

**OMG Platform Technology Committee**  
**Friday, June 27, 2019**  
**Nashville, TN**  
**OMG document ptc/19-09-01**

Larry Johnson determined if the PTC was quorate. Quorum was 7; there were 8 PTC voters present. The PTC was called to order at 10:15 a.m.

First order of business was approval of the Amsterdam, NL minutes (ptc/19-06-27).

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

Next order of business was **SUBGROUP REPORTS**

Ben Calloni (Lockheed Martin) reported on the activities of the *Systems Assurance (SySA) Platform Task Force*:

**Highlights from this Meeting:**

- Updated SACM 2.0 status by Bob Martin
- Voted to withdraw Operational Threat Risk Assessment RFP
- Discussion Software Fault Patterns RFC
- Discussion on Cybersecurity Risk Metamodel Specification (likely an RFC)

**Deliverables from this Meeting:**

- None

**Future Deliverables (In-Process):**

**Technology Adoptions**

- Software Fault Patterns RFC Issuance (December 2019)

**RFP/RFI Recommended or Other Recommendations**

- Vote to withdraw Operational Threat Risk Assessment Metamodel (Passed)

**Liaisons**

- Discussion on OASIS SARIF and TOIF

**Agenda Items for the Next Meeting (Reston):**

- Email Review and Vote to issue Software Fault Patterns RFC prior to December meeting
- SFP Architecture Board review December 2019 meeting

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

### **Highlights from this Meeting**

- Met on Wednesday afternoon
- Explained the history of OMG's AI strategy formation—AI strategy paper requested by the OMG Board
- Response to the NIST RFI on AI Standards—Desire to elevate the work on foundational standards for AI to a Task Force
- Reviewed and edited the proposed charter of a new AI PTF, replacing the AI PSIG chartered in Amsterdam
- Reviewed the content of the NIST response and of the Board paper
- Joint session with ManTIS on Augmented Reality Requirements
  - Mini-workshop by Christine Perey (Wednesday plenary speaker)
- Also presented the proposed AI PTF charter to the Ontology PSIG

### **Documents Issued**

- ai/19-09-05—Proposed AI PTF Charter
  - Supersedes 2019-09-01 and 2019-09-02 after edits made during the meeting
- ai/19-09-03—Augmented Reality (slides from C. Perey's plenary lunch talk)
- ai/19-09-04—AR interoperability requirements (C. Perey's workshop)
- omg/19-09-01—Final draft of OMG AI Standards strategy – awaiting vote by Board

### **Future Deliverables (In-Process)**

- Analysis of the 98 responses to the NIST RFI on AI Standards
  - Discussion paper?
- AI Vocabulary
  - Extends the classification presented in the Board paper
  - Discussion paper

### **RFP/RFI Recommendations:**

- None since the TF doesn't exist yet

### **Agenda Items for the Next Meeting**

- Succession of joint sessions with other groups through the week
- Present the charter if the PTF is formed today
- Regardless (PTF or PSIG), discuss our relationship, offerings, and the other groups' requirements
- Roadmap discussion and possible Reston AI Summit
- Proposed Charter—ai/19-09-02
- Proposed Initial Co-Chairs: Claude Baudoin—Bobbin Teegarden

There was discussion amongst the plenary attendees regarding course of action with respect to the Agent PSIG and the AI PSIG and. Should these existing Special Interest Groups be re-named or re-chartered? No action was taken.

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

**Highlights from this Meeting:**

- with MARS PTF
  - DLT Ecosystems interoperability – RFI
  - Tangle (IOTA node) RFC: updated draft Specification review
  - DIDO RA –reference/usage in Interoperability RFI
  
- With FDTF and MARS PTF
- IOT A MAM and EEE potential RF\*s introduction and discussion
- With Identifiers for Crypto Assets WG and FDTF
  - Potential updates of FIGI standard
  - RTF to be chartered for FIGI 1.1

**Deliverables from this Meeting:**

- Blockchain Ecosystem Interoperability RFI

**Future Deliverables (In-Process):**

- Blockchain Ecosystem Interoperability – RFP(s) – Jun/Sept 2020
- IOTA Tangle RFC
- More general DLT RFP for graph-based immutable records
- IOTA MAM (encrypted message chaining) and EEE protocol RFCs/RFPs

**Liaisons**

- MARS PTF and Finance DTF

**Agenda Items for the Next Meeting:**

- IOTA Tangle Specification RFC review (or draft review)
- IOTA MAM and EEE Specifications draft review (RFP or RFC); RFP planning
- DLT Interoperability RFI: update on responses to date
- DLT Testing Considerations (DIDO TE)
- Potential new RFP: Assurance Model for Crypto Assets

Manfred Koethe (88solutions) reported on the activities of the ***Analysis & Design Platform Task Force*** (ADTF):

**Highlights from this Meeting:**

- Sandy Friedenthal and Ed Seidewitz: SysML v2 Submission Status Update
- Davide Sottara: API4KB Revised RFP Submission Update
- Evan Wallace: Multiple Vocabulary Facility (MVF) RFP Revised Submission Update
- Manfred Koethe: Metamodel Extension Facility (MEF) Update
- Laurent Rioux: Responses to MARTE RFI

**Passed Motions:**

- Change SysML V2 Language and SysML V2 API and Services RFPs revised submission date to 24 May 2021
- Vote to recommend adoption of MEF submission (after move to set revised submission date to 25 Sept 2019 and vote to vote on MEF recommendation to adopt)
- Change the revised submission deadline for MVF from August 2019 to Feb 24, 2020
- Extend the revised Safety and Reliability, API4KB, IMM AMP and EMP RFP submission deadlines to Feb 24, 2020

**Deliverables from this Meeting:**

**Technology Adoption Recommendation(s):**

- None

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

- Recommended adoption of MEF submission

**Future Deliverables (In-Process):**

**Technology Adoptions**

- API4KB revised submission: February 24th, 2020
- MVF revised submission: February 24th, 2020
- AMP & EMP revised submission: February 24th, 2020
- Safety & Reliability for UML revised submission: February 24th, 2020
- IMM revised submission: February 24th, 2020–RFPs
- Precise Semantics of Time for fUMLRFP initial submission: August 2020

**Liaisons:**

- None

**Agenda Items for the Next Meeting:**

- (Onto)-something from Conrad–SysMLv2 Submission Overview and Status

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

**Highlights from this Meeting:**

- REST for CORBA RFP: reviewed, recommended for issuance

- Space Telecommunications Interface RFP: reviewed, recommended for issuance
- *Cloud Service Agreements: What to Expect and What to Negotiate v3.0*: reviewed & recommended discussion paper for publication
- DDS C# API: prepared and reviewed new RFP
- Joint meetings with BC PSIG
  - IOTA Tangle draft RFC: reviewed next draft
  - Blockchain Ecosystem Interoperability RFI: reviewed and recommended for issuance
  - DIDO Reference Architecture Discussion Paper: reviewed next version
  - Reviewed potential complementary blockchain technologies (MAM & EEE)
- IDL, SNC, CORBA, IEF WGs met.
- IDL WG discussed potential UML Profile for IDL 4
- CORBA WG – well attended, including a presentation on CORBA’s role in FACE TSS

**Deliverables from this Meeting:**

**Technology Adoption Recommendation(s)**

None

**RFP/RFI/RFC Recommendation(s)**

REST for CORBA RFP

Space Telecommunications Interface (STI) for Software Radios RFP

Blockchain Ecosystem Interoperability RFI

TF Documents Issued

*Cloud Service Agreements: What to Expect and What to Negotiate v3.0*: CWG discussion paper

**Future Deliverables (In-Process):**

**Technology Adoptions**

DDS-TSN integration: revised submission, 11 Nov 2019

IDL4 to C# Mapping: revised submission 11 Nov 2019

IEF Policy Based Packaging Service (IEPPS): revised submission 11 Nov 2019

TCP/IP PSM for DDS Interoperability: revised joint submission, 11 Nov 2019

RFP/RFI/RFC Recommendations

DDS C# API RFP: issue in Dec 2019

**Liaisons**

None

**Agenda Items for the Next Meeting**

- DDS C# API RFP: review and issue?
- IDL to C++ RFC: review draft
- Review revised submissions
- DDS-TSN Integration
- TCP/IP PSM for DDS Interoperability
- IEF Policy-based Packaging Service (IEPPS)

- IDL4 to C# Mapping
- Joint with BC PSIG:
  - Discuss two potential new RFPs (MAM & EEE, early drafts)
  - IOTA Tangle RFC: review next draft
  - Blockchain Ecosystem Interoperability RFI: early response status report
  - DIDO RA v2.0: review and publish
  - DIDO Test Environment: demonstration
- Continue collaboration with Finance, BC PSIG, Data Governance, FACE Consortium
- WGs to meet: IDL, IEF, SNC, CORBA

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

**Highlights from this Meeting:**

- Status of Ontology related work items at OMG (Evan Wallace, NIST) - ontology/2019-09-02
- Discussion of MDMI 2.0 proposed use of ODM metamodel constructs (Ken Lord, MDIX, Inc) – ontology/2019-09-03
- Retail Digital Receipt Ontology and use cases, (John Glaubitz, Vertex, Inc) – ontology/2019-09-04
- Overview of proposed Artificial Intelligence (AI) PTF and discussion of impact on Ontology PSIG work items (present and future) (Claude Baudoin, cébé IT & Knowledge Management)

**Deliverables from this Meeting:**

None

**Future Deliverables (In-Process):**

- API4KP revised submission (March 2020 –Reston, VA)
- Multiple Vocabulary Facility (MVF) revised submission (March 2020)
- DOL 1.1 RTF Report (December 2019 –Long Beach, CA)
- ODM 2.0 RFC (March 2020)–RFC for the Specification Metadata Ontology, UML Profile, and IDL Template (March 2020)
- Languages, Countries and Codes (LCC) 1.2 RTF report (March 2020)
- Possible Member Submission to the W3C on RDF\*, SPARQL\*
- 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, or part of SPARQL 1.2 at W3C)

**Liaisons**

- None

**Agenda Items for the Next Meeting:**

- see above

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

After brief discussion the PTC plenary members agreed to issue the RFPs and RFIs listed on the PTC agenda in one composite motion.

Char Wales (MITRE):

- moved to issue the REST for CORBA (CORBA-REST) with the OMG document number mars/2019-09-17
- moved to issue the Space Telecommunications Interface (STI) RFP with the OMG document number mars/2019-09-21
- moved to issue the Blockchain Ecosystem Interoperability RFI with the OMG document number mars/2019-08-03

John Draga (Micro Focus) seconded the motion  
Hugues Vincent (THALES) 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 27<sup>th</sup> September 2019 were the below reports and submissions and a poll was held for each of them:

Metamodel Extension Facility(MEF)Revised Submission	
Submission	ad/19-08-01
Machine Readable Files (normative)	ad/19-08-02
Machine Readable Files (auxiliary)	ad/19-08-03
Inventory	ad/19-09-25
Errata	ad/19-09-04
CORBA 3.4 RTF report	
Report	ptc/19-08-01
Specification part 1 clean	ptc/19-08-02
Specification part 1 with change bars	ptc/19-08-03
Specification part 3 clean	ptc/19-08-04
Specification part 3 with change bars	ptc/19-08-05

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.

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

THALES, 88solutions, cebe IT & KM, Micro Focus, IOTA Foundation, Model Driven Solutions, CEA, Boeing

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

Claude Baudoin (cebe IT & KM) moved to dissolve the Artificial Intelligence Special Interest Group

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

Hugues Vincent (THALES) proposed White Ballot

There was none opposed to White Ballot

Motion carried

Claude Baudoin (cebe IT & KM) moved to charter the Artificial Intelligence Platform Task Force (OMG document number ai/2019-09-05)

Manfred Koethe (88solutions) seconded the motion

Hugues Vincent (THALES) proposed White Ballot

There was none opposed to White Ballot

Motion carried

Manfred Koethe (88solutions) moved to re-charter the Agents Platform Special Interest Group (The charter has the OMG document number agent/2004-11-01)

Hugues Vincent (THALES) seconded the motion

J.D. Baker (Sparx Systems) proposed White Ballot

There was none opposed to White Ballot

Motion carried

Char Wales (MITRE) moved to charter the **UPR 1.1 Revision Task Force** with the following dates and membership:

## UML PROFILE FOR ROSETTA (UPR) 1.1 RTF

**Contact:** [upr-rtf@omg.org](mailto:upr-rtf@omg.org)

**TF Chairs:** *Dr. Siyuan Ji*

**IPR Mode:** *Non-Assert*

Schedule



Event	Date	Notes
Base document(s)		<i>Relevant documents:</i> ptc/18-07-01 (UML profile for Rosetta FTF Beta 1)
Voting List Deadline	September 27, 2019	
RTF Public Comment Deadline	December 20, 2019	
RTF Report Due Date	February 24, 2020	
RTF Revision Deadline	April 3, 2020	

## VOTING LIST:

Company	Date	Notes
Airbus Group		<i>Mr. Yves Bernard</i>
MITRE		<i>Mrs. Charlotte Wales</i>
NIST		<i>Mr. Peter Denno</i>
University of York		<i>Dr. Siyuan Ji</i>

J.D Baker (Sparx Systems) seconded the motion  
 Manfred Koethe (88solutions proposed White Ballot  
 There was none opposed to White Ballot  
 Motion carried

Manfred Koethe (88solutions moved to re-charter the **OCL 2.5 Revision Task Force** with the following dates and membership:

## OBJECT CONSTRAINT LANGUAGE 2.5 RTF

**Contact:** [ocl2-rtf@omg.org](mailto:ocl2-rtf@omg.org)

**TF Chairs:** *Dr. Edward Willink*  
**IPR Mode:** *RF-Limited*

### Schedule

Event	Date	Notes
Base document(s)		<i>Relevant documents:</i> formal/14-02-03 (Object Constraint Language, v2.4)

Voting List Deadline	September 27, 2019	
RTF Public Comment Deadline	March 1, 2020	
RTF Report Due Date	May 25, 2020	Deadline might shift to May 18, depending on the June meeting week
RTF Revision Deadline	July 3, 2020	

## VOTING LIST:

Company	Date	Notes
Model Driven Solutions		<u>Dr. Edward Willink</u>
Simula Research Laboratory		<u>Mr. Bran Selic</u>

Char Wales (MITRE) seconded the motion  
 Ed Seidewitz (Model Driven Solutions) proposed White Ballot  
 There was none opposed to White Ballot  
 Motion carried

Manfred Koethe (88solutions moved to charter the **Metamodel Extension Facility (MEF) 1.0 Finalization Task Force** with the following dates and membership:

## METAMODEL EXTENSION FACILITY 1.0 FTF

**Contact:** [mef-ftf@omg.org](mailto:mef-ftf@omg.org)

**TF Chairs:** *Mr. Manfred R. Koethe Mr. Pete Rivett*

**IPR Mode:** *Non-Assert*

### Schedule

Event	Date	Notes
Base document(s)		<i>Relevant documents:</i> ad/19-08-04 (Metamodel Extension Facility (MEF) : Inventory) ad/19-08-03 (Metamodel Extension Facility (MEF) : Machine Readable Files (auxiliary)) ad/19-08-02 (Metamodel Extension Facility (MEF) : Machine Readable Files (normative)) ad/19-08-01 (Metamodel Extension Facility (MEF) : Revised Submission)

Voting List Deadline	September 27, 2019	
FTF Comments due	January 24, 2020	
FTF Report Due Date	February 24, 2020	
FTF Recommendation and Report deadline	April 3, 2020	

## VOTING LIST:

Company	Date	Notes
88solutions		<i>Mr. Manfred R. Koethe</i>
Adaptive		<i>Mr. Pete Rivett</i>
Model Driven Solutions		<i>Mr. Cory B. Casanave</i>
NIST		<i>Dr. Conrad Bock</i>
No Magic, Inc.		<i>Mr. James L. Logan III</i>
Softteam		<i>Mr. Philippe Desfray</i>

John Draga (Micro Focus) seconded the motion  
 J.D. Baker (Sparx Systems) proposed White Ballot  
 There was none opposed to White Ballot  
 Motion carried

Manfred Koethe (88solutions) made the composite motion:

- to extend the fUML 1.5 RTF report deadline to 3 April 2020
- to extend the DDS Security 1.2 RTF report deadline to 25 September 2020
- to extend the MARTE 1.3 RTF report deadline to 3 April 2020
- to extend the MOF 2.6 RTF report deadline to Boston 2020
- to extend the UML 2.6 RTF report deadline to Boston 2020
- to extend the XMI 2.6 RTF report deadline to Boston 2020
- to extend the SysMI 1.7 RTF report deadline to to 26 June or 3 July 2020 (1 week after the June 2020 TC meeting)
- 
- to name Laurent Rioux of THALES co-chair of the MARTE 1.3 RTF
- to add Gene Shreve as OAR Corporation voter to the SysML 1.7 RTF
- to add Ørnulf Staff to the Data-Distribution Service 1.5 RTF

J.D. Baker (Sparx Systems) seconded the motion  
 John Draga (Micro Focus) proposed White Ballot  
 There was none opposed to White Ballot  
 Motion carried

There was the motion to thank outgoing Technical Director Larry KJohnson to thank him for his tireless efforts leading the AB, DTC, and PTC

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 11:43 A.M.