

# Architecture Board (AB)

## Architecture Board

- **Endorsed for Publication:**

- Ground Data Delivery Interface (GDDI) RFP
- Robotic Interaction Service Framework 2.0 RFP
- Automated Technical Debt Measure, Version 2 RFC

- **Endorsed for Adoption:**

- Submissions
  - Kernel Modeling Language (KerML), Version 1.0
  - OMG Systems Modeling Language (SysML), Version 2.0
  - Systems Modeling API and Services, Version 1.0
- xTF Reports
  - ALMAS 1.3 RTF report
  - Command and Control Interface for Navigation Systems (C2INav) 1.2 RTF report
  - DMN 1.5 RTF report
  - API4KP FTF2 report
  - Automated Source Code Resource Sustainability Measure (ASCRSM) 1.0 FTF report

- **Guidance etc.**
  - Pre-RFP Checklists
  - Style Guides
- **Process Continuous Improvement**
  - Various process enhancements in progress – see ABPSC
- **AB Seats:**
  - ***3 seats open! 2 Platform, one Domain***
  - Nominations can be done online: <https://www.omg.org/members/ab-nomination-form.htm>

# AB Process SC (ABPSC)

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## AB Process Change Management Subcommittee (ABPSC)

- **Highlights from this Meeting:**

- Pre-RFP Checklist: further items; will pick up for June QM
- Review of Jira issues (<https://issues.omg.org/browse/ABPSC>)
  - Working Groups: intend to formalize reporting in future
  - Agreed to meet monthly to progress these
  - BCQs – per xTF versus time-limited; no P&P change needed
  - Spec catalog / Spec ‘Family’ links and traceability over time
- GitHub usage
  - Change management for machine readables
  - Use of Markdown – CM/Redline for written specs
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- **Deliverables from this Meeting:**
  - N/A
- **Future Deliverables (In-Process):**
  - N/A
- **Liaisons**
  - N/A
- **Agenda Items for the Next Meeting:**
  - Monthly Meeting: Jira triage
  - Pre-RFP Checklist: Report-back; formal guidelines

# AB Certification SC

## Certification SC

- **Highlights from this Meeting:**

- BPM+ certification status update

- Seeking funding – contact Terrence at [milligan@omg.org](mailto:milligan@omg.org)
- Contact Lloyd Dugan [ldugan.bpmn4sca@gmail.com](mailto:ldugan.bpmn4sca@gmail.com)
- Expect to be done writing questions by Q2 2023 meeting with possible beta testing in Q3 2023

- UAF certification discussion

- Significant funding has been received
- Exams have been outlined (4)
- Model User exam question writing has begun

- SysML v2

- Initial discussion identifying topics for further discussion
- When to begin the effort, etc.



- **Deliverables from this Meeting:**
  - Plenary report – cert-23-03-01
- **Future Deliverables (In-Process):**
  - None
- **Liaisons**
  - None at this meeting.
- **Agenda Items for the Next Meeting:**
  - BPM+ Status
  - UAF Status
  - SysML v2 discussion
  - Other possible efforts – CISQ?
  -

# Liaison ABSC

## Liaison ABSC

- **Highlights from this Meeting:**

- Informal meeting to re-start and establish status
- Heard from most or all known liaison individuals
- Reviewed process / levels for ISO Liaisons; IEEE Liaison/participation
- Listing may or may not be up to date (MB to review based on today knowledge)
- MB will get on top of all status, liaisons etc. for next meeting in order to be able to hand on to new Co-chair(s)
  - Note for process: may want to review P&P so there is always some OMG Staff presence for continuity? Role need not be 'Co-chair' e.g. Secretary?
- Parallel process for 'Reciprocal Membership' entities relationship

- **Agenda Items for the Next Meeting:**
  - Co-chairs election

# Specification Management ABSC (SMSC)

## Specification Management ABSC

- **Highlights from this Meeting:**

- Markdown proposals (from ABPSC); potential impact / process for publication
- Review editor status lists / actions
  - FTF Processes
  - Formal queue
- Templates – review full set for new logo / © etc.
- Element deprecation process – guidelines in flight
- Style Guides
  - Still researching (normative language; active / passive voice; other?)
  - ADDED: Inclusive language – finding suitable guidelines to adopt
- Machine readable listings: Coversheet v Inventory v in Specification (in flight)
- Ancillary files / Business continuity requirement

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- **Deliverables from this Meeting:**

- Passed Motion to publish:
  - FACE Profile for UAF (FACE), v1.0
  - Languages, Countries and Codes (LCC), v1.2
  - Risk Analysis and Assessment Modeling Language (RAAML), v1.0
  - UPOS v1.16 RCSD (Retail Communications Service Devices)
  - Decision Model and Notation (DMN), v1.4

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

- N/A

- **Liaisons**

- N/A

- **Agenda Items for the Next Meeting:**

- Style Guides recommendations for review
- Editor queue etc.
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# Foundations AB SIG



## Foundations AB SIG

- **Highlights from this Meeting:**

- The group met on Monday, 20 March 2023, which was the second meeting of this SIG. It was a short and somehow challenged meeting: None of the co-chairs could be present in the room
- We lost Sean McCormick as participant and co-chair due to new work assignment
- Manfred Koethe explained the role of SIGs, and in particular AB SIGs
- Presentation about the MOF family of specification, their abilities and limitations, and why KerML is a good candidate as a future foundation for interoperable specifications (by Manfred Koethe)
- We need candidates for the election of “real” co-chairs next meeting
- (Manfred Koethe, Sean McCormick and Jim Logan are/were interim co-chairs)

**Scope:** As many of the OMG specifications share fundamental concepts (e.g. models and ontologies), as expressed in common descriptions, definitions, and syntax (collectively ‘common technologies’), and as there is a stated goal of interoperability within the OMG specification ecosystem at multiple levels, the following goals will be within the scope of the Foundations AB SIG.

Examples of current ‘common technologies’ within the OMG specification ecosystem include, but are not limited to: XMI, MOF, OWL, RDF, UML Profiles, SysML, IDL, and potentially KerML.

- To undertake analysis of common technologies used within the OMG specification ecosystem and catalog;
- To identify gaps of capability and possible barriers with regards to harmonization, interoperability, modularity, and reusability and advise on potential solutions;
- To consider common technologies in the pursuit of harmonization, interoperability, modularity, and reusability of specification definitions;

## Foundation Requirements

A powerful common modeling infrastructure, which:

- is based on ONE basic metamodel
- Provides mathematically/ontological grounded core semantics
- Supports modeling in time and space (4D)
- Is easily extensible through metadata annotations and model libraries
- Provides a rich set of fundamental modeling constructs and expressions
- Provides rich model libraries of fundamental capabilities as building blocks of “higher abstraction” to be used intensively in user models

- **Deliverables from this Meeting:**
  - none
- **Future Deliverables (In-Process):**
  - Foundations Roadmap
- **Liaisons**
  - TBD
- **Agenda Items for the Next Meeting:**
  - Roadmap Discussion
  - Co-Chair Election

# Domain Technology Committee

## DTC

# Business Modeling and Integration DTF (BMI)

## Business Modeling and Integration (BMI) DTF

- **Highlights from this Meeting:**

- Met on Monday and Thursday morning, up to 14 people in attendance
- Jim Rhyne (Thematix) reported on the Business Architecture Core Metamodel FTF
- Steve White (BPM Advantage) reported on the BPM+ FTFs:
  - Specification Common Elements (SCE), Shared Data Model & Notation (SDMN), Knowledge Package Model & Notation (KPMN)
- John Butler reported on the Provenance and Pedigree Model & Notation (PPMN) FTF
- Donald Chapin reported on the plans for Semantics of Business Values and Business Rules (SBVR) 1.6 and the lack of uptake of the Semantic Formulations (Clause 21)
- Continued the discussion of strategic/business requirements management
  - Presentation by Fred Cummins received pushback due to a shift in scope and focus
- Discussed Standard Business Report Model (SBRM) RFP and reset dates, including re-opening the LOI, to allow companies that want to team up with EDM Council to come in.

## Business Modeling and Integration (BMI) DTF

- **Deliverables from this Meeting:**

- None

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

- Standard Business Report Model (SBRM) new LOI deadline is 23 Jun 2023, initial submission in Q4 2023, revised submission in Q2 2024
- Possible discussion paper, prior to an RFP, on requirements management, based on initial scope discussed at past meetings
- SBVR 1.6 RTF restarting
- Multiple FTF reports (BACM, SCE, SDMN, KPMN, PPMN), some will need extending

- **Liaisons**

- N/A

- **Agenda Items for the Next Meeting:**

- Continue work on requirements management
- More updates on RTFs and FTFs
- Discuss integration or connections across models (UML, SysML, BPMN, etc.)
- Monitor evolving SBRM situation (LOIs, connection with potential stakeholders)



# Consultation, Command, Control, Communications & Intelligence DTF (C4I)

## C4I (Defense and Military) Domain Task Force

- **Highlights from this Meeting:**
  - OARIS 3.0 Submission Status Update
  - DevSecOps Information Standards Information Day
    - 30 on site attendees
    - 15 virtual attendees
    - Great Dialog – more to come in the future
  - Attended UAF Summit

- **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 – Revised Submission – Planned (***need to vote***) June 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 June 2023 meeting

- **Liaisons**

- None

- **Agenda Items for the Next Meeting:**

- DevSecOps Standards Working Sessions / Debrief information day
- OARIS 3.0 Revised Submission
- DDS Status Monitor Submission update and possible demo
- Joint meeting with Space DTF



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# Finance DTF

## Financial Sector Domain Task Force

- **Highlights from this Meeting:**

- Reorganized the task force electing 3 new co-chairs
- Changed the TF name to Financial Sector DTF
- Commitment to review the TF charter for presentation at the Q2 2013 meeting
- FIBO Status and Process Update – Elisa Kendal
- Financial Data Transparency Act (FDTA) and RegTech – David Blaszkowsky
- FIGI and SBRM Updates
- ESG and CBDC open discussion
- Financial Data Transparency Act Industry Workshop (Thursday)

- **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**

- XBRL-US, ACTUS, FASB liaison on the FDTA

- **Agenda Items for the Next Meeting:**

- TF charter review
- Promotion of FDTA opportunities and solutions

# Government Information Sharing & Services DTF (Gov DTF)

## GOVERNMENT DOMAIN TASK FORCE

- **Highlights from this Meeting:**

- Convene by TC Chair Mike Bennett with suggested agenda including attendance, discussion of leadership format, determination of quorum and understanding of charter.
- White ballot nomination of Co-chair with White ballot approval of Mercia E. Arnold as one of two Co-Chairs, with another Co-Chair to be determined.
- Discussion of collaboration with [Financial Services Domain Task Force]
- Discussion of US and other Government entities unique role in developing standards for compliance with government regulations that change in unique & independent ways from industry. Agreed to consider updating of Group Charter.
- Agreed to slightly alter name by White ballot. Adjourned.



- **Deliverables from this Meeting:**
  - Recommended name change to Government Domain Task Force
- **Future Deliverables (In-Process):**
  - Review of group charter
  - Recommendations for expanding membership by consideration of legislation synergies between BCBS239 & FDTA(Financial Data Transparency Act) and the activities of the Space and other Domains and Platforms.
  - RFP/RFI Recommended or Other Recommendations (if SC)
    - N/A
- **Liaisons**
  - Research on potentially relevant government agencies to prioritize activities
- **Agenda Items for the Next Meeting:**
  - Discussion of Charter
  - Discussion of priorities of members
  - Selection of additional Co-Chair
  - New Business

# Healthcare DTF

# Manufacturing Technology & Industrial Systems DTF (ManTIS)

## ManTIS DTF

- **Highlights from this Meeting:**

- GfSE - Intro to the German chapter of INCOSE (Walter Koch, GfSE)  
<http://doc.omg.org/mantis/2023-03-01>
- GfSE activities in OMG; MoTIF – Model Transformation and Integration Facility (aka ReqIF 2.0 aka SpecIF) recap for discussion (Uwe Kaufmann, GfSE)  
<http://doc.omg.org/mantis/2023-03-02>
- SysML extension for Logistics Modeling and Analysis (SysLMA) (Raphael Barbau, NIST)  
<http://doc.omg.org/mantis/2023-03-03>
- Modeling Language for the Function oriented Development of Mechatronic Systems with motego (Kathrin Spütz, MSE RWTH Aachen)  
<http://doc.omg.org/mantis/2023-03-04>
- ISO TC 184/SC 4 Industrial Data – Update (Allison Barnard-Feeney, NIST)  
<http://doc.omg.org/mantis/2023-03-05>

## ManTIS DTF

- **Highlights from this Meeting:**

- OMG-IIC Collaboration on Standards for Industrial IoT (Claude Baudoin, CeBe Consulting)  
<http://doc.omg.org/mantis/2023-03-06>
- Proposal:
  - Establishment of a Cross-Consortia Working Group on Standardization, taking IIC's STG as an incubator
- Agreement to meet in Orlando (OMG, IIC, DTC will meet jointly) and further discussion in between the meetings

- **Deliverables from this Meeting:**

- Technology Adoption Recommendation(s)
  - none
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
  - None
- **ManTIS voted to reopen the PKF RFI for further submissions by 1 year at the December 2022 meeting**

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

- Technology Adoptions
  - none
- RFP/RFI Recommended or Other Recommendations (if SC)
  - none

- **Liaisons**

- ISO SC4, IIC, DTC

- **Agenda Items and Interest for the Next Meeting(s):**

- Talk to Foundation ABSIG about MoTIF
- Invite IEF intro to ManTIS (Mike Abramson)
- Talk to System Assurance PTF (Ben Calloni / Djenana Campara, SysA Co-Chairs)
- Product Knowledge Framework (PKF) RFI
- MoTIF – Model Transformation & Integration Facility RFP
- Reach-out to / collaboration with related groups:
  - Digital Twin Consortium – Manufacturing WG / IIC – Smart Factory TG
  - MoSSEC / LOTAR
  - OpenMBEE / MMS
  - INCOSE DEIXWG, ...
- OMG Information Day - “How Modern PLM Systems Interact in Enterprise IT Environments” (Sponsored by CONTACT Software)

# Retail DTF



## Retail Domain Task Force

- **Highlights from this Meeting:**

- Team voted to accept the following items
  - Change submission date for Digital Receipt to August 2023 intending to deliver initial submission at the September 2023 Q3 meeting.
  - Open voting list for Fiscal API team to include GS1 and others proposing to join.
  - Start RFP for Digital Receipt Payload (different from other Digital Receipt effort)
- Planning RFP for next Digital Receipt. There are two Digital Receipt efforts, one backward compatible with old UnifiedPOS language, and new for OpenAPI based payload with Fiscal API and new Retail Industry Ontology.
- Work on Digital Receipt is heating up, finding many opportunities for collaboration and use. Smart Airports, GS1 with FDA, Digital Twin.
- Planning to propose small set of errata updates to UnifiedPOS serial connection spec.
- 2023-Q2 meeting in June will mostly be skipped by Retail DTF, intending to focus greater attendance on 2023-Q3 meeting in September.

- **Deliverables from this Meeting:**
- **Future Deliverables (In-Process):**
  - Resolve issues, errata, UPOS 1.16.2 RTF
  - Digital Receipts (UPOS 1.x compatible)
  - Digital Receipts Payload (UPOS 2.x Fiscal API compatible)
  - Retail Industry Ontology (RIO)
  - Fiscal API
- **Liaisons**
  - GS1-US, Sunrise 2027, UnifiedPOS enhancements
  - OPOS-J, Digital Receipt, UnifiedPOS 1.16 issues
  - Smart Airports

# Robotics DTF

## Robotics DTF

- **Highlights from this Meeting:**
  - 9 participants (held online, though 1 onsite in part)
  - RoIS 2.0 RFP submitted.
  - Reviewed RoSO submission but to be submitted again in June.
    - Submission date: May 22, 2023.
    - Presentation: June 19, 2023.
- **Future Deliverables (In-Process):**
  - RoSO revised draft (June 2023)
  - RoIS 2.0 initial submission (March 2024)
- **Agenda Items for the Next Meeting:**
  - On-site meeting expected
  - Review and Submission of RoSO revised draft

# Space DTF

## Space Domain TF

- **Highlights from this Meeting:**

- Discussed and drafted future RFPs including:
  - Command and Control Message Queue (C2MQ), including space/2023-03-02 draft rfp
  - Command and Control Message Specification 2.0
  - Common User Display Language (CUDL), including space/2023-03-04 display definition language v2
- Discussed reception of OMG poster that was at Ground System Architecture Workshop (GSAW) event
- Ground Data Distribution Interface (GDDI) RFP passed through the AB
- Held discussion of RTF status

- **Deliverables from this Meeting:**

- Technology Adoption Recommendation(s)
  - N/A
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
  - Ground Data Delivery Interface (GDDI) RFP, space/2023-03-01

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

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

- **Liaisons**

- None

- **Agenda Items for the Next Meeting:**

- Continued collaboration with C4i, including future CUDL RFP
- Further drafting of upcoming specification RFPs (C2MS 2.0, CUDL, GEMS 2.0)



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# Mathematical Formalism

## DSIG

### (Math SIG)



## Mathematical Formalism DSIG

- **Highlights from this Meeting:**

- Presentation to the SE DSIG on an assessment of SysML v2
  - Four of six SysML v2 capabilities should be sufficient to implement UPR 1.0 legacy profile for ROSETTA; Constraint Definition is a key enabler
  - Interrelational nature of requirements transformation also investigated
- An elementary radar reference model was also presented
  - Multi-objective multi-attribute analysis typical of system design
  - Sufficient detail for general use to investigate system modelling & analysis
- Supporting documents are posted on the Mathsig homepage

ROSETTA: Relational Oriented Systems Engineering Technology Trade-off & Analysis framework

- **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)
  - Continue to explore possibilities for an RTF or RFP for UPR 2.0 in SysML v2

- **Liaisons**

- Sprint Power Technology Ltd (now TAE Power Solutions)

- **Agenda Items for the Next Meeting:**

- Explore possibilities of applying Maple to the elementary radar reference model to further investigate system modelling & analysis capabilities



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# Systems Engineering DSIG (SysEng)

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# Systems Engineering Domain Special Interest Group

Full day meeting

Approximately 65 attendees

## Agenda

- Comparing SysML v2 with SysML v1 – S Friedenthal
- SysML v2 Transition Considerations: An Industry Perspective - Chris Schreiber
- SysML v2 Transition Roadmap: A Tool Vendor Perspective - Gan Wang
- SysML v2 Transition in Support of the DoD DE Strategy - Daniel Hettema
- Naval Digital Engineering Systems Engineering Transformation – Jim Ciarcia
- AADL as a Domain-Specific Extension of SysML v2 – Jerome Hughes
- Implementation of ROSETTA in SysML 2.0 and underlying Mathematical Formalisms – Charles Dickerson (remote)

- **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}
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# Charters

**Proposed Charter for  
Command and Control  
Interface for Navigation  
(C2INav) 1.3 RTF**

**TC Meeting Date:** 24th March 2023

**Presenter:** Matthew Wilson

**Group email:**

**WIP page (URL):**

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• **Formal Specification being Revised:**

- Textual spec dtc/23-03-08
- Model XMI dtc/20-05-18
- IDL-PSM (zip archive) dtc/23-02-07
- GraphQL PSM dtc/22-02-13
- RTF Report (Inventory) dtc/23-03-07

• **IPR Mode: RAND**

• **Members:**

- Ollie Newman BAE Systems **(Chair)**
- Matthew Wilson Simventions
- J.D. Baker Sparx
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• **Deadlines:**

- Comments Due: 1st April 2024
- Report Due Date: 19th August 2024
- FTF Expires: 30th September 2024

# Proposed Charter for ALert MAnagement Service (ALMAS) 1.4 RTF

TC Meeting Date: 24th March 2023

Presenter: Matthew Wilson

Group email:

WIP page (URL):

## • Formal Specification being Revised:

- Textual spec dtc/23-03-02
- ALMAS XMI dtc/22-03-07
- PSM Files dtc/23-02-21
- GraphQL PSM dtc/22-02-06
- RTF Report (Inventory) dtc/23-03-01

## • IPR Mode: RAND

### • Members:

- Simon Mettrick BAE Systems (Chair)
- Matthew Wilson Simventions
- J.D. Baker Sparx
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## • Deadlines:

- Comments Due: 1st April 2024
- Report Due Date: 19th August 2024
- FTF Expires: 30th September 2024



# Proposed Charter for Decision Model and Notation (DMN) 1.6 RTF

**TC Meeting Date:** 24 Mar 2023

**Presenter:** Falko Menge

**Group email:** dmn-rtf@omg.org

**WIP page (URL):**

[https://www.omg.org/techprocess/meetings/schedule/Decision\\_Model\\_and\\_Notation\\_1.6\\_RTF.html](https://www.omg.org/techprocess/meetings/schedule/Decision_Model_and_Notation_1.6_RTF.html)

## •Formal Specification being revised:

- DMN 1.5 Specification		dtc/23-02-10
- DMN 1.5 Specification		dtc/23-02-10
- DMN 1.5 XML Schema (XSD)	dtc/23-02-12	
- DMN 1.5 Meta Model (XMI)		dtc/23-02-13
- DMN 1.5 Meta Model (mdzip)	dtc/23-02-14	
- DMN 1.5 DI XML Schema (XSD)		dtc/23-02-15
- DMN 1.5 DI Meta Model (XMI)	dtc/23-02-16	
- DMN 1.5 DI Meta Model (mdzip)		dtc/23-02-17
- DI XML Schema (XSD)		dtc/18-05-06
- DC XML Schema (XSD)		dtc/18-05-07
- DMN 1.5 non-normative example files (zip)	dtc/23-02-18	

## •IPR Mode: RF-Limited

### •Members:

-Falko Menge	Camunda Services GmbH	(Chair)
-Alan Fish	FICO	(Chair)
-Alessandra Bagnato	Softimeam	
-Denis Gagne	Trisotech	
-Elisa Kendall	Thematrix Partners LLC	
-Gil Segal	Sapiens Decision NA	
-J.D. Baker	Sparx Systems Pty Ltd	
-James Taylor	Decision Management Solutions	
-Jan Vanthienen	K.U. Leuven	
-Matteo Mortari	Red Hat	
-Pete Rivett	agnos.ai UK Ltd	
-Serge Schiltz	processCentric GmbH	
-Sjir Nijssen	PNA Group	
-Stephen White	BPM Advantage Consulting, Inc.	
-Tibor Zimanyi	International Business Machines	
-Uwe Kaufmann	GfSE e.V.	
-Zbigniew Misiak	BOC Products & Services AG	
-Octavian Patrascoiu	Goldman Sachs	

### •Deadlines:

-Comments Due:	June 30, 2023
-Report Due Date:	4 weeks before March 2024 TC meeting
-RTF Expires:	Friday after March 2024 TC meeting



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**BREAK**  
**Return at**  
**HH:11:30am US/Eastern**

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# Platform Technology Committee

## PTC

# Analysis and Design PTF (ADTF)

## Analysis & Design Task Force

- **Highlights from this Meeting:**

- Conrad Bock: Semantic Assets and Debts in SST /SysMLv2: Associations
- SST Team: 4th revised submission of the SysML v2 specifications (KerML, SysML, API and Services)

- **Motions Passed**

- Vote to vote for KerML, SysMLv2, and SysMLv2 API and Services
- Recommend adoption of KerML KerML, SysMLv2, and SysMLv2 API and Services
- Set a new Revised Submission Date of 28 August 2023 for Agent Metamodel and Profile (AMP) and for Event Metamodel and Profile (EMP)

- **Deliverables from this Meeting:**
  - Technology Adoption Recommendation(s)
    - KerML, SysML V2 / API & Services revised submissions
  - RFP/RFI/RFC Recommendation(s)
    - N/A
- **Future Deliverables (In-Process):**
  - Technology Adoptions
    - AMP & EMP revised submissions: Aug 28<sup>th</sup>, 2023
    - Precise Semantics of Time submission: May, 2023
  - RFP/RFI Recommended
    - N/A
- **Agenda Items for the Next Meeting:**
  - TBD

# Architecture-Driven Modernization PTF (ADM PTF)

# Architecture-Driven Modernization PTF Reston Report

TC Meeting Date: 24 March 2023  
Reporting Chair: Ulrich / Newcomb  
Group page: <http://adm.omg.org/>  
Group email: [admtf@omg.org](mailto:admtf@omg.org)  
Reston, VA

- **Highlights from this Meeting:**

- Voted to send “admtf 2023-03-06 Automated Technical Debt Measure Version 2” RFC to AB
- Voted again on AB requested revisions to “admtf 2023-03-06 Automated Technical Debt Measure Version 2 RFC”
- Passed ADM TF both times unanimously

- **Deliverables for this Meeting:**

- admtf 2023-03-06 Automated Technical Debt Measure Version 2 RFC

- **Future Deliverables:**

- Present on possible effort to build a technology integration standard between ADM standards and pending Business Architecture Core Metamodel (BACM)
- Possible additional metrics work

- **Next Meeting** – Sept. 25-29, 2023 Chicago (location tentative)



# Artificial Intelligence

## PTF

### (AI)

## Artificial Intelligence PTF

- **Highlights from this Meeting**

- Met on Tuesday for about 4 hours (10 people + 1 non-member speaker)
- Discussed potential co-chairs to replace Bobbin Teegarden
- Reviewed the progress since Q4 (4 conference calls in Jan.-Feb.)
  - Documented on AI wiki
- Brief update on the taxonomy work
  - Liaison with IEEE P3123 Working Group (AI Terminology and Data Formats)
- “Machine Learning Ontology for Industry” – Milos Drobnyakovic (NIST)
  - Mutual intent to continue collaborating
- “A Taxonomy of AI Trustworthiness” – Jessica Newman (UC Berkeley Center for Long-Term Cybersecurity)
  - How can we make this work into a formal model or profile?

## Artificial Intelligence PTF

- **Deliverables from this Meeting**
  - None (minutes to come)
- **Future Deliverables (In-Process)**
  - Unknown
- **Liaisons**
  - IEEE Standards Association – approved by LSC e-mail vote in Q4 2022
- **Agenda Items for the Next Meeting**
  - AI Taxonomy (and how to try the Multiple Vocabulary Facility on it)
  - Update from NIST about ML ontology
  - Report on AI IP/legal issues from Arnaud Billion (IBM) and Karl Gosejacob?
  - Presentation from Christian Rudelt (Fed. Of German Industries) on the EU AI Act?
  - Report on related IEEE projects
  - Strategy/tactics to recruitment new PTF members (esp. vendors)
  - Is there an RFP in our future?

# Middleware & Related Services PTF (MARS)

## MARS – Middleware And Related Services

- **Highlights from this Meeting:**

- Erik Hendriks & John Draga elected as additional MARS co-chairs
- Reviewed responses to Blockchain Smart Contracts eRFI
  - Revealed need for improved OMG outreach mechanisms, “internal RFI”?
- Linked Encrypted Transaction Streams (LETS) RFP: failed vote to adopt
- DIDO RA 4.0: received short status update
- Received status updates on DDS C# API and IDL4 to Python mapping:
  - Extended revised submission dates for each to September 2023 meeting
- IEF RA 2.0 RFC: reviewed motivation for
- Secure Relationship Protocol (SRP) Bill of Materials (BOM) RFP: presented new RFP
- Joint meeting with ManTIS & AI PTF to discuss potential areas of collaboration

## MARS – Middleware And Related Services

### • Highlights from this Meeting (cont.)

- CORBA WG discussed CORBA 3.5 RTF: organization, schedule, objectives, and process for handling issues backlog (445)
  - Discussion with AB Process SC and SMSC to use Markdown and GitHub to rebase CORBA spec
- FACE Interop WG prototyping two options for OMG middleware conformance with FACE (refer to mars/23-03-09)
  - Prepared update to present to FACE Consortium
- IDL WG: has identified a number of new IDL4 language mappings to develop
  - Will start and present one of them in June
- IEF WG
  - Reviewed and revised SRP xBill of Materials (BOM) Draft RFP
  - Shared status of effort to develop IEF RA 2.0 as an RFC

- **Deliverables from this Meeting:**

- Technology Adoption Recommendation(s)
  - Linked Encrypted Transaction Streams (LETS): **not** recommended – failed.
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
  - none

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

- Technology Adoptions
  - DDS C# API: revised submission, August 28<sup>th</sup>, 2023
  - IDL4 to Python Language Mapping, revised submission, August 28<sup>th</sup>, 2023
  - TCP/IP PSM for DDS Interoperability: revised submission, May 22<sup>nd</sup>, 2023
- RFP/RFI Recommended or Other Recommendations (if SC)
  - DIDORA 4.0 DP
  - Cloud Myths & Realities DP
  - Cloud Security DP (collab with Cloud Security Alliance)
  - PG to Cloud Data Governance DP
  - Practical Guide to Cloud Computing V4 DP

- **Liaisons**

- FACE Consortium (via FACE Interop WG)

- **Agenda Items for the Next Meeting:**

- Review revised submission:
  - TCP/IP PSM for DDS Interop -- Adopt?
- Review and publish Discussion Papers (DPs)
  - DIDO RA 4.0 DP – Publish?
  - Cloud Myths & Realities DP – Publish?
  - Cloud Data Governance DP (?)
- Review Draft RFPs
  - IDL4 to TBD Language Mapping Draft RFP – Initial review
  - Secure Relationship Protocol (SRP) xBill of Materials (BOM) Draft RFP – Issue?
- Review IEF RA 2.0 Draft RFC
- Progress report on CORBA 3.5 RTF
- Presentation from Space DTF on Ground Data Delivery Interface (GDDI) RFP
- (Tentative) Meet jointly with Blockchain PSIG
- IDL, IEF, CORBA, and FACE Interop WGs to meet.



# System Assurance PTF (SysA)

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## System Assurance Platform Task Force

- **Highlights from this Meeting:**

- Nick Mansurov (KDM Analytics) provided the status of Tools Output Integration Framework (TOIF) 1.4 RTF and the Software Fault Pattern Metamodel (SFPM) 1.0 RTF.
- Bob Martin (MITRE) presented “SBOM RFC review” covering the history of the upcoming standard for Software Bill of Materials that merges the efforts from the CISQ/OMG Tool-to-Tool SBOM effort and the Linux Foundation’s SPDX effort.
- Bob Martin (MITRE) presented a status briefing on Structure Assurance Case Metamodel (SACM) 2.3 and on the ongoing work on SACM 2.4 as well as the need for extending the charter for the SACM 2.4 RTF.
- Planning discussion about thoughts for agenda for Orlando meeting

- **Deliverables from this Meeting:**
  - sysa/2023-03-01 “SBOM RFC review”
  - sysa/2023-03-02 “OMG SACM 2.4 TF Report”
  - sysa/2023-03-03 “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
  - Possible joint session with C4I on DevSecOps Standards
    - Update what SysA TF has done in that area
    - How we can collaborate to further the work already done
  - Session on updating mapping between SFPs and CWEs
  - Discuss standardization of protocol between SARIF and TOIF standards
  - SBOM RFC submission in collaboration with CISQ and Linux Foundation’s SPDX

# Agent PSIG

# Blockchain PSIG (BC-PSIG)

## BCPSIG

- **Highlights from this Meeting:**

- Met jointly with MARS

- Reviewed Responses to RFI (22)
- Suggestions for better outreach for more reponses
  - Create an OMG Slack Group
  - Internal RFI to find best places to post for RFI responses

- **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:**

# Data Distribution PSIG (DDS)



## Data-Distribution Service (DDS) SIG

- **Highlights from this Meeting:**

- Presentation and demo on the state of the interoperability test suite
  - Interoperability test suite now in a state where vendors can upload their binary instantiations of the test suite, so that tests can be run between them. Target is to have this running before the June 2023 OMG meeting.
- Discussion on the feedback provided by OpenRobotics on their use of DDS
  - Most important item identified to be an interoperable Discovery Service.
  - Discussed were the basic mechanisms needed to operate such a Discovery Service based on the prototype created by eProxima.
  - We might need to update parts of the RTPS and Security specs to explicitly allow the relaying of discovery information.

- **Deliverables from this Meeting:**

- Technology Adoption Recommendation(s)
  - The DDS-TSN was formally adopted
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
  - N/A

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

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

- **Liaisons**

- N/A

- **Agenda Items for the Next Meeting:**

- Check status of interoperability test suite and discuss what is further needed
- Continue conversation about interoperable Discovery Service

# Methods & Tools User

# Methods & Related Tools PSIG



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Group email:

# Ontology PSIG

## Ontology PSIG

- **Highlights from this Meeting:**

- Presentation: Units and quantities model in SysML2 (Hans Peter de Koning, DEKonsult) – [ontology/2023-03-02](#)
- Presentation: Automated Corporate Entity Tracking and FIBO (Paul Gazzillo, University of Central Florida) – [ontology/2023-03-03](#)

- **Deliverables from this Meeting:**

- Technology Adoption Recommendation(s)
  - APIs for Knowledge Platforms (API4KP) 1.0 FTF2 report

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

- Technology Adoptions
  - DOL 1.1 RTF report (June 2023)
  - Multiple Vocabulary Facility (MVF) 1.0 FTF report (June 2023)
  - Languages, Countries, and Codes (LCC) 1.3 RTF report (June 2023)

- **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 a physical quantities included in ACL by Michel Sauvage (Airbus)
- Possible update on ongoing work on the Industrial Ontology Foundry (IOF) and their requirements for ontologies in Commons



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# Charters



# Proposed Charter for APIs for Knowledge Platforms Specification (API4KP) 1.1 RTF

**TC Meeting Date:** 24 March 2023  
**Presenter:** Elisa Kendall  
**Group email:** [api4kp-rtf@omg.org](mailto:api4kp-rtf@omg.org)  
**WIP page (URL):**  
<https://www.omg.org/techprocess/meetings/schedule/API4KP.html>

## • Formal API4KP 1.0 Specification:

- Specification  
ptc/23-02-03
- API4KP OpenAPI Documentation (normative) ptc/23-02-07
- API4KP UML models for the APIs (normative) ptc/23-02-08
- API4KP OpenAPI 3.x API Files (normative) ptc/23-02-09
- API4KP OpenAPI API Files (normative) ptc/23-02-10
- API4KP Core Ontologies, RDF/XML (normative) ptc/23-02-11
- API4KP Core Ontologies, Turtle (normative) ptc/23-02-12
- API4KP IDL APIs (normative) ptc/23-02-13

## • IPR Mode: Non-Assert

### • Members:

- Elisa Kendall  
Chair) Thematix Partners LLC (Co-
- Davide Sottara Mayo Clinic (Co-Chair)
- Pete Rivett agnos.ai
- John Draga Micro Focus
- J.D. Baker Sparx Systems
- Manfred Koethe 88solutions
- Jim Logan Dassault Systems
- Bobbin Teegarden OntoAge
- Roy Bell Raytheon Technologies
- Uwe Kaufmann GfSE

### • Deadlines:

- Formal Specification publication: May 2023 (published)
- Comments Due: 8 December 2023
- Report Due Date: 19 February 2024
- RTF Expires: 29 March 2024

**Proposed Charter for  
Space  
Telecommunications  
Interface (STI) 1.1 RTF**

**TC Meeting Date: 24 March 2023**

**Presenter:** Louis M Handler

**Group email:** sti-rtf@omg.org

**WIP page (URL):**

<https://www.omg.org/techprocess/meetings/schedule/STI-RTF.html>

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• **Adopted Specification:**

- Submission ptc/2022-12-02
- Inventory ptc/2022-12-01
- XMI file(s) ptc/2022-12-04

• **Members:**

- Jeffrey E. (Jeff) Smith Sierra Nevada Corporation
- Janette Briones NASA GRC, chair
- Manfred R. Koethe 88solutions
- Daniel Brookshier Dassault Systemes
- James D. Baker Sparx Systems

• **Deadlines:**

- RTF Comments Due: 15 September, 2023
- RTF Report Due Date: 1 March 2024
- Revision Deadline: 28 March, 2024

**Proposed Charter for  
ISO/IEC C++ 2003  
Language DDS PSM  
(DDS-PSM-C++) 1.1 RTF**

**TC Meeting Date:** 24 March 2023

**Presenter:** Char Wales

**Group email:** dds-psm-cxx-  
rtf@omg.org

**WIP page (URL):**

[https://www.omg.org/techprocess/  
meetings/schedule/DDS-PSM-  
Cxx\\_1\\_1\\_RTf.html](https://www.omg.org/techprocess/meetings/schedule/DDS-PSM-Cxx_1_1_RTf.html)

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• **Formal Specification being revised:**

- Textual spec **formal/13-11-01**
- Spec sources **ptc/12-10-03**
- Api-documentation **ptc/12-10-04**

• **IPR Mode: Non-Assert**

• **Members:**

- Erik Hendriks **ZettaScale**  
(Chair)
- Clark Tucker **Twin Oaks**
- Alejandro Campos **RTI**
- Håvard Skjevling **Kongsberg Defense & Aerospace**
- Adam Mitz **OCI**
- John Draga **Micro Focus**
- Chuck Abbott **Objective Interface Systems**

• **Deadlines:**

- Comments Due: 11 September 2023
- Report Due Date: 6 November 2023
- RTF Expires: December 15, 2023

**Proposed Charter for  
Systems Modeling API  
and Services  
(SystemsModelingAPI)  
FTF**

**TC Meeting Date:** 24 March 2023

**Presenter:** Ed Seidewitz

**Group email:**

**WIP page (URL):**

- **Adopted (Alpha) Specification:**
  - Inventory (updated) ad/23-03-11
  - **Systems Modeling Application Programming Interface (API) and Services v1.0 ad/23-02-22**
  - Systems Modeling API PIM ad/2023-02-23
  - REST/HTTP API Binding ad/2023-02-24
  - REST/HTTP API Schemas ad/2023-02-25
  - OSLC API Resource Shapes and Vocabulary ad/2023-02-26
  - Systems Modeling API Cookbook ad/2023-02-27 (informative)
  - Systems Modeling API Errata ad/2023-03-07 (informative)
  - Systems Modeling API and Services (w/ errata corrected) ad/2023-03-08
  - SysML v2-Related Ancillary Models ad/2023-03-12 (informative)
- **IPR Mode: Non-Assert**
- **Members:**
  - Manas Bajaj, Intercax (Co-Chair)
  - Rick Steiner, University Arizona (Co-Chair)
  - Ed Seidewitz, Model Driven Solutions
  - Manfred Koethe, 88solutions
  - Richard Page, Ansys/AGI
  - James Rhyne, Thematix
  - Uwe Kaufmann, GfSE eV
  - Tim Weilkens, oose
  - Tomas Vileiniskis, Dassault
  - Eran Gery, IBM
  - Hans Peter de Koning, DEKonsult
  - JD Baker, Sparx
  - Bjorn Cole, Lockheed Martin
  - Karen Ryan, Siemens
  - Ryan Noguchi, Aerospace Corporation
  - Akos Horvath IncQuery Labs
  - Conrad Bock NIST
  - John Draga OpenText
  - Russell Peak Georgia Tech
  - Gene Shreve OAR Corporation
- **Deadlines:**
  - Beta1 publication: 1 May 2023
  - Comments Due: 1 December 2023
  - Report Due Date: 19 February 2024
  - FTF Expires: 29 March 2024

**Proposed Charter for  
Kernel Modeling  
Language (KerML)  
FTF**

**TC Meeting Date:** 24 March 2023

**Presenter:** Ed Seidewitz

**Group email:**

**WIP page (URL):**

• **Adopted (Alpha) Specification:**

- **Inventory (updated) ad/23-03-09**
- **Kernel Modeling Language (KerML) v1.0 ad/23-02-02**
- KerML Abstract Syntax ad/2023-02-03
- KerML Semantic Model Library ad/2023-02-04
- KerML Data Type Model Library ad/2023-02-05
- KerML Function Model Library ad/2023-02-06
- KerML Model Interchange Schemas ad/2023-02-07
- KerML Metamodel Schema ad/2023-02-28
- KerML Errata ad/2023-03-01 (informative)
- Kernel Modeling Language (w/errata corrected) ad/2023-03-02 (informative)
- SysML v2-Related Ancillary Models ad/2023-03-12 (ancillary)

• **IPR Mode: Non-Assert**

• **Members:**

- Ed Seidewitz, Model Driven Solutions (Co-Chair)
- James Logan, Dassault (Co-Chair)
- Manfred Koethe, 88solutions
- Yves Bernard, Airbus
- Richard Page, Ansys/AGI
- Conrad Bock, NIST
- James Rhyne, Thematix
- Uwe Kaufmann, GfSE eV
- Manas Bajaj, Intercax
- Axel Scheithauer, oose
- Eran Gery, IBM
- Hans Peter de Koning, DEKonsult
- Rick Steiner, University Arizona
- Sandy Friedenthal, INCOSE
- JD Baker, Sparx
- Bjorn Code, Lockheed Martin
- Shelley Higgins, Raytheon
- Karen Ryan, Siemens
- Ryan Noguchi, Aerospace Corporation
- Akos Horvath, IncQuery Labs
- John Draga, OpenText
- Bobbin Teegarden, OntoAge

• **Deadlines:**

- Beta1 publication: 1 May 2023
- Comments Due: 1 December 2023
- Report Due Date: 19 February 2024
- FTF Expires: 29 March 2024

**Proposed Charter for  
Systems Modeling  
Language (SysML) 2.0  
FTF**

**TC Meeting Date:** 24 March 2023

**Presenter:** Ed Seidewitz

**Group email:**

**WIP page (URL):**

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• **Adopted (Alpha) Specification:**

- **Inventory (updated) ad/23-03-10**
- **OMG Systems Modeling Language (SysML) v2.0 ad/23-02-09**
- **SysML v1 to v2 Transformation ad/23-02-10**
- SysML Abstract Syntax ad/2023-02-11
- SysML Semantic Model Library ad/2023-02-12
- SysML Analysis Domain Library ad/2023-02-13
- SysML Cause and Effect Domain Library ad/2023-02-14
- SysML Geometry Domain Library ad/2023-02-15
- SysML Metadata Domain Library ad/2023-02-16
- SysML Quantities and Units Domain Library ad/2023-02-17
- SysML Requirements Derivation Domain Library ad/2023-02-18
- SysML v1 to v2 Transformation Model (XMI) ad/2023-02-19
- SysML Metamodel Schema ad/2023-02-29
- SysML Example Model – Simple Vehicle Model ad/2023-02-20 (informative)
- SysML Errata ad/2023-03-03 (informative)
- OMG Systems Modeling Language (w/ errata corrected) ad/2023-03-04 (informative)
- SysML v1 to v2 Errata ad/2023-03-05 (informative)
- SysML v1 to v2 Transformation (w/ errata corrected) ad/2023-03-06 (informative)
- SysML v2-Related Ancillary Models ad/2023-03-12 (ancillary)

• **IPR Mode: Non-Assert**

**Proposed Charter for  
Systems Modeling  
Language (SysML) 2.0  
FTF**

**TC Meeting Date:** 24 March 2023

**Presenter:** Ed Seidewitz

**Group email:**

**WIP page (URL):**

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• **Members:**

- Ed Seidewitz, Model Driven Solutions (Co-Chair)
- Tim Weilkiens, oose (Co-Chair)
- Sandy Friedenthal, INCOSE
- Yves Bernard, Airbus
- Richard Page, Ansys/AGI
- Manfred Koethe, 88solutions
- Øystein Haugen, Østfold University College
- James Rhyne, Thematix
- Uwe Kaufmann, GfSE eV
- Manas Bajaj, Intercax
- Andrius Armonas, Dassault
- Eran Gery, IBM
- Christian Muggeo, Contact Software
- Hans Peter de Koning, DEKonsult
- Rick Steiner, University Arizona
- JD Baker, Sparx
- Bjorn Cole, Lockheed Martin
- Luigi Di Guglielmo, Raytheon
- Karen Ryan, Siemens
- Ryan Noguchi, Aerospace Corporation
- Akos Horvath IncQuery Labs
- Julio Medina Universidad de Cantabria
- John Draga OpenText
- Conrad Bock NIST
- Russell Peak Georgia Tech
- Nick Stavros Jackrabbit Consulting
- Gene Shreve OAR Corporation

• **Deadlines:**

- Beta1 publication: 1 May 2023
- Comments Due: 1 December 2023
- Report Due Date: 19 February 2024
- FTF Expires: 29 March 2024



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# Thank you!!

*Lunch in Lake Anne,  
2nd Floor*



See you in June – Orlando, Florida  
June 19-23

OMG Q2 Technical Meeting

<https://www.omg.org/events/2023Q1/index.htm>