2021 Q4 Update

1/17/2022

OMG STRUCTURE & GROUP DIRECTORY

Architecture Board

- Subcommittees
- Special Interest Groups
- Link to group pages
- Connect with chairs
- Subscribe to Mailing Lists
- Document Prefix

Domain Technology Committee

- Task Forces
- Special Interest Groups
- Link to pages
- Connect with chairs
- Subscribe to Mailing Lists
- Document Prefix

Platform Technology Committee

- Task Forces
- Special Interest Groups
- Link to pages
- Connect with chairs
- Subscribe to Mailing Lists
- Document Prefix

https://www.omg.org/homepages/index.htm

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INFLUENCING OMG STANDARDS DEVELOPMENT

- Keep an eye on phase deadlines

- Public encouraged to contribute during RFI phase

- LOI phase is open to all and not legally binding

- Membership is required to submit by deadlines and vote

RFI — Request for Information

RFP — Request for Proposals

LOI — Letter of Intent

Submitters:
Deadline / Member Level

Voting Lists - Members

REQUEST FOR INFORMATION (RFI)

- **No membership required to respond**

- **Survey of academia/government/industry to guide new standard efforts**

- **Soliciting your input, opinion and level of interest**

- **Your chance to voice your needs and priorities**

- **Responses are considered by the issuing Task Force to guide next steps toward potential new Request for Proposal (RFP) work and new standards**

Opportunity to advise preferences and requirements for potential new work

Responses may influence task force to prioritize planned work according to industry alignment

REQUEST FOR PROPOSAL (RFP)

Letter of Intent (LOI)
- No membership required to submit a LOI
- Not legally binding, but expresses intent
- LOI is required to become a Submitter

Submitters
- Qualified LOI must be on record
- Initial Submission Deadline
- Correct level of Membership required for issuing Technical Committee
- Business Committee Questionnaire

Voting List
- Members Only
- All Members eligible (excluding restricted levels of Trial, Analyst and TF)

- **Submit a LOI**

- **Keep to Deadlines**

- **Make A Difference**

EXAMPLE: IDL4 to PYTHON LANGUAGE MAPPING RFP

Anyone 🔓   **LOI required for Submitters** 🔒   **Members Only**

Letter of Intent (LOI)	Initial Submission (Domain)	Voting List
December 15, 2021	February 21, 2022	March 14, 2022

Version 4 of the Interface Definition Language (IDL) specification extends the traditional IDL syntax and defines a comprehensive set of building blocks to categorize it. Such evolution of IDL requires the definition of a new set of language mappings, because existing mappings, such as IDL to Python, do not include complete coverage of the new constructs introduced in IDL version 4 and newer, and do not map well to the new building-block structure. This RFP solicits proposals for an IDL4 to Python mapping

Contact: mars-chair@omg.org
Interface Definition Language v4 (IDL4) to Python Language Mapping RFP

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GET INVOLVED!

Include your voice in the conversation:

- [OMG "Work in Progress"](#) (public responses requested)
- [Filing Issues](#) (report bugs or suggestions)

Take a look into the OMG Workshop:

- [Current Projects](#) (by Task Force)
- [Project Deadlines](#) (by Date)

PUBLIC COMMENT DEADLINES

Industry comments welcome – no membership required

https://www.omg.org/schedule/tcdeadlines.html

1/17/2022

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GROUP AGENDA ITEMS & DELIVERABLES

ESTABLISHED DURING THE 2021 Q4 VIRTUAL TECHNICAL COMMITTEE MEETING

Analysis & Design PTF Webpage
adtf-chair@omg.org

Next Meeting Agenda:

- Updates on Agent & Event (AgEnt) Metamodel Standards, Information Management Metamodel, Precise Semantics of Time, SysML v2.0 Semantic Debt and deliverables listed below

Deliverables:

- Multiple Vocabulary Facility RFP revised submission (2/21/2022)

- SysML v2.0 RFP and SysML v2.0 API and Services RFP revised submissions (5/23/2022)

- Precise Semantics for Uncertainty Modeling RFP revised submission (12/7/2022)

ANALYSIS & DESIGN

PLATFORM TASK FORCE

OMG Standards Development Organization

Artificial Intelligence PTF Webpage
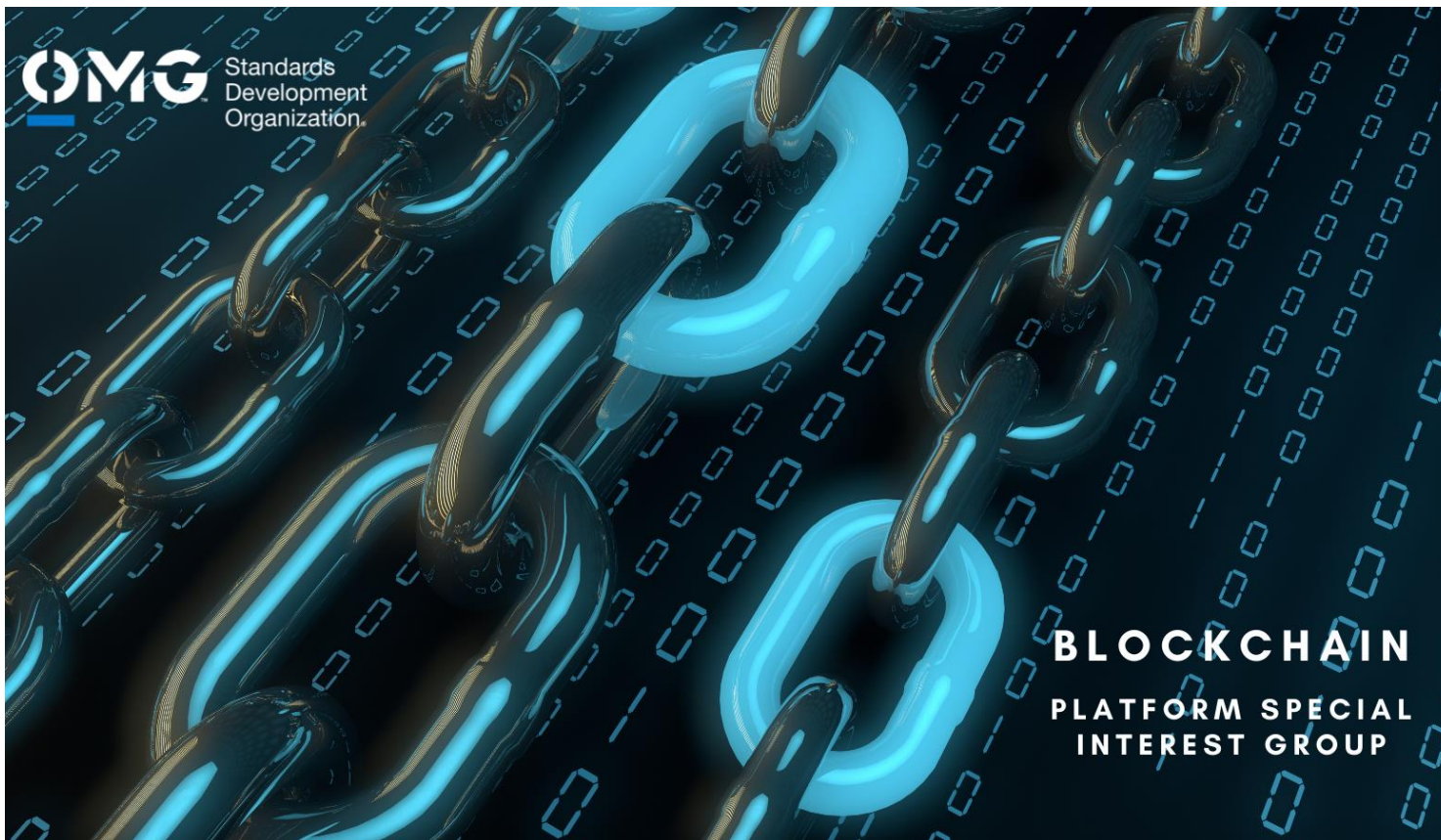## ai-chair@omg.org

Next Meeting Agenda:

- Updates on deliverables below

Deliverables:

- AI Taxonomy or Ontology

- Analysis of NIST RFI Responses

- RFP on Claims-Argument-Evidence Model for AI

- RFI on Representing AI Components in SysML

- RFI on The Need for A Standard Model and Language for Image Labeling

- Modeling the Data Pipeline

- Generalization of Neural Network Exchange and Open Neural Network Exchange formats

Blockchain PSIG Webpage

bc-psig-chair@omg.org

Next Meeting Agenda:

- Joint meeting with Finance DTF and Retail DTF to discuss money modeling concepts
- 3 RFPs on Disposable-SSI: Context, Object and State may be merged
- Updates on deliverables below

Deliverables:

- Distributed Input Distributed Output
- RFC on IoTA Protocol
- RFI on Smart Contracts
- RFP on Disposable Self-sovereign Identity
- Linked Encryption Transaction Streams (LETS) RFP revised submission

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BLOCKCHAIN

PLATFORM SPECIAL INTEREST GROUP

Business Modeling & Integration DTF Webpage

bmi-chair@omg.org

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BUSINESS MODELING & INTEGRATION DOMAIN TASK FORCE

Next Meeting Agenda:
- [Business Architecture Core Metamodel](#) (BACM) evaluation team report and potential adoption recommendation vote
- Roadmap on better integrated BMI specifications suite
- Comparison of Product Lifecycle Management BoM, Software BoM and Pedigree Model in PPMN
- Updates on deliverables listed below

Deliverables:
- BACM revised submission
- [BPM+ Knowledge Package Model and Notation](#) (BKPMN) v1.0 FTF report
- [Pedigree and Provenance Model and Notation](#) RFP revised submission
- Requirements and Risk Management
- RFI on Vendors' and Users' Wishes and Concerns About The Evolution and Harmonization of [BPMN](#), [CMMN](#) and [DMN](#)
- [Standard Business Report Model](#) (SBRM) RFP revised submission
- [Shared Data Model and Notation](#) (SDMN) v1.0 FTF report

Consultation, Command, Control Communications and Intelligence (C4I) DTF Webpage

c4i-chair@omg.org

Next Meeting Agenda:

- DevSecOps Information Day
- OARIS v3.0 initial submission
- Updates on deliverables below

Deliverables:

- RFIs to follow DevSecOps Information Day

Data Distribution Services (DDS) PSIG Webpage
dds-chair@omg.org

Next Meeting Agenda:

- Presentations on common design of DDS service-based discovery

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DATA DISTRIBUTION SERVICES

PLATFORM SPECIAL INTEREST GROUP

Manufacturing Technology & Industrial Systems (ManTIS) DTF Webpage
mantis-chair@omg.org

MANUFACTURING TECHNOLOGY & INDUSTRIAL SYSTEMS

DOMAIN TASK FORCE

Next Meeting Agenda:

- System Assurance presentation
- Model Transformation and Integration Facility (MoTIF) RFC/RFP
- Product Knowledge Framework (PKF) RFI
- Contact Related Groups (Digital Twin Consortium, Industry IoT Consortium, INCOSE DEIXWG, SysML Workflow Forum and Implementer Forum)
- Logistics Modeling RFC/RFP
- Updates on deliverables below

Deliverables:

- DDS TSN revised submission (2/21/22)
- RFI on Product Knowledge Framework (PKF)
- RFI on Model Transformation and Integration Facility (MoTIF)

Middleware and Related Services (MaRS) PTF Webpage

mars-chair@omg.org

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MIDDLEWARE & RELATED SERVICES

PLATFORM TASK FORCE

Next Meeting Agenda:

- Continue collaboration with Blockchain PSIG, Cloud WG, Open Civic Standards DSIG and FACE Consortium

- Updates on deliverables below

Deliverables:

- Cloud Service Agreement Template

- DDS C# API RFP revised submission (2/21/22)

- DDS TSN RFP revised submission (2/21/22)

- Distributed Immutable Data Objects (DIDO) RA v4.0 publication (2022 Q1)

- Everything as a Service: A Guide to XaaS publication (2022 Q2)

- Interface Definition Language (IDL) v4.0 to C++ Language Mapping RFP revised submission (2/21/22)

- IDL4 to Python Language Mapping RFP initial submission (2/21/22)

- Linked Encryption Streams (LETS) RFP revised submission (2/21/22)

- Practical Guide to Cloud Computing v4.0 (2022 Q3)

- Practical Guide to Cloud Data Governance publication (2022Q1)

- RFC on IoTA Protocol (2022 Q2 or Q3)

- RFI on Smart Contracts (2022 Q1)

- TCP/IP PSM for DDS Interoperability revised submission (2/21/22)

Ontology PSIG Webpage
ontology-chair@omg.org

Next Meeting Agenda:

- Report on generating OMG ontology specifications (using LaTeX)

- Possible presentation on the need for an ontology of digital twin classifications

- Possible presentation on an RFP for development of a datalog rule language

- Metrics for ontology characteristics to provide for OMG ontology artifacts

- Discussion of an ontology maturity index

- Updates on deliverables below

Deliverables:

- Multiple Vocabulary Facility (MVF) revised submission (March 2022)

- RFC for Specification Metadata Ontology, UML Profile and IDL Template (June or September 2022)

- Ontology Definition Metamodel v2.0 RFC (June 2022)

- Distributed Ontology, Model and Specification Language v1.1 RTF report (December 2022)

- Languages, Countries and Codes v1.3 RTF report (December 2022)

Open Civic Standards (OCS) DSIG Webpage

ocs-chair@omg.org

Next Meeting Agenda:

- Presentation on OCAF Reference Architecture
  - OCAF RA will be distributed for comment using the OCS DSIG mailing list
  - Presentation on OCAF Architecture Board: Bylaws, member responsibilities, mission, policies and procedures
  - Finalize representatives
- Digital Infrastructure Forum
  - Report on March forum
- OCAF collaboration round-2
  - Looking to collaborate with SysA PTF, ManTIS DTF, BMI DTF and AI PTF

Deliverables:

- RFI on Semantic URI Addressing

Retail DTF Webpage
retail-chair@omg.org

RETAIL

DOMAIN TASK FORCE

Next Meeting Agenda:

- Retail Industry Ontology PSIG Meeting

- UnifiedPOS WG Meeting

- Submission to resolve issues, UPOS v1.15.1

- Submission to resolve issues, UPOS v1.16.1

- Draft of Digital Receipt API v1.0 RFP for review feedback and possibly submission

- NRF post-show wrap up and findings for new work proposals

- JIRA session

Robotics DTF Webpage
robotics-chair@omg.org

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ROBOTICS

DOMAIN TASK FORCE

Next Meeting Agenda:

- Robotic Service Ontology (RoSO) RFP discussion and review for initial submission.

Deliverables:

- RoSO initial submission (2022 Q2)

- RFP on Robotic Interaction Service (RoIS) v2.0 (2022 Q2 & Q3)

[Space DTF Webpage](#)
space-chair@omg.org

SPACE
DOMAIN TASK FORCE

Next Meeting Agenda:

- Telemetry Display Page Exchange Draft RFP
- [Ground Equipment Monitoring Service](#) v2.0 RFP
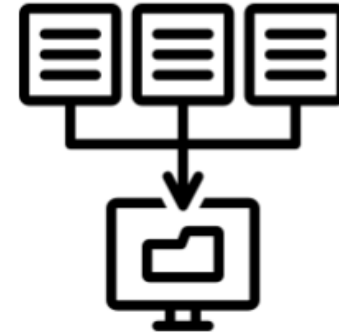- Updates on deliverables below

Deliverables:

- [Command & Control Message Specification (C2MS)](#) v1.1 RTF
- Telemetry Display Page Exchange RFP
- [XML Telemetric & Command Exchange Format (XTCE) v1.3 RTF](#)
- [XTCE US Government Satellite Conformance Profile (XUSP) v1.1 RTF](#)
- RFP on Binary Command and Telemetry Data Transfers Related to the GEMS Specification and Impact on GEMS v2.0
- RFP on Spacecraft Operations Archive Exchange
- RFP on Telemetry Display Definition Exchange

TECHNICAL COMMITTEE MEETING (TCM) RESOURCE HUB

Designated group chairs report on group progress during the closing TCM plenary session

Group progress reports are collected and posted to the TCM Resource Hub

https://www.omg.org/events/tm-resource-hub/index.htm

OMG TECHNICAL MEETING SCHEDULE

March 21 – 25, 2022

Reston, VA

June 20 – 24, 2022

Orlando, FL

September 19 – 23, 2022

Burlingame, CA

December 5 – 9, 2022

Austin, TX

https://www.omg.org/events/index.htm

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OMG & MANAGED PROGRAMS

OMG CROSS PARTICIPATION POLICY

A paying member in good standing of OMG at the approved levels may designate representatives to participate in one working group of the IIC or Digital Twin Consortium (excluding quarterly member meetings).

Each consortium operates under its own rules. Participants must sign a Non-member Contribution and License Agreement (NCLA) to participate in the other consortium.

The limit on the number of OMG Member participants is set by member category, as approved by Board of Directors.

Details: https://www.omg.org/memberservices/cross-participation.htm

MEMBERSHIP LEVEL	CROSS PARTICIPANT SEATS
Contributing	2
Domain	1
Platform	1
Influencing	0
Government	0
Retail Domain	0
Trial	0
University	0

Request Form must be submitted by the Primary Member Representative:
https://www.omg.org/memberservices/cross-participation-request-form.htm

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NEXT STEPS

- **Contact Group Chairs for Updates:** https://www.omg.org/homepages/index.htm

- **OMG Member Company List:** https://www.omg.org/cgi-bin/apps/membersearch.pl

- **Learn about OMG and becoming a member:** bd-team@omg.org

STAFF

help@omg.org

Jason Smith
VP & Technical Director

Juergen Boldt
VP of Member Services

Diane Ehramjian
Director of Member Engagement

Terrance Milligan
Marketing & Analytics Manager