

RFP/RFI Recommended or Other Recommendations (if SC)
- Blockchain Smart Contracts RFI
- DIDO RA 4.0 DP
- Cloud Interoperability & Portability (Rev 3.0) DP
- Cloud Service Agreement Template DP

Liaisons
- FACE Consortium (via FACE Interop WG)

Agenda Items for the Next Meeting:
- Nominate & vote for additional co-chairs
- Review revised submissions:
    - DDS TSN Integration
    - TCP/IP PSM for DDS Interoperability
- Review and issue Blockchain Smart Contracts RFI
- Decide path forward for LETS RFP
- Review and publish Discussion Papers
    - DIDO RA 4.0 DP
    - Cloud Interoperability & Portability (Rev 3.0) DP
    - Cloud Service Agreement Template DP
- Meet jointly with Blockchain PSIG
- IDL, IEF, CORBA, and FACE Interop WGs to meet.

Ben Calloni (Objective Interface Systems) reported on the activities of the *Systems Assurance Platform Task Force (Sysa PTF):*

Highlights from this Meeting:
- Bob Martin (MITRE) presented "SBOM RFC Overview and Discussion" coveringthe story of the upcoming RFC from the joint CISQ / OMG Tool-to-Tool SBOM group which has merged with the Linux Foundation's Software Package Data eXchange (SPDX) effort to produce the next version of their ISO/IEC 5962:2021 standard.
- Plan is to have it available for submission to OMG for the Q4 meeting

Deliverables from this Meeting:
- sysa/2022-09-01 "SBOM RFC Overview and Discussion"
- sysa/2022-09-02 "SysA TF Plenary Report"

Future Deliverables (In-Process):
Technology Adoptions
- N/A

RFP/RFI Recommended or Other Recommendations (if SC)
- N/A

Liaisons
- N/A

Agenda Items for the Next Meeting:
- System Assurance Task Force will meet on Wednesday
- Potential SBOM RFC in collaboration with Linux Foundation SPDX and CISQ

Char Wales (Jackrabbit Consulting) reported on the activities of the ***Blockchain Platform Special Interest Group***:

Highlights from this Meeting:
- Worked on Blockchain Smart Contract e-RFI (OMG 1st)
- Had a presentation from Timothey Dunlevy talking about Boeing's experience with Distributed Ledger Technology Standards and Aerospace Industry Best Practices

Deliverables from this Meeting:
Technology Adoption Recommendation(s)
- N/A

RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
- bcpsig/2022-09-01 Blockchain Smart Contract e-RFI

Future Deliverables (In-Process):
Technology Adoptions
- N/A

RFP/RFI Recommended or Other Recommendations (if SC)
- Supply Chain RFI

Liaisons
- N/A

Agenda Items for the Next Meeting:

- Possibly Starting RFI on Supply Chain RFI
- Possibly finding out IOTA's new rep
- Find New Presenters to talk about their Blockchain experience
- Submit Smart Contract RFI for final vote at MARS

Char Wales (Jackrabbit Consulting) reported on the activities of the ***Data Distribution Service (DDS) Platform Special Interest Group*** on behalf of the chairs:

Highlights from this Meeting:
- Reviewed issues in open RTFs, specifically DDS-Security and DDS-XTYPES
- Discussions on publishing the vendor matrix and datamodels deferred to next Meeting

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
- N/A

RFP/RFI Recommended or Other Recommendations (if SC)
- N/A

Liaisons
- N/A

Agenda Items for the Next Meeting:
- Continue work on open RTFs
- Potential: Review and publication of DDS Feature Vendor Matrix
- Potential: Review proposed set of data models to feature in the DDS Foundation.

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

Highlights from this Meeting:
- Mathematical Foundations of Transformation of Knowledge into Models and between Models, joint discussion with the MathSIG (Charles Dickerson,Loughborough University) – MathSIG/22-09-02
- Joint session with AI PTF regarding controlled vocabularies (Claude Baudoin (cébé IT & Knowledge Management), AI PTF chair and Elisa Kendall (Thematix Partners) – ontology/2022-09-01

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
- Commons Ontology Library 1.0 FTF report (December 2022)
- APIs for Knowledge Platforms 1.0 FTF2 report (December 2022)
- ODM 2.0 RFC (December 2022 or March 2023)
- DOL 1.1 RTF report (December 2022)
- Multiple Vocabulary Facility (MVF) 1.0 FTF report (March 2023)
- Languages, Countries and Codes 2.0 RFC (March 2023)
- Ontology [Meta] Modeling Language (OML) RFC (possibly 2023)

RFP/RFI Recommended or Other Recommendations
- N/A

Liaisons
- possible liaison with the Pistoia Alliance with respect to the IDMP-O, Identification of Medicinal Products Ontology
- possible liaison with OAGi with respect to the Industrial Ontology Foundry (IOF)

Agenda Items for the Next Meeting:

- Presentation on minimal guidelines for ontology specifications for OMG
- Metrics for ontology characteristics to provide for OMG ontology artifacts
- Report on generating OMG ontology specifications (using LaTeX)
- Possible continuation of discussion with the MathSIG
- Possible presentation on the need for an ontology for classification of digital twins
- Possible presentation on an RFC for the Ontology [Meta] Modeling Language (OML)
- Possible presentation on an RFP for development of a datalog rule language
- Discussion of a possible maturity index for ontology

The next order of business was **SUBGROUP CHARTERS:**

Fernando Garcia (Real-Time Innovations) moved to charter the **IDL4 to C++ 1.0 Finalization Task Force** with the following dates and memberships:

IDL4 to C++ Language Mapping (IDL4-CPP) 1.0 FTF

Contact: idl4-cpp-ftf@omg.org

TF Chairs: Mr. Fernando Garcia-Aranda

IPR Mode: Non-Assert

Schedule

Event	Date	Notes
Base document(s)		*Relevant documents:* mars/22-09-05 (IDL to C++ Language Mapping Inventory)

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mars/22-09-04 (IDL to C++ Language Mapping Specification (clean))

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<u>Voting List Deadline</u>	September 23, 2022
<u>Beta 1 Specification Publication</u>	November 1, 2022
<u>FTF Comments due</u>	March 31, 2023
<u>FTF Report Due Date</u>	August 28, 2023
<u>FTF Recommendation and Report Deadline</u>	October 6, 2023

Voting List:

Company	Voter
Jackrabbit Consulting	*Dr. Robert (Nick) Stavros*
Micro Focus International Plc	*Mr. Matteo Vescovi*
Object Computing, Inc. - OCI	*Mr. Adam Mitz*
Objective Interface Systems	*Mr. Chuck Abbott*
Real-Time Innovations	*Mr. Fernando Garcia-Aranda*
ZettaScale Technology	*Mr. Erik Hendriks*

Manfred Koethe (88solutions)) seconded the motion
Char Wales (Jackrabbit Consulting) proposed White Ballot.
There was none opposed to White Ballot
Motion passed

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

Manfred Koethe (88solutions) moved to issue the Automated Source Code Resource Sustainability Measure RFC for comments. The

RFC has the following document numbers:

Automated Source Code Resource Sustainability Measure RFC	admtf/22-09-01
Automated Source Code Resource Sustainability Measure RFC with change bars	admtf/22-09-02
XMI	admtf/22-08-02
Resolutions to Comments on Automated Source Code Resource Sustainability Measure RFC	admtf/22-09-03
Inventory	admtf/22-09-04
cover letter	admtf/22-08-04

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

The next order of business was the initiation of the TECHNOLOGY RECOMMENDATION polls:

Before the PTC on 23rd September 2022 were the following submissions and reports and a poll was held for each of them:

IDL4 to C++ Language Mapping Revised Submission	mars/22-09-04
Inventory	mars/22-09-05
convenience document with change bars	mars/22-09-06
SysML 1.7 RTF report	ptc/22-08-01
Convenience document clean	ptc/22-08-02
Convenience document with change bars	ptc/22-08-03
Ancillary attachment file	ptc/22-08-09
SysML.xmi	ptc/22-08-04
SysMLDI.xmi	ptc/22-08-05
QUDV.xmi	ptc/22-08-06
ISO8000.xmi	ptc/22-08-07
SysML 1.7 Precise Semantic model	ptc/22-08-08

Jason Smith 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.

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

- TSG, Inc., Business Architecture Guild, Jackrabbit Consulting, Dassault Systèmes , 88solutions, Thematix Partners, cebe IT & KM

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

Jason Smith (OMG) proposed to bundle the motions to extend deadlines and add personnel and none was opposed to this proposal.

Manfred Koethe (88solutions) made the composite motion:
- to extend the Revision Deadline of the MARTE 1.3 RTF to 31 March 2023
- to extend the Revision Deadline of the DDS-XML 1.1 RTF to 31 March 2023
- to extend the Revision Deadline of the IDL4 to C# 1.1 RTF to 30 June 2023
- to extend the Revision Deadline of the DDSI-RTPS 2.6 RTF to 30 June 2023
- to extend the Revision Deadline of the DDS Security 1.2 RTF to 30 June 2023
- to extend the Revision Deadline of the Diagram Definition 1.2 RTF to 6 October 2023
- to extend the Revision Deadline of the TOIF 1.4 RTF to 6 October 2023

- to add Jim Logan asDassault Systemes voter to the Commons Ontology Library 1.0 FTF
- to add Bernd Busam as oose Innovative Informatik eG. voter to the Essence 1.3 RTF

Daniel Brookshier (Dassault Systèmes) seconded the motion
Char Wales (Jackrabbit Consulting) proposed White Ballot.
There was none opposed to White Ballot

Motion passed.

There being no other business, The Platform technology Committee adjourned at 12:00 P.M. EDT.