Architecture Board

- Recommendations
    - IDL4 to Python Language Mapping RFP
    - CubeSat Reference Model Submission

- Review of ABPSC Recommendations
    - Eight resolved, formalize and bring before TC 2021 Q4
    - Two identified as OMG Staff matters (tooling, copyright review)
    - Four new issues to be filed

- Other discussions
    - Guides for best practice / Hitchhiker's Guide update
    - Necessary (practical) steps for improved transparency of RTF Reports

AB Process Change Management SC

- Review of ABPSC Issues (https://issues.omg.org/browse/ABPSC)
  - Recommendation to AB based on: Editorial (4) , Small (8), or Large (6)
  - Two sent to SMSC
  - Two to be sent to Board
  - One issue identified to be handled by OMG Staff (tooling)

- Review of ABPSC Recommendations
  - Formalize and bring before TC 2021 Q4

AB Specification Management SC

- Formal Specifications Published Since 2021 Q2

SysML Extension for Physical Interaction and Signal Flow Simulation (SysPhS), v1.1	Clean: formal/21-05-03 Cbar: formal/21-05-04
C++11 Language Mapping, v1.5	Clean: formal/21-05-01 Cbar: formal/21-05-02
Semantics of a Foundational Subset for Executable UML Models (fUML), v1.5	Clean: formal/21-03-01 Cbar: formal/21-03-02

- ISO Documents – New Processes

19517: UAF, v1.1	Note: This will supercede UPDM, v2.1.1 (19513)

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AB Specification Management SC

- Formal Queue

  - Minor URI issues noticed, review then email vote

    IDL4 to Java Language Mapping, v1.0

    IDL4 to C# Language Mapping, v1.0

    WS-POS, v1.3

    MOF2RDF Mapping, v1.0

    Metamodel Extension Facility (MEF), v1.0

  - Editing queue

    UPOS, v1.16

    SACM, v2.2

    DDS-RTPS, v2.5

    Automated Source Code Quality Measure (ASCQM), v1.1

    Unified Component Model for Distributed, Real-Time and Embedded Systems (UCM), v1.3

TC Meeting Date:
Reporting Chair:
Group page (URL):
Group email:

Domain Technology Committee

DTC

Business Modeling and Integration DTF

BMI

TC Meeting Date: 27 Sep 2021
Reporting Chair: Claude Baudoin
Group page (URL): omg.org/bmi
Group email: bmi@omg.org

Business Modeling & Integration DTF

- **Highlights from this Meeting**
  - PPMN (Provenance & Pedigree Model & Notation)
    - Revised submission presentation (John Butler)
    - Moved revised submission date to 8 Nov 2021
  - BPM+ Knowledge Package Model and Notation (BKPMN)
    - Two initial submissions by the "BAX team" (BPM Advantage, Auxilium TG, XZYOS) and the "M&M team" (MEGA, Model Driven Solutions)
    - Submissions are not at the same level and may be compatible – t.b.d.
  - Shared Data Model and Notation (SDMN)
    - Ditto
  - Business Core Architecture Metamodel (BACM)
    - Update on progress or revised submission by Jim Rhyne
  - More discussion about future harmonization between BPMN, CMMN, DMN, and eventually with the rest of the BPM+ family

TC Meeting Date: 27 Sep 2021
Reporting Chair: Claude Baudoin
Group page (URL): omg.org/bmi
Group email: bmi@omg.org

Business Modeling & Integration DTF

- **Documents created since the end of the previous meeting**
  - bmi/21-08-01 to -05   SDMN submission by BAX team
  - bmi/21-08-06 to -11   SCE (Specification Common Elements) contained in PPMN and in the SDMN and BKPMN submissions by BAX team
  - bmi/21-08-12 to -16   BKPMN submission by BAX team
  - bmi/21-08-17   BKPMN submission by M&M team
  - bmi/21-08-18   SDMN submission by M&M team
  - bmi/21-09-01   Notes from BMI DTF 2021Q2 meeting
  - bmi/21-09-02   PPMN revised submission presentation
  - bmi/21-09-03   SDMN initial presentation (BAX team)
  - bmi/21-09-04   SDMN initial presentation (M&M team)
  - bmi/21-09-05   BKPMN initial presentation (BAX team)
  - bmi/21-09-06   BKPMN initial presentation (M&M team)

TC Meeting Date: 27 Sep 2021
Reporting Chair: Claude Baudoin
Group page (URL): omg.org/bmi
Group email: bmi@omg.org

Business Modeling & Integration DTF

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

    - BACM revised submission (Q4)

    - PPMN revised submission (Q4)

    - BKPMN revised submissions (Q4, may need to be extended)

    - SDMN revised submission (Q4, may need to be extended)

    - SBRM revised submission (Q4)

    - Stalled for now due to the above work

        - Discussion Papers on Requirements and Risk Management

        - RFI about vendors' and users' wishes or concerns about the evolution and harmonization of BPMN, CMMN and DMN

TC Meeting Date: 27 Sep 2021
Reporting Chair: Claude Baudoin
Group page (URL): omg.org/bmi
Group email: bmi@omg.org

Business Modeling & Integration DTF

- **Agenda of Next Meeting**

  - Monday, December 6, plus another day t.b.d.

  - Revised submission presentations

    - BACM

    - PPMN

    - SDMN

    - BKPMN

    - SBRM

  - Discussion of BPM+ strategy and specification harmonization roadmap

- **Preview of 2022Q1**

  - Spillover from 2021Q4 (let's not dream)

  - Discussion of modeling approaches (suggested by Jim Rhyne) – broader topic than the scope of BMI

Consultation, Command, Control, Communications & Intelligence PTF C4I

C4I DTF

- **Highlights from this Meeting:**

  - Review of the Tactical Decision Aids Final Submission

    - Reuesting and Extension to the Long Beach Meeting (2021-11-08)

  - Continuing DevSecOps discussion

    - Review all C4I specifications for potential need for cyber security and data protection enhancements

  - Joint Session on DevSecOps Roadmap and Information Day in Reston

- **Deliverables from this Meeting:**

- c4i/2018-06-08 Final submission c4i/2021-08-01 answering RFP
- c4i/2021-08-02 UML PIM XMI
- c4i/2021-08-05 Enterprise Architect convenience model
- c4i/21-09-01 TDA Revised Submission Q3 21 c4i_2021-09-01.pptx

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- **Future Deliverables (In-Process):**
  - TDA Final Submission
  - DevSecOps Roadmap in conjunction with SysA
    - •And any TFs, WGs, and Sigs that want to contribute

- **Liaisons**
  - NATO and US J6 – Use of IEF-RA for Data Centric Security
  - NATO CWIX – Data Centric Security
  - NATO on DevSecOps Participation in Reston
  - Canadian DND – ADL(IM) DG CYBER – Data Centric Security

- **Agenda Items for the Next Meeting:**
  - TDA submission review
  - Continued DevSecOps discussion for and Information Date in Reston

**Standards
Development
Organization**

Finance DTF

Government Information Sharing & Services DTF

Gov DTF

Healthcare DTF

Manufacturing Technology & Industrial Systems DTF

ManTIS

Standards Development Organization

Retail DTF

Standards Development Organization®

Highlights from this Meeting:

– Every active RFP team voted to extend deadlines to make room for attempting submissions at upcoming December 2021 meeting, with space to delay into next year.

– UNIFIEDPOS FISCAL API 2.0 RFP – extend to March, 2022
DIGITAL RECEIPT API V1.0 RFP – extend to March, 2022
UNIFIEDPOS V2 MODEL AND POS PRINTER API RFP – extend to March, 2022
UNIFIEDPOS 1.15.1 RTF – extend to March, 2022

– Proposal to charter UPOS 1.16.1 RTF for maintenance and combining branches into full spec.

– Vivian Underwood (GS1-US), our liaison to GS1-US presented cutting edge findings from the recent "POS Test Kit" effort to quantify retailer and vendor readiness for the coming shift from the ubiquitous UPC to high-capacity data carriers with dynamic data.

– John Glaubitz (Vertex) continues to make tremendous progress moving and organizing the retail body of knowledge contained within our long history of specifications into the Retail Industry Ontology (RIO). Parts of RIO are set to release inside upcoming submissions for Fiscal API and Digital Receipt.

– Furuhata Tadashi (Microsoft) and Toyohiro Yasumoto (VINX) liaisons with OPOS-J completed a mountain of work preparing for the future release of UPOS 1.16.1 (proposed RFP at this quarterly meeting.

– Roland Zalisevskij (Service Plus IT) continues making significant progress on Fiscal API, bringing a wealth of knowledge about current issues dealing with widely different retail fiscal reporting legislation across the European community.

– Planning underway for presence at the NRF Big Show in NYC in January, 2022. Possibly a kiosk booth, staffing, marketing material and presentations about Retail DTF assets and new work.

– Need help with understanding our JIRA workflow, have items ready to be tracked, would like a short education session where the team is taken through our JIRA process with a real item.

Deliverables from this Meeting:

retail/	Retail DTF Day 1 Meeting Minutes
retail/	UnifiedPOS 1.16.1 RTF Charter
retail/	Retail DTF Closing Plenary Report

Future Deliverables:

- Digital Receipt RFP
- UnifiedPOS v2 Fiscal API RFP
- UnifiedPOS v1.15.1
- UnifiedPOS v1.16.1 (expecting RFP to be chartered)

Liaisons

- OPOS-J
- GS1-US
- Ontology PSIG

Agenda Items for the Next Meeting (Long Beach):

- RDTF Summary and Agenda Overview
- Retail Industry Ontology WG meeting
- UnifiedPOS WG meeting
- Submission to resolve issues, UPOS 1.15.1
- Submission to resolve issues, UPOS 1.16.1
- Draft of Digital Receipts for review feedback, possibly submission
- NRF Big Show January 2022 outreach preparations

Robotics DTF

Robotics DTF

- **Highlights from this Meeting:**
  - 5 participants online.
  - Contact report: ISO TC299/WG6 (Koji Kamei)
  - Two presentations from AIST and JARA in Robotic Functional Service WG.
  - Discussion on RoSO/RoIS roadmap and RoSO initial draft.
  - RoSO timetable extended once again for a half year.
- **Future Deliverables (In-Process):**
  - RoSO initial draft discussion in Q4/2021 and submission in Q2/2022.
- **Liaisons**
  - ISO TC299/WG6 (Makoto Mizukawa and Koji Kamei)
  - IEEE RAS (Abdelghani Chibani and Koji Kamei)
- **Agenda Items for the Next Meeting:**
  - RoSO discussion and review for initial submission at the Long Beach meeting.

RoSO RFP timetable (robotics/2021-09-03)

Event or Activity	robotics/20-09-08	Robotics/21-03-03	Extended Date
Letter of Intent (LOI) deadline	*10 May 2021* (1-week before the initial submission)	*1 November 2021* (1-week before the initial submission)	*16 May 2022* (1-week before the initial submission)
Initial Submission deadline	*17 May 2021* (4-week before the June mtg.)	*8 November 2021* (4-week before the Dec. mtg.)	*23 May 2022* (4-week before the June mtg.)
Voter registration closes	*7 June 2021*	*6 December 2021*	*20 June 2022*
Initial Submission presentations	*7 June 2021*	*6 December 2021*	*20 June 202*
Revised Submission deadline	*8 November 2021* (4-weeks before the Dec. mtg.)	*May 2022* (4-weeks before the June mtg.)	*7 November 2022* (4-weeks before the Dec. mtg.)
Revised Submission presentations	*6 December 2021*	*June 2022*	*5 December 2022*

Space DTF

TC Meeting Date: September 29th – 30th, 2021
Reporting Chair: Luis Rodriguez
Group page (URL): space.omg.org
Group email: space@omg.org

Space DTF

- **Highlights from this Meeting:**

  – AB review and acceptance for the CSRM Profile Specification Sept 27th

  – Wednesday SDTF meeting to present AB findings on CSRM and hold a vote-to-vote and vote to recommend. Both passed.

  – Discussion on members for the FTF for CSRM. Co-Chair to be Daniel Brookshier.

  – Discussion on having an industry day to align with rollout of CSRM.

  – Thursday SDT meeting heard proposal from Don Sather Aerospace on collaboration opportunity with Joint Satellite Operations Compatibility Committee (JSCC)

  – Quick review and status of Table Exchange for Telemetry (TEXT) RFP

  – Agreed to wrap this up for submission at next meeting.

Space DTF

Standards Development Organization®

TC Meeting Date: September 29th – 30th, 2021
Reporting Chair: Luis Rodriguez
Group page (URL): space.omg.org
Group email: space@omg.org

- **Deliverables from this Meeting:**
  - space/21-08-01   CubeSat System Reference Model (CSRM) Specification
  - space/21-09-01   CSRM Errata
  - space/21-09-02   Inventory
  - space/21-09-07   CSRM Profile.xmi
  - space/21-09-08   CSRM Profile.mdzip
  - space/21-09-09   CSRM Convenience doc with errata space/2021-09-01 – Changebar
  - space/21-09-10   SDTF Meeting Minutes 2021-09-29

- **Future Deliverables (In-Process):**
  - TEXT RFP
  - Data Archive RFP

- **Liasons**
  - Joint Satellite Operations Compatibility Committee

- **Agenda Items for the Next Meeting:**
  - FTF work on CSRM profile
  - RTF work on XTCE, C2MS, GEMS
  - GitHub usage for Space DTF
  - Industry day planning
  - JSCC Standards Discussion

OMG Standards Development Organization.

Mathematical Formalism DSIG

Math SIG

Open Civic Standards

DSIG

OCS

OMG Standards Development Organization®

TC Meeting Date: October 1, 2021
Reporting Chair: Heather Crondahl
Group page (URL): www.omg.org/ocs
Group email: ocs-dsig@omg.org

Open Civic Standards

- **Highlights from this Meeting:**

  - **Heather Crondahl, Open Civic Architectural Framework:** Presented an overview of the Open Civic Architectural Framework, the alignment of OMG's standards under its five architectural domains, and opportunities for partnership with the Open Civic Foundation.

  - **Greg Capella, National Technical Information Service:** Described the benefits and opportunities of the NTIS Joint Venture Partnership Program, and opportunities for OMG members to participate.

  - **Panel Discussion** - Discussion with panelists on the direction of the OCAF initiative, the proposed use of vertical standards, and opportunities for involvement.

TC Meeting Date: October 1, 2021
Reporting Chair: Heather Crondahl
Group page (URL): www.omg.org/ocs
Group email: ocs-dsig@omg.org

- **Liaisons**
  - Collaboration with Open Civic Foundation
- **Agenda Items for the Next Meeting:**
  - Presentation and status report on OCAF Architecture Board, and collaborations with other OMG groups.
  - Update on joint seed funding application with the National Science Foundation.
  - Presentations by OMG groups on how existing OMG efforts can support the OCAF ecosystem:
    - Ontology; DIDO; IEF; DDS; BPMN, CMMN and DMN; and VDML.

Systems Engineering DSIG

SysEng

Systems Engineering DSIG

- **Tuesday, September 28, 2021**

Highlights from this Meeting:

SysML v2 Revised Submission Overview – S Friedenthal, E Seidewitz, M Bajaj

➢ Walkthrough of Vehicle model from Annex B of the SysML v2 specification to illustrate how to model with SysML v2
➢ API & Services Overview

Proof of Concept for Executing SysML v2 Models – B Cole, S. Balestrini

➢ Demonstrated approach to interpret a SysML v2 model to perform analysis
➢ Example model of electrical circuit with varying numbers of resistors and diodes
➢ SysML v2 model authored in Jupyter, accessed via the SysML v2 API, and integrated with an OpenMDAO solver to perform the calculations

A Model-Based Approach for Europa Lander Mission Concept Exploration – M Lattimore

➢ Application of SysML v1 to specify and evaluate multiple surface missions and the autonomy reuqirements
➢ Generated documentation in View Editor

Charters

Proposed Charter for CubeSat System Reference Model Profile (CSRM) FTF

TC Meeting Date: 27 Sept, 2021
Presenter:
Group email: csrm-ftf@omg.org
WIP page (URL):
https://www.omg.org/techprocess/meetings/schedule/CSRM-FTF.html

- **Adopted Specification:**
  - space/2021-08-01
- **Members:**
  - Gerry Simon, Braxton Technologies, LLC.
  - David Kaslow, INCOSE
  - Ryan Noguchi, The Aerospace Corporation
  - James Rice, NASA
  - Daniel Brookshier (Chair), Dassault Systemes
- **Deadlines:**
  - Beta Specification Publication: 31 October, 2021
  - Comments Due: 06 June, 2022
  - Report Due Date: 15 August, 2022
  - Report Deadline: 23 September, 2022

Proposed Charter for Open Architecture Radar Interface Standard (OARIS) 2.0 FTF-2	**TC Meeting Date:** 1 October 2021
	Presenter: Simon Mettrick
	Group email: oaris-ftf@omg.org
	WIP page (URL): https://www.omg.org/ techprocess/meetings/schedule/OARIS _2.0_FTF.html

- **Formal Specification being revised:**
  - **Textual spec**   **c4i/20-08-01**
  - **OARIS model XMI**   **c4i/20-08-03**
  - **OARIS DDS PSM files, .zip archive (Zip File) c4i/20-08-05**
  - **OARIS GraphQL PSM files, .zip archive (Zip File) c4i/20-08-06**
  - **Inventory**   **c4i/20-08-07**
- **IPR Mode: RAND**
- **Members:**
  - **Simon Mettrick**   **BAE Systems (Chair)**
  - **Richard Bartual**   **Thales**
  - **Charlie Fudge**   **NSWCDD**
  - **Gerardo Pardo**   **RTI**
  - **Matt Wilson**   **SimVentions**
  - **John Draga**   **Micro Focus International Plc**
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- **Deadlines:**
  - Comments Due: 31 March 2022
  - Report Due Date: 17 May 2022
  - FTF Expires: 1 July 2022

		Proposed Charter for UnifiedPOS(ACRONYM) Version 1.16.1 RTF	**TC Meeting Date:** 30 Sept. 2021

TC Meeting Date: 30 Sept. 2021

Presenter: Tadashi Furuhata

Group email: Retail DTF

WIP page (URL):
https://www.omg.org/techprocess/meetings/schedule/Unified_POS.html

- **Adopted (Alpha) Specification:**
  - **Textual spec   (dtc/20-04-02(UnifiedPOS RCSD v1.16**
                  https://www.omg.org/spec/UPOS/1.16/Beta1/)
  - **Normative reference (https://www.omg.org/spec/UPOS)**
- **IPR Mode: Rand**
- **Members:**

Name	Company	Position	Voting
Tadashi Furuhata	**Microsoft KK**	**Member**	**Y**
Andy Mattice	**Lexmark**	**Member**	**Y**
Toyohiro Yasumoto	**Vinx**	**Member**	**Y**
Leonid Rubakhin	**Aptos**	**Member**	**Y**
Kuniss Denis	**Diebold Nixdorf**	**Member**	**Y**
Vivian Underwood	GS1 US	Member	Y
John Glaubitz	Vertext	Member	Y

- **Deadlines:**
  - Beta1 publication: Nov. 8, 2021
  - Comments Due: Jan. 10, 2022(4 weeks after December Meeting)
  - Report Due Date1:   Feb 21,2022(4 weeks before March Meeting)
  - Report Due Date2:   May 20, 2020 (4 weeks before June Meeting)
  - RTF Expires: Nov. 30, 2022 (14 month after the charter sub.)

Break

We will resume at 10:35 ET

OMG Standards Development Organization

TC Meeting Date:
Reporting Chair:
Group page (URL):
Group email:

Platform Technology Committee

PTC

Analysis and Design
PTF

ADTF

Analysis & Design Platform Task Force

- **Highlights from this Meeting:**
  - Sandy Friedenthal, Ed Seidewitz, Manas Bajaj: SysML V2 Update Presentation
  - Sandy Friedenthal, Ed Seidewitz, Manas Bajaj: Establish SysML V2 submission eval group
  - Conrad Bock: SST/SysML2 Semantic(and Other) Debt Presentation
  - Chas Galey: UML3 Draft RFP
  - Tao Yue: PSUM Precise Semantics for Uncertainty Modeling (PSUM) Status Update
  - Passed Motions:
    - Add revised submission date for SysMLv2 RFP to November 8th, 2021
    - Add revised submission date for SysMLv2 API and Services RFP to November 8th, 2021
    - Move the revised submission of PSUM from February 21, 2022, to December 7, 2022
    - Move the revised submission date for Multiple Vocabulary Facility (MVF) from August 30, 2021 to November 8, 2021

- **Deliverables from this Meeting:**
  - Technology Adoption Recommendation(s): None
  - RFP/RFI/RFC Recommendation(s) or Other Recommendation(s): None

- **Future Deliverables (In-Process):**
  - Technology Adoptions
    - SysML V2 and SysML V2 API and Services revised submission: November 8th, 2021
    - MVF RFP revised submission: November 8, 2021
    - AMP & EMP revised submissions: November 8th, 2021
    - PSUM revised submission: December 7, 2022
  - RFPs: None

- **Agenda Items for the Next Meeting:**
- Updates on AMP/EMP, IMM and PSUM, Precise Semantics of Time RFP, MVF submissions
- Updates on SysML V2
- SysML V2 semantic debt

Architecture-Driven Modernization PTF

ADM PTF

Artificial Intelligence PTF

AI

TC Meeting Date: 27 Sep 2021
Reporting Chair: Claude Baudoin
Group page (URL): omg.org/ai, omgwiki.org/ai
Group email: ai@omg.org

Artificial Intelligence Platform Task Force

- **Highlights from this Meeting**

  – "Responsible AI: Emerging Open Source Frameworks for AI Fairness" (Sridhar Iyengar, IBM)

    - Related to the *responsible.computing()* initiative promoted by IBM

  – IEEE AI Standards Council – Project Authorization Request on "AI Vocabulary and Data Formats" (Chuck Easttom and Richard Tong)

    - We're playing influencer role as it overlaps with our AI PTF scope/mission

  – "Draft EU Regulation on AI – Perspective of the Federation of German Industries (BDI)" (Oliver Klein, BDI)

    - Risk classification of AI applications, leading to prohibitions and certification and labeling requirements

  – Co-chairs reviewed list of potential deliverables and schedule in an additional session (which no one else attended…)

TC Meeting Date: 27 Sep 2021
Reporting Chair: Claude Baudoin
Group page (URL): omg.org/ai, omgwiki.org/ai
Group email: ai@omg.org

Artificial Intelligence Platform Task Force

- **Deliverables since the last Meeting**
  - No RFIs, RFCs or RFPs yet
  - One report and two presentations:

Number	Title	Author
ai/21-09-01	Notes from the Q2 2021 AI PTF Meeting	Claude Baudoin
ai/21-09-02	Responsible AI: Emerging Open Source Frameworks for AI Fairness	Sridhar Iyengar
ai/21-09-03	Draft EU Regulation on AI -- Perspective of the Federation of German Industries (BDI) [slides]	Oliver Klein
ai/21-09-04	Draft EU Regulation on AI -- Perspective of the Federation of German Industries (BDI) [video]	Oliver Klein

Pending editing

TC Meeting Date: 27 Sep 2021
Reporting Chair: Claude Baudoin
Group page (URL): omg.org/ai, omgwiki.org/ai
Group email: ai@omg.org

Artificial Intelligence Platform Task Force

- **Future Deliverables – mostly unchanged**

  - AI Taxonomy or Ontology

  - Analysis of NIST RFI responses

  - RFI with more precise questions and more international appeal than NIST's

  - Very tentative:

    - RFP on a Claims-Argument-Evidence model for AI (e.g., absence of bias)

    - RFI on representing AI components in SysML

    - RFI on the need for a standard model and language for image labeling

- **Liaisons:** none now, but considering the IEEE AI Standards Committee

- **Agenda Items for the Next Meeting**

  - December 8, full day if we're in person or hybrid

  - Invite some prospective speakers to continue informing our roadmap

  - Four (?) interim 90-minute remote working sessions in October and November

Middleware & Related Services PTF

MARS

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MARS – Middleware And Related Services

- **Highlights from this Meeting:**
  - IDL4 to Python RFP: reviewed final draft of RFP
    - Recommended issuance
  - DDS C# API Revised Submission: received status update
    - Extended to Reston (March 2022)
  - CWG Non-fungible Tokens and Cyber Insurance DP: reviewed
    - Recommended for publication
  - DDS Service-based Discovery: continued discussion regarding need
    - Agreed technology needed and to continue RFP preparation
  - UML Profile for Rosetta (UPR): introduced proposal to evolve UPR
    - Add logical constraints via alignment with SysML 2.0 KerML/Predicates
    - Plan to prepare a new RFP -- to be issued from ADTF
  - Open Civic Architecture Framework (OCAF): received detailed introduction

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- Highlights from this Meeting (continued)
  - Joint with Block Chain PSIG
    - Smart Contracts RFI: reviewed next draft, targeting issuance in December 2021
    - Disposable Self-sovereign Identities (SSID) RFI: reviewed latest responses
      - Declared the RFI closed
      - Next step: prepare RFP to standardize expression of context and its communication & consumption as a DSSID; issue from MARS or some other TF?
    - IOTA Protocol RFC: reported current state
      - RFC may be ready by March or June 2022
    - Linked Encrypted Transaction Streams (LETS) RFP: reviewed status of initial submission
      - Extended initial and revised submission deadlines: December 2021 and March 2022
    - Distributed Immutable Data Objects (DIDO) RA: reviewed future plans
      - Version 4.0 being prepared, targeting release in December 2021
      - Reworks data concepts from perspective of taxonomies, privacy, data state, etc.

- Highlights from this Meeting (continued)
  - FACE Interop, IDL and IEF WGs met
    - FACE Interoperability WG:
      - Continue to meet jointly with counterparts in FACE Consortium
        » MOU for joint OMG/FACE Interop WG still pending legal review by FACE Consortium
        » No impact on joint WG meetings; just exercise care vis-à-vis information sharing
      - Established 3 breakout WGs with co-chairs for each: DDS, CORBA, IDL4
        » To meet frequently in between quarterly TC meeting weeks
    - IDL WG:
      - Focused on IDL4 to C++ language mapping submission
    - IEF WG:
      - Reviewed application of IEF to support Zero Trust Environments
      - Initiated exploration of how IEF can support OCAF (OCS DSIG)

Standards Development Organization.

- Deliverables from this Meeting:
  - Technology Adoption Recommendation(s): none
  - RFP/RFI/RFC Recommendation(s):
    - IDL4 to Python Language Mapping RFP
  - TF Documents Issued
    - Cloud WG Non-Fungible Tokens and Cyber Insurance DP
- Future Deliverables (In-Process):
  - Technology Adoptions
    - DDS C# API: revised submission, Feb 21, 2022
    - DDS-TSN: revised submission, Nov 8, 2021
    - TCP/IP PSM for DDS Interoperability: revised submission, Feb 21, 2022
    - IDL4 to C++ Mapping: revised submission, Nov 8, 2021
    - Linked Encrypted Transaction Streams (LETS): initial submission, Nov 8th, 2021

- Future Deliverables (In-Process) continued:
  - RFP/RFI/RFC Recommendations to Issue
    - DDS Service-based Discovery RFP: issue 2021 Q4
    - Smart Contracts RFI: issue 2021 Q4
    - IOTA Protocol RFC: issue 2022 Q2?
  - TF Documents
    - Cloud WG Discussion Paper:
      - Practical Guide to Cloud Data Governance: publish in 2022 Q1
      - Cloud Service Agreement Template: publish in 2022 Q1
      - Everything as a Service: A Guide to XaaS: publish in 2022 Q2
      - Practical Guide to Cloud Computing, version 4: 2022 Q3
- Liaisons
  - FACE Consortium (MOU in process)

- Agenda Items for the Next Meeting:
  - Review initial submission: Linked Encrypted Transaction Streams
  - Review revised submission: DDS C# API
  - Review latest draft RFP: DDS Service-based Discovery
  - Joint with BC PSIG:
    - Linked Encrypted Transaction Streams RFP: review initial submission
    - Disposable Self-sovereign Identities (SSID) (exact title TBD) RFP: review latest draft (TBD)
    - Smart Contracts RFI: review for issuance
    - DIDO RA V4 DP: review for publication
  - Continue collaboration with BC PSIG, Cloud Working Group, FACE Consortium
  - MARS WGs to meet: IDL, IEF, FACE Interop, SNC?

System Assurance PTF

Sys-A

Agent PSIG

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Agent PSIG

- **Highlights from this Meeting:**

  - **Agent PSIG Introduction** - presented by Zack Hashemi

    - AMP RFP overview, benefits of KerML/SysML v2 to agent-base system

  - **Agent and Event Metamodel An Update** - presented by Manfred Koethe

    - Update on progress of the Agent & Event Metamodel (AgEnt) revised submission

    - Added new feature: Allen's Temporal Logic to the AgEnt Planning Model

  - **Automated Analysis Correlation (ACC) Overview** - presented by Mary Armijo

    - Presented technical overview of the ACC – an intelligent multi-agent system

    - Volunteered to contribute to the AgEnt standard by supplying two implementation examples

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- **Deliverables from this Meeting:**
  - None

- **Future Deliverables (In-Process):**
  - Agent & Event Metamodel (AgEnt) revise submission for the Agent Metamodel and Profile (AMP) RFP and Event Model and Profile (EMP) RFP– scheduled for submission on Nov 8th , 2021

- **Liaisons**
  - None

- **Agenda Items for the Next Meeting:**
  - Discuss the submitted approach for the Agent & Event (AgEnt) Metamodel standard
  - Review the two implementation examples (PSMs) of the submitted AgEnt standard

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Blockchain PSIG

BC-PSIG

TC Meeting Date: Sept 2021
Reporting Chair: Mike Bennett
Group page (URL): www.omgwiki.org/BC-PSIG/
Group email: bc-psig@omg.org

Blockchain PSIG

- ## Highlights from this Meeting:
  - with MARS PTF
    - Smart Contracts RFI Draft review
    - Disposable Self-sovereign Identity RFI review all responses
    - IOTA Protocol RFC plans update
    - LETS RFP – status update
    - DIDO update
  - Main BC-PSIG session: with Finance DTF
    - Election of new Blockchain PSIG Co-chair (Ian Stavros)
    - Smart Contracts RFI editing; decided to hold off to Q4 for issuance
    - FIGI Update (FDTF)
    - Disposable SSI responses review and discussion
    - Money and Currency Semantics (presented by FDTF)

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- **Deliverables from this Meeting:**
  - None
- **Future Deliverables**
  - IOTA Protocol RFC
  - Smart Contracts RFI (Dec)
  - Longer Term
    - D-SSI Potential RFPs
    - Smart contracts RFP(s)
    - Other RFIs, likely followed by RFPs: Oracles, Token, Exchange / Wallet …
- **Liaisons**
  - Internal: MARS PTF and Finance DTF; WGs: CBDC; VCOI
  - External: TangleEE WG (with IOTA, Eclipse Foundation and others); IEEE
  - Informal: AIA Aerospace and Defense Distributed Ledger Technology Consortium
- **Agenda Items for the Next Meeting:**
  - IOTA Protocol update and plans (at MARS)
  - Linked Encrypted Transaction Streams (LETS) RFP response(s) review
  - Smart Contracts RFI
  - Draft potential RFP: Disposable Self-sovereign ID / Context formalization

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Vocabularies for Communities of Interest WG

- **Concepts analysis:**
  - **Finance:** Money and currency concepts and definitions
  - **Blockchain PSIG:** Fundamentals of DLT
- **Concepts v Words**
  - Semantic v Speech Communities (ISO 1087)
  - Linked by **Context**
  - What is Context? – formal treatment
- **Standards and Tooling**
  - SKOS, MVF, SBVR, RDF, OWL etc. exist
  - But how to use / extend for formal Context treatment
- **Collaborate across TCs (TF, SIG etc.)**
  - Sharing and reuse both of:
    - Concept articulation
    - Terms, acronyms, references
- **Participate!**
  - Would like to extend invitation to all interested TCs to build out our MVP

Data Distribution PSIG

DDS

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Highlights from this meeting

- Reviewed feedback document to the NGVA on their DDS/IDL data model

- Discussion on the trade-offs of relying on various DDS-XTYPES features for the TMS data model and how to determine vendor support for those

- Discussion on organising a Hackathon focused on DDS Interoperability, ideally to coincide with the March 2022 meeting

- Issuance (by mars) of IDL-Python RFP

Plans for next meeting

- Presentations on approaches to service-based DDS discovery by various DDS vendors

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Methods & Tools User

Methods & Related Tools PSIG

Ontology PSIG

Ontology PSIG

- **Highlights from this Meeting:**

  – Presentation: Ontology-Driven Augmented Reality, Tony Hodgson (Ethar, Inc.) – ontology/2021-09-01

  – Presentation and Discussion: Multiple Vocabulary Facility (MVF) Architecture and Reusable Library of Ontologies, Elisa Kendall (Thematix Partners) and Pete Rivett (agnos.ai)

  – Presentation and Discussion: Ontology Visualization, Pete Rivett (agnos.ai)

- **Deliverables from this Meeting:**
  - **none**
- **Future Deliverables (In-Process):**
  - Multiple Vocabulary Facility (MVF) revised submission (December 2021)
  - Languages, Countries, and Codes (LCC) 1.2 RTF report (December 2021)
  - RFC for the Specification Metadata Ontology, UML Profile, and IDL Template (December 2021 or March 2022)
  - ODM 2.0 RFC (December 2021 or March 2022)
  - DOL 1.1 RTF report (December 2022)
- **Liaisons**
  - **none**
- **Agenda Items for the Next Meeting:**
  - Report on requirements for OMG ontology specifications (with generated content in LaTeX
  - Metrics for ontology characteristics to provide for OMG ontology artifacts
  - Discussion of a possible maturity index for ontology
  - Presentations for deliverables in Analysis & Design

Charters

Thank you!!!

We appreciate your patience and persistence throughout this week.

See you at the planned in-person Q4 Meeting:

December 6-10, 2021 - OMG Technical Meeting - Long Beach, CA USA