

# Architecture Board (AB)



Reporting Chair: Jason McC. Smith Group URL: https://ab.omg.org/

Group email: ab@omg.org

# **Architecture Board**

- Endorsed for publication:
  - Blockchain Smart Contracts RFI
- Endorsed for adoption:
  - Automated Source Code Resource Sustainability Measure RFC2
  - Commons Ontology Library 1.0 FTF Report
  - DDS Extensions for Time Sensitive Networking submission
  - Precise Semantics for Uncertainty Modeling (PSUM) revised submission
  - Space Telecommunications Interface (STI) 1.0 FTF 2 report



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#### AB Election Results!

- Reseated:
  - Daniel Brookshier (Dassault)
  - Manfred Koethe (88solutions)
  - Nick Stavros (Jackrabbit Consulting)
- Two seats left! One Platform, one Domain
- Nominations can be done online: <a href="https://www.omg.org/members/ab-nomination-form.htm">https://www.omg.org/members/ab-nomination-form.htm</a>
- RFI online publishing / response gathering
  - Electronic responses in a form style
  - Blockchain Smart Contracts RFI (mars/22-12-15) first one
- Deprecation Guidance
- Authoring Tools



Reporting Chair: Jason McC. Smith

Group URL: https://abpsc.omg.org/

Group email: abpsc@omg.org

# AB Process Change Management Subcommittee (ABPSC)

- Highlights from this Meeting:
  - Review of Jira issues (https://issues.omg.org/browse/ABPSC)
  - Manfred Koethe creating dependency and analysis graph of spec catalog
  - Discussion of 'pre-RFP' checklist for better guidance filed with AB
  - Review of RFI template minor issues, resolving for 2023Q1
  - Approval of CC-BY 4 as baseline copyright for self-assessment forms
  - 'Style guides' both presentation and writing style filed with AB
  - Status of AB guidance documentation
    - Setting up AB area on updated wiki area on OMG servers



Reporting Chair: J.D. Baker

Group URL: https://www.omg.org/omg-Group email: certifications/index.htm

cert@omg.org

# **Certification SC**

- Highlights from this Meeting:
  - BPM+ certification status update
    - Seeking funding contact Terrence at milligan@omg.org
    - Question writing in progress while waiting to move to psychometrician tools. Contact Lloyd Dugan <a href="mailto:ldugan.bpmn4sca@gmail.com">ldugan.bpmn4sca@gmail.com</a>
  - CISQ Automated Source Code Quality Measures (formal/22-07-01) now ISO 5055
    - CISQ in discussions to produce a certification exam
  - DAU discussions regarding how the DoD may use OMG certifications
  - UAF certification discussion
    - Separate meetings underway
    - Some funding received already



Reporting Chair: J.D. Baker

Group URL: https://www.omg.org/omg-Group email: certifications/index.htm

cert@omg.org

- Deliverables from this Meeting:
  - None
- Future Deliverables (In-Process):
  - None
- Liaisons
  - None at this meeting.
- Agenda Items for the Next Meeting:
  - TBD

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Reporting Chair: Jason McC. Smith Group URL: https://smsc.omg.org/

Group email: smsc@omg.org

# **Specification Management Subcommittee**

# Highlights from this Meeting:

Affirmed staff review: FACE 1.0 (smsc/22-12-01), LCC 1.2 (smsc/22-12-02),
 RAAML 1.0 (smsc/22-12-03)

# Deliverables from this Meeting:

- Editor's Report (smsc/22-11-01)

#### Other Items:

- Model -> Specification generation (extend to Ontologies?)
- Use of Wiki for spec authoring

- Guidance documents in AB Guidance Wiki
- Report on Style Guides in industry
- Pre-RFP Checklist review



# Platform Technology Committee (PTC)



TC Meeting Date: 2022-12-07 Reporting Chair: Jim Logan

Group URL: https://adtf.omg.org/

Group email: adtf@omg.org

# **Analysis & Design Task Force**

### Highlights from this Meeting:

- Conrad Bock: Semantic Assets and Debts in SST/SysMLv2: Feature ordering and non-uniqueness
  - · Using non-numeric markers to order features
- SST Team: SysML v2 Update
  - · Still planning adoption in March
- Tao Yue: PSUM V1.0 Revised Submission
  - Adopted

#### Motions Passed

- Add a new revised submission date of 20 February 2023 for SysMLv2
- Add a new revised submission date of 20 February 2023 for SysMLv2 API and Services
- Vote to vote for Precise Semantics of Uncertainty Modeling (PSUM)
- Adoption of PSUM revised submission, ad/2022-12-01, ad/22-12-02, and ad/22-12-03



TC Meeting Date: 2022-12-07 Reporting Chair: Jim Logan

Group URL: https://adtf.omg.org/

Group email: adtf@omg.org

# Deliverables from this Meeting:

- Technology Adoption Recommendation(s)
  - Precise Semantics of Uncertainty Modeling
- RFP/RFI/RFC Recommendation(s)
  - N/A

### Future Deliverables (In-Process):

- Technology Adoptions
  - SysML V2 / API / Services revised submission: Feb 20<sup>th</sup>, 2023
  - AMP & EMP revised submission: Feb 20<sup>th</sup>, 2023
  - Precise Semantics of Time submission: May, 2023
- RFP/RFI Recommended
  - N/A

- SST: vote to vote and adopt SysMLv2
- Conrad Bock: more semantic debt? Yes. At next meeting.



TC Meeting Date: 9 Dec 2022
Reporting Chair: Claude Baudoin
Group URL: https://ai.omg.org/

Group email: ai@omg.org

# **Artificial Intelligence PTF**

# Highlights from this Meeting

- Half-day meeting, poorly attended (4 members + 2 guest speakers)
- Report on the progress of the EU AI Act Oliver Klein, Federation of German Industries (BDI)
- Presentation on AI for sampling in an auditing context Karl Gosejacob
- These presentations converged onto a discussion of Al Risk
- Reviewed a document from the "Al Marketplace" project, sent by Rachel Bauer (prostep ivip) on "Al readiness" of engineering IT standards in Al – can Al frameworks (e.g., PyTorch) consume data using IT standards (e.g., ReqIF)
- Report on collaboration with IEEE Standards Association -- Claude Baudoin
  - Project P3123, Al Terminology and Data Formats liaison requested
  - Study group on Al Implementation Risk Tiers: aborted
- Suggestion by Elisa to use MVF on sample entries from the taxonomy



Reporting Chair: Claude Baudoin

Group URL: https://bmi.omg.org/

Group email: bmi@omg.org

# **Artificial Intelligence PTF**

- Deliverables from this Meeting
  - None (minutes to come)
- Future Deliverables (In-Process)
  - Unknown
- Liaisons
  - IEEE Standards Association in progress, Liaison SC to vote electronically
- Agenda Items for the Next Meeting
  - Al Taxonomy (and MVF)
  - Report on related IEEE projects
  - Recruitment of new PTF members
  - Is there an RFP in our future?



Reporting Chair: Char Wales

Group URL: https://mars.omg.org/

Group email: mars@omg.org

# MARS – Middleware And Related Services

- Highlights from this Meeting:
  - Blockchain Smart Contracts RFI: finalized content of RFI, recommended for issuance
  - Linked Encrypted Transaction Streams (LETS) RFP: decided to do nothing
  - DIDO RA 4.0: received short status update
  - Reviewed and approved two Cloud WG Discussion Papers for publication:
    - Cloud Interoperability & Portability (Rev 3.0), Cloud Service Agreement Template
  - Received status update on TCP/IP PSM for DDS Interoperability:
    - Extended revised submission date to June 2023 meeting
  - Reviewed final submission for DDS Time Sensitive Networking (TSN) Integration
    - Recommended for adoption



Reporting Chair: Char Wales

Group URL: https://mars.omg.org/

Group email: mars@omg.org

# **MARS – Middleware And Related Services**

- Highlights from this Meeting (cont.)
  - FACE Interop WG continues preparation for meeting with FACE Consortium's
     Cross Standards group next week
    - Will present three approaches for resolving differences in respective IDL Language mappings
  - Presentation by CORBA WG on effort to add new IDL4 types to CORBA
    - Will be chartering CORBA 3.5 RTF
  - IEF WG
    - Continuing effort to update IEF Reference Architecture (RA) to V2.0 using the RFC process
    - Received a presentation on Secure Relationship Protocol (SRP) and support by the IEF RA
    - Discussed a proposed SRP xBill of Materials (BOM) RFP



Reporting Chair: Char Wales

Group URL: https://mars.omg.org/

Group email: mars@omg.org

# Deliverables from this Meeting:

- Technology Adoption Recommendation(s)
  - DDS-TSN Integration: mars/22-12-03
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
  - Blockchain Smart Contracts RFI: mars/22-12-21
  - Cloud Interoperability & Portability (Rev 3.0): mars/22-12-13
  - Cloud Service Agreement Template: mars/22-12-14

### Future Deliverables (In-Process):

- Technology Adoptions
  - Linked Encrypted Transaction Streams (LETS): revised submission, Nov 7<sup>th</sup>, 2022
  - DDS C# API: revised submission, Feb 20<sup>th</sup>, 2023
  - IDL4 to Python Language Mapping, revised submission, Feb 20<sup>th</sup>, 2023
  - TCP/IP PSM for DDS Interoperability: revised submission, May 22nd, 2023
- RFP/RFI Recommended or Other Recommendations (if SC)
  - DIDO RA 4.0 DP
  - Practical Guide to Cloud Data Governance DP
  - Practical Guide to Cloud Computing V4 DP



Reporting Chair: Char Wales

Group URL: https://mars.omg.org/

Group email: mars@omg.org

#### Liaisons

FACE Consortium (via FACE Interop WG)

- Nominate & vote for additional co-chairs
- Review revised submissions:
  - DDS C# API
  - IDL4 to Python Language Mapping
- Review and publish Discussion Papers
  - DIDO RA 4.0 DP
  - Practical Guide to Cloud Data Governance DP
  - Practical Guide to Cloud Computing V4 DP
- Meet jointly with Blockchain PSIG to review responses to Blockchain Smart Contracts RFI
- Review plans for IEF RA 2.0 RFC
- Review Draft Secure Relationship Protocol (SRP) xBill of Materials (BOM) RFP
- Progress report on CORBA 3.5 RTF
- Seeking presentation from Space DTF on emerging Ground Data Delivery Interface (GDDI) RFP
- IDL, IEF, CORBA, and FACE Interop WGs to meet.



TC Meeting Date: 08 Dec, 2022 Reporting Chair: Bob Martin

Group URL: https://sysa.omg.org/

Group email: sysa@omg.org

# System Assurance Platform Task Force

# Highlights from this Meeting:

- Nick Mansurov (KDM Analytics) presented three separate status briefings on Tools
   Output Integration Framework (TOIF) 1.4 and Software Fault Pattern Metamodel
   (SFPM) 1.0 respectively, going over their background, recent activities, and future plans
   and then he gave a short update on KDM 1.4 standard.
- Bob Martin (MITRE) presented a status briefing on Structure Assurance Case Metamodel (SACM) 2.3 and on the ongoing work on SACM 2.4.
- Carol Woody (SEI) presented "Acquisition Security Framework (ASF)" covering recent work at SEI in analyzing and addressing Supply Chain/Acquisition Risk within the DoD.
- Bob Martin (MITRE) presented "The IETF's new Supply Chain Integrity, Transparency and Trust (SCITT) Standards Efforts" covering the story of the upcoming community driven standards in the Internet Engineering Task Force (IETF) on supply chain attestations using a notary function in combination with permissioned confidential distributed ledger capability.



TC Meeting Date: 08 Dec, 2022 Reporting Chair: Bob Martin

Group URL: https://sysa.omg.org/

Group email: sysa@omg.org

# Deliverables from this Meeting:

- sysa/2022-12-01 "Tools Output Integration Framework (TOIF) Status update"
- sysa/2022-12-02 "Software Fault Pattern Metamodel (SFPM): Semantics of Software Weaknesses
- sysa/2022-12-03 "SACM RTFs"
- sysa/2022-12-04 "Acquisition Security Framework (ASF)"
- sysa/2022-12-05 "The IETF's new Supply Chain Integrity, Transparency and Trust (SCITT) Standards Efforts"
- sysa/2022-09-06 "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

- System Assurance Task Force will meet on Wednesday
- Potential SBOM RFC in collaboration with Linux Foundation SPDX and CISQ



TC Meeting Date: 09/12/2022 Reporting Chair:

Group URL:
Group email:

Ian Stavros

https://bcpsig.omg.org/

hcpsig@omg.org.

# **BCPSIG**

- Highlights from this Meeting:
  - Didn't meet separately this quarter, but did meet jointly with MARS
    - Blockchain Smart Contracts RFI Reviewed jointly;
       recommended for issuance.
    - DIDO RA 4.0 publication deferred until March
    - LETS RFP joint recommendation to take no action on its process schedule



TC Meeting Date: 09/12/2022
Reporting Chair: Ian Stavros

Group email: https://bcpsi

https://bcpsig.omg.org/ bcpsig@omg.org

- Deliverables from this Meeting:
  - Technology Adoption Recommendation(s)
    - N/A
  - RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
- 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:
  - Meet jointly with MARS reviewing
    - Responses to RFI,
    - Review DIDO 4.0
  - Find another group interested in working on a Supply Chain RFI Copyright © 1997-2022 Object Management Group, Inc. All Rights Reserved. OMG TC Status Report



TC Meeting Date: 8 December, 2022 Reporting Chair: Gerardo Pardo

Group URL: https://dds.omg.org/

Group email: dds@omg.org

# **Data-Distribution Service (DDS) SIG**

- Highlights from this Meeting:
  - Presentation on improvements to the DDSI-RTPS interoperability protocol testsuite
    - Will be enhanced and tentatively become available at the March 2023 OMG meeting
  - Discussion on the feedback provides by OpenRobotics on their use of DDS
    - Main feedback related to discovery, out-of-the-box settings and interoperability of DDS-RPC across implementation.
    - Will setup follow-up meeting with OpenRobotics
  - Discussions on IDL4 and DDS-XTYPES RTFs



TC Meeting Date: 8 December, 2022 Reporting Chair: Gerardo Pardo

Group URL: https://dds.omg.org/

Group email: dds@omg.org

# Deliverables from this Meeting:

- Technology Adoption Recommendation(s)
  - · The DDS-TSN was recommended for adoption by the AB
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
  - N/A

### Future Deliverables (In-Process):

- Technology Adoptions
  - DDS-RTPS-TCP
- RFP/RFI Recommended or Other Recommendations (if SC)
  - N/A

#### Liaisons

- N/A

- Continue work on open RTFs
- Update DDSI-RTPS testsuite and release a new batch of interoperability results
- Action Items from OpenRobotics meeting.



Reporting Chair: Elisa Kendall for Evan Wallace

Group URL: https://ontology.omg.org/

Group email: ontology@omg.org

# **Ontology PSIG**

# Highlights from this Meeting:

- Landscape Analysis of Digital Unit Representation (Stuart Chalk, Professor of Chemical Informatics at the University of North Florida, Secretary, CODATA Task Group on the Digital Representation of Units of Measurement (DRUM)) – ontology/2022-12-01
- A Reference Ontology for Supply Chain (Farhad Ameri, Professor, Engineering Informatics Lab at Texas State University) – ontology/2022-12-02



Reporting Chair: Elisa Kendall for Evan Wallace

Group URL: https://ontology.omg.org/

Group email: ontology@omg.org

# Deliverables from this Meeting:

- Technology Adoption Recommendation(s)
  - Commons Ontology Library 1.0 FTF report
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
  - N/A

### Future Deliverables (In-Process):

- Technology Adoptions
  - APIs for Knowledge Platforms (API4KP) 1.0 FTF2 report (March 2023)
  - DOL 1.1 RTF report (March 2023)
  - Languages, Countries and Codes 2.0 RFC (March 2023)
  - Multiple Vocabulary Facility (MVF) 1.0 FTF report (March or June 2023)
  - ODM 2.0 RFC (June or September 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)



Reporting Chair: Elisa Kendall for Evan Wallace

Group URL: https://ontology.omg.org/

Group email: ontology@omg.org

- Presentation on a Commons ontology for quantities and units, joint effort with the SE DSIG (SysML v2 QUDV) and the University of North Florida
- Possible update on ongoing work on the Industrial Ontology Foundry (IOF) and their requirements for ontologies in Commons
- Presentation on minimal guidelines for ontology specifications for OMG
- Metrics for ontology characteristics to provide for OMG ontology artifacts
- Discussion of a possible maturity index for ontology
- 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)



# Domain Technology Committee (DTC)



TC Meeting Date: 9 Dec 2022
Reporting Chair: Claude Baudoin
Group URL: https://bmi.omg.org/

Group email: bmi@omg.org

# **Business Modeling and Integration (BMI) DTF**

# Highlights from this Meeting:

- Almost full-day meeting on Monday, 9 people
- Good discussion on the need for the Standard Business Report Model (SBRM)
  - · Restarted the process after previous submission (Adaptive) got orphaned
  - BRC Fintech (Lars Toomre) and EDM Council (represented by Elisa) have sent LOIs
  - Extending the voting list deadline to 30 Jan 2023 (initial submission due 22 May 2023)
- Jim Rhyne reported on the Business Architecture Core Metamodel (BACM) FTF
- Denis Gagné reporting on the BPM+ FTFs (SCE, SDMN, BKPMN)
- Donald Chapin resurfaced and gave an update on SBVR revision and adoption
- Continued the discussion of strategic/business requirements management
  - Populating an outline to create a discussion paper (preliminary to an RFP?)
  - Join our mailing list, <u>requirements@omg.org</u>
  - Just ask <u>bmi-chair@omg.org</u> if you want to participate



Reporting Chair: Claude Baudoin
Group URL: https://bmi.omg.org/

Group email: bmi@omg.org

# **Business Modeling and Integration (BMI) DTF**

- Deliverables from this Meeting:
  - none
- Future Deliverables (In-Process):
  - Standard Business Report Model (SBRM) new initial submission in Q2
  - Possible RFP on requirements management, following a discussion paper
  - SBVR 1.6 RTF restarting
  - Multiple FTFs are ongoing (BACM, SCE, SDMN, BKPMN, PPMN)

#### Liaisons

- -N/A
- Agenda Items for the Next Meeting:
  - Continue work on requirements management
  - Update on SBVR 1.6 revision
  - Updates from the various FTFs
  - Discuss integration or connections across models (UML, SysML, BPMN, etc.)



Reporting Chair: Matt Wilson

Group URL: https://c4i.omg.org/

Group email: c4i@omg.org

# C4I (Military and Defense) Domain Task Force

# Highlights from this Meeting:

- Joint meeting with Space DTF Tuesday afternoon to discuss collaborative efforts
- Update on progress of FACE Profile for UAF MITRE (Sarah Douglas)
- DDS Monitoring Revised Submission Status—RTI (Gerardo Pardo)
- OARIS 3.0 Submission Status BAE Systems (Simon Mettirck)
- Discuss name / scope / focus of the C4I Domain Task Force (All)
  - Changing name to Defense and Military Domain Task Force
- DevSecOps Information Day Objectives Overview
- Planning for DevSecOps Information Day (March 2023)
- C4I DTF Standards, relationships, and Roadmap discussion



Reporting Chair: Matt Wilson

Group URL: https://c4i.omg.org/

Group email: c4i@omg.org

# **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
  - OARIS 3.0 Initial Submission Planned March 2023
  - DDS Status Monitoring Revised Submission Moved to June 2023
- RFP/RFI Recommended or Other Recommendations (if SC)
  - FACE Profile for UAF RFC coming for March 2023 meeting

#### Liaisons

None

- DevSecOps Standards Information Day (Tuesday)
- DDS Status Monitor Submission update and possible demo
- Joint meeting with Space DTF
- Finalize name change and charter



Group URL: https://govt.omg.org/
Group email: government@omg.org

# **Government DTF**

# Highlights from this Meeting:

- Government DTF did not formally meet in person this TC
- OMG is looking for a Co-Chair for Government DTF
- Plan to rename and formally recharter at Reston TC
- Rename to Government DTF (not long whatever called now)
- Clarify for external parties that Govt DTF is about technology standards for the delivery of government services that are <u>not defense</u>, <u>intelligence or law</u> <u>enforcement-related</u>
- Explain focus will be on RegTech and similar new technologies to support digital transformation of government, and more efficient and effective govt. services.



Group URL: https://govt.omg.org/ Group email: government@omg.org

# Review of OMG GOVT WGs:

- CBDC :: Central Bank Digital Currency WG

ESG :: Environmental, Social, and Governance WG

– RegTech :: Regulation Technology WG

- STATS :: Statistics WG

– STWE :: Secure and Trustworthy Elections WG

– SXLM :: Semantic Workbook WG

– VCOI :: Vocabularies for Community of Interest WG



Group URL: https://government.omg.org/

Group email: government@omg.org

# Federated Enterprise Risk Management ("FERM WG"):

- Chartered by Domain DTF at 2019 Amsterdam TC as independent WG
- Has been inactive since John Tierney left OMG and Lars Toomre for Govt DTF
- "Five-alarm fire" activity currently on-going at Federal Financial Regulators
- BRC FinTech ("BRCF") has been summoned to present to FFIEC in January
- David Blaszkowsky, who some OMG folks know, is joining OMG and BRCF
- John Tierney, who some OMG folks know, is back; help lead FERM(??) WG??
- Two others with David, John and Lars asked to make this presentation
- Subject: Near-Real-Time Enterprise Risk Management
- More info why: read at URL: <a href="https://www.brcfintech.com/insights/wilt-2022-12-06">www.brcfintech.com/insights/wilt-2022-12-06</a>
- FERM WG will include interested parties from at least: Finance, Government, Cloud, Cybersecurity, ML/AI PTF, and SysML communities. Q: Which DTF has Digital Twin standards?
- Finally, one question: What institution owns the most mortgage-backed securities? And that institution's mark-tomarket loss is?



Group URL: https://government.omg.org/

Group email: government@omg.org

### **Bottom-Up Risk Assessment Process Chain**

Asset or Contract 2 Semantic Data

3 Cash Flows Analytics

5 Reports, Decision-Making

#### INFORMATION

Utilize Unique Asset or Contract Identifier

#### Granular:

- CUSIP
- + FIGI

Retrieve Entity/Asset Information

#### Ontology / FIBO:

- + LEI
- Coupon
- Maturity
- . Etc.

Convert Data To Probabilistic Cash Flows

Generate Probabilistic Cash Flows By Date. Use Cash Flows To Calculate Financial Risk Analytics

- Duration
- \$ Value of 1 BP Change
- Key Risk Measures:
  - VaR
  - LaR
  - EaR

Create Actionable Management Reports

- Management Information Reports for Financial Institutions
- Regulator Reports



TC Meeting Date: Dec.9th 2022

Reporting Chair: -

Group URL: https://mantis.omg.org/

Group email: mantis@omg.org

# **ManTIS DTF**

# Highlights from this Meeting:

- Reopening of PKF (Product Knowledge Framework) RFI
- Great discussion with NASA JPL about PKF, OpenMBEE/MMS, SpecIF and future
   MoTIF RFP
- Common meeting with IIC to offer standardization through OMG ManTIS DTF



TC Meeting Date: Sep.19th 2022

Reporting Chair: -

Group URL: https://mantis.omg.org/

Group email: mantis@omg.org

# Deliverables from this Meeting:

- Technology Adoption Recommendation(s)
  - none
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
  - Reopening of PKF RFI

### Future Deliverables (In-Process):

- Technology Adoptions
  - none
- RFP/RFI Recommended or Other Recommendations (if SC)
  - none
- Liaisons
  - ISO SC4, IIC, DTC
- Agenda Items for the Next Meeting:
  - IIC: Demand for Standards
  - PKF



Reporting Chair: Koji KAMEI

Group page (URL): https://robotics.omg.org/

Group email: robotics@omg.org

# **Robotics DTF**

# Highlights from this Meeting:

- 11 participants; (held entirely online, though 1 onsite)
- Discussion for RoSO revised draft submission
- Reviewed RoIS 2.0 RFP draft

# Future Deliverables (In-Process):

- RoSO revised draft (March 2022)
- RolS 2.0 RFP (March 2022)

- Online meeting expected
- Report from interim meetings between Korea and Japan
- Review and Submission of RoIS 2.0 RFP and RoSO revised draft



Reporting Chair: J. Boss

Group URL: https://space.omg.org/

Group email: space@omg.org

# **Space Domain TF**

- Highlights from this Meeting:
  - Discussed and drafted future RFPs including:
    - Ground Data Distribution Interface (GDDI), including space-2022-12-07 draft rfp
    - Command and Control Message Queue (C2MQ), including space-2022-12-05 draft rfp
  - Worked on poster representing OMG/SDTF for Ground System Architecture
     Workshop event in early 2023
  - Met with C4i regarding the future CUDL RFP
  - Rechartering SOLM 1.1 RTF after it was inactive in early 2022
  - Held discussion of RTF status



TC Meeting Date: 20 September, 2022

Reporting Chair: J. Boss

Group URL: https://space.omg.org/

Group email: space@omg.org

# Deliverables from this Meeting:

None

### Future Deliverables (In-Process):

- Technology Adoptions
  - N/A
- RFP/RFI Recommended or Other Recommendations (if SC)
  - Ground Data Delivery Interface (GDDI) RFP was presented to AB, though will be updated for 2023Q1

#### Liaisons

None

- Continued collaboration with C4i, including future CUDL RFP
- Finalize GDDI RFP and present to the AB
- Further drafting of upcoming specification RFPs (C2MS 2.0, CUDL)



TC Meeting Date: 7<sup>th</sup> December 2022 Reporting Chair: Mike Wilkinson

Group URL: <a href="https://www.omg.org/maths/">https://www.omg.org/maths/</a>
Group email: <a href="mathsig-chair@omg.org">mathsig-chair@omg.org</a>

# **Mathematical Formalism DSIG**

- Highlights from this Meeting:
  - The Agenda was organised around material from the Co-chairs
    - Why is mathematical formalism needed in Systems Engineering?
    - Maplesoft review of their demonstration to SE DSIG
    - Model synchronization
  - Supporting documents have been posted to the DSIG homepage
  - Interest was expressed in the work on model synchronization
    - Maplesoft capabilities were considered a good fit with the matrix methods
    - This is a topic for further exploration



TC Meeting Date: 7<sup>th</sup> December 2022 Reporting Chair: Mike Wilkinson

Group URL: <a href="https://www.omg.org/maths/">https://www.omg.org/maths/</a>
Group email: <a href="mathsig-chair@omg.org">mathsig-chair@omg.org</a>

# 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)
  - Explore possibilities for an RTF or RFP for UPR 2.0, and relation to SysML 2.0

#### Liaisons

Sprint Power Technology Ltd

- Summarise the Mathsig engagements with other OMG groups in 2022
- Review the work of other OMG groups and compare with Mathsig objectives
- Show how previous work compares with ISO standards for architecture



TC Meeting Date: 06 December, 2022
Reporting Chair: Sanford Friedenthal
Group URL: https://omg.org/syseng/

Group email: syseng@omg.org

# **Systems Engineering Domain Special Interest Group**

# **Highlights from this Meeting:**

- SysML v2 Update and Demo S. Friedenthal, Ed Seidewitz, Manas Bajaj
- SysML v2 / Maple Analysis Integ Presentation and Demo Paul Goossens, Juergen Gerhard
- Specification Integration Facility (SpecIF) a semantic integration based on a formal specification –
   Uwe Kaufmann, Oskar Dungern
- SysMD: From industrial stakeholder requirements to model-based consistency checking of SysML v2 models - Prof Dr. Christoph Grimm, Damun Mollahassani
- Standardization of Model-Based Acquisition (MBAcq): A Cross industry collaboration Laura Hart
- OpenMBEE Flexo architecture and SysMLv2 integration Blake Regalia, Jason Han
- SysML v2 API in action Enabling Digital Threads and Digital Engineering with Syndeia Manas Bajaj



TC Meeting Date: 06 December, 2022
Reporting Chair: Sanford Friedenthal
Group URL: https://omg.org/syseng/

Group email: syseng@omg.org

# Deliverables from this Meeting:

- Technology Adoption Recommendation(s)
  - {N/A or list w/ Document #'s}
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
  - {N/A or list w/ Document #'s}

### Future Deliverables (In-Process):

- Technology Adoptions
  - {N/A or list w/ Document #'s}
- RFP/RFI Recommended or Other Recommendations (if SC)
  - {N/A or list w/ Document #'s}

#### Liaisons

{Note any relevant liaison activity with external organizations}

# Agenda Items for the Next Meeting:

- {List top items for the next meeting}-