OMG Domain Technology Committee
Friday, October 1st, 2021
Virtual September 2021 meeting minutes
OMG document dtc/21-09-01

Attendance:

Name	Company
Jason McC. Smith	OMG
Terrance Milligan	OMG
Harriet Costa	OMG/IIC
Denise Wahl	OMG
Juergen Boldt	OMG
Diane Ehramjian	OMG
Steve MacLaird	OMG
Chris Corso	OMG
Meg Duncan	OMG
Manfred Koethe	88solutions (P)
Koji Kamei	JARA (D)
Matthew Howlett	Rolls-Royce (I)
Rajan Kapadia	US Department of Navy (G)
Bob Martin	MITRE (*)
Roger Burkhart	Thematix Partners, LLC (P)
Luis Rodriguez	Amergint Technologies (I)
Ian Stavros	Jackrabbit Consulting (*)
Takashi Yoshimi	Shibaura Institute of Technology (U)
Louis Eyermann	US Department of Navy (G)
Curran Meek	US Department of Navy (G)
William Beavin	Boeing (P)
Charles Dickerson	Loughborough University (U)
Simon Mettrick	BAE Systems (D)
Ryan Nochuchi	The Aerospace Corporation (I)
Bobbin Teegarden	OntoAge (*)
Heather Crondahl	Open Civic Foundation (*)
Jim Logan	Dassault Systemes (P)
Daniel Brookshier	Dassault Systemes (P)
Adam Kolodny	Elbit Systems of America (I)
Conrad Bock	NIST (G)
Zack Hashemi	nContext (*)
Mike Bennett	EDM Council (D)/IOTA Foundation (*)
Richard Beatch	Bloomberg LP (D)
J.D. Baker	Sparx Systems (*)
Matteo Vescovi	Micro Focus (P)
John Draga	Micro Focus (P)

Uwe Kaufmann   GfSE, e.V. (*)
John Glaubitz   VERTEX, Inc. (R)
Adam Mitz   Object Computing, Inc. – OCI (I)
Ben Calloni   Objective Interface Systems/KDM Analytics (P)
Claude Baudoin   cebe IT & KM
Andy Mattice   Lexmark (R)
Sarah Douglass   MITRE (*)
Char Wales   Jackrabbit Consulting (*)
Elisa Kendall   Thematix Partners, LLC (P)
Sanford Friedenthal   INCOSE (*)

Comment: Contributing (*) and Domain (D) have voting rights in the DTC, one vote per organization
(P) Platform no voting rights
(U) University no voting right
(I) Influencing no voting right
(G) Government no voting right
(T) Trial no voting right
(NM) non-member, no voting rights
(R) Retail, no voting rights

Dr. Jason Smith, OMG's Vice President and Technical Director, determined if the DTC was quorate. Quorum was 8; there were 10 plus eligible DTC voters present. The DTC was called to order at 08:53 a.m. EDT

First order of business was approval of the June 2021 DTC virtual meeting minutes (dtc/2021-06-11).
J.D. Baker (Sparx Systems) moved to approve the minutes.
Char Wales (Jackrabbit Consulting)) seconded the motion.
Richard Beatch (Bloomberg LP) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

Next order of business was **SUBGROUP REPORTS**

Claude Baudoin (cebe IT & KM) reported *on the activities of the Business Modeling and Integration Domain Task Force* **(BMI 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

- 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)

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

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

Sarah Douglass (MITRE) reported on the activities of the *C4I Domain Task Force:*

Highlights from this Meeting:
- Review of the Tactical Decision Aids Final Submission
  - Requesting an 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

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

Kamei-san (JARA) reported on the activities of the ***Robotics Domain Task Force*:**

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*

Luis Rodriguez (Amergint Technologies) reported on the activities of *the Space Domain Task Force:*

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 Brookshire.
- 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.

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

John Glaubitz (VERTEX, Inc.) reported on the activities of *the Retail Domain Task Force*:

- 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 DTF Day 1 Meeting Minutes
- UnifiedPOS 1.16.1 RTF Charter
- 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)

Heather Crondahl (Open Civic Foundation) reported on the activities of the ***Open Civic Standards Domain Special Interest Group:***

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.

Liaisons
- Collaboration with Open Civic Foundation
- Ongoing Liaison with the Global Cities Teams Challenge

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.
- There was some discussion regarding NIEM and its relevance to OCF and the UML Profile for NIEM.

Sandy Friedenthal (INCOSE) reported on the activities of the *Systems Engineering Domain Special Interest Group:*

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

The next order of business was the initiation of the TECHNOLOGY RECOMMENDATION polls:

Before the DTC on 1st October 2021 was the below submission and a poll was held for the same:

CubeSat System Reference Model (CSRM) submission   space/21-08-01

Inventory	space/21-09-02
mdzip file	space/21-09-08
XMI file	space/21-09-07
CSRM-Errata.docx	space/21-09-01
CubeSat System Reference Model (CSRM) submission	
(convenience document with errata space/21-09-01 applied)	space/21-09-09

Jason Smith explained that the vote on this technology recommendation will be carried out by email. However, any DTC voting representative here today whose company wishes to vote "Yes" to all the adoptions can pre-register that vote now, and OMG staff will email confirmation of that vote to the registered voter after the meeting. If any member wishes to do anything other than vote "Yes" to all, or subsequently wishes to change its mind about voting "Yes to all", please wait for the voting form to arrive by email and use it to vote appropriately.

Those who pre-registered a vote IN FAVOUR OF RECOMMENDING ADOPTION of the above submission:
- GfSE, e.V., INCOSE, IOTA Foundation, Jackrabbit Consulting, MITRE, OntoAge, Sparx Systems Pty Ltd, cebe IT & KM, Bloomberg, LP, EDM Council,

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

Uwe Kaufmann (GfSE, e.V.) made the composite motion:
- To extend the C2MS 1.1 RTF revision deadline to December 17, 2021
- To extend the ALMAS 1.2 RTF revision deadline to April 1, 2022
- To extend the C2INav 1.1 RTF revision deadline to April 1, 2022
- To extend the UnifiedPOS 1.15.1 RTF revision deadline to April 1, 2022
- To extend the SysPhS 1.2 RTF revision deadline to September 22, 2022

Richard Beatch (Bloomberg LP) seconded the motion.
Daniel Brookshier (Dassault Systemes) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

J.D. Baker (Sparx Systems) made the composite motion:
- To extend the UnifiedPOS Fiscal API 2.0 RFP revised submission deadline to February 21, 2022
- To extend the Digital Receipt API 1.0 RFP revised submission deadline to February 21, 2022
- To extend the UnifiedPOS v2 Model and POS Printer API RFP revised submission deadline to February 21, 2022

Richard Beatch (Bloomberg LP) seconded the motion.
Daniel Brookshier (Dassault Systemes) proposed White Ballot.

There was no objection to White Ballot.
Motion carried.

J.D. Baker (Sparx Systems) moved to charter the CSRM 1.0 FTF with the following dates and membership:

CSRM 1.0 FTF

Contact: csrm-ftf@omg.org

TF Chairs: Mr. Daniel Brookshier

IPR Mode: Non-Assert

Public List of Issues: CSRM

Members List of Issues: CSRM

Schedule

Event	Date	Notes
Base Document(s)		*Relevant documents:* space/21-09-01 (CSRM errata) space/21-08-01 (CubeSat System Reference Model (CSRM) specification)
Voting List Deadline	October 1, 2021	
Beta 1 Specification Publication	October 31, 2021	
FTF Comments Due	June 6, 2022	
FTF Report Due Date	August 15, 2022	
FTF Report Due Date	September 23, 2022	
FTF Recommendation and Report Deadline	September 23, 2022	

VOTING LIST:

Company	Notes
Braxton Technologies, LLC	*Mr. Charles Gerry Simon*
Dassault Systemes	*Mr. Daniel Brookshier*
INCOSE	*Dr. David Kaslow*
NASA	*Mr. Kevin Rice*
Sparx Systems	*Mr. James D. Baker*
The Aerospace Corporation	*Mr. Ryan Noguchi*

Daniel Brookshier (Dassault Systemes) seconded the motion.
Bobbin Teegarden (OntoAge) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

J.D. Baker (Sparx Systems) moved to charter the UPOS 1.16.1 RTF with the following dates and membership:

UNIFIEDPOS 1.16.1 RTF

Contact: retail-up116-rtf@omg.org

TF Chairs: Mr. Tadashi Furuhata

IPR Mode: RAND

Public List of Issues: UPOS1161

Members List of Issues: UPOS1161

Schedule

Event	Date	Notes
Base Document(s)		*Relevant documents:* dtc/20-12-01 (UPOS 1.16 clean convenience document) dtc/20-04-02 (UPOS RCSD, v1.16 FTF Beta 1 document)
Voting List Deadline	October 1, 2021	
RTF Public Comment Deadline	January 10, 2022	
RTF Report Due Date	May 23, 2022	
RTF Revision Deadline	July 1, 2022	
RTF Revision Deadline 2	November 30, 2022	

VOTING LIST:

Company	Notes
Aptos	*Mr. Leonid Rubakhin*
Diebold Nixdorf Global Solutions B.V.	*Mr. Denis Kuniss*
GS1 US	*Ms. Vivian Chung Underwood*
Lexmark International, Inc.	*Mr. Andy Mattice*
Microsoft Corporation	*Mr. Tadashi Furuhata*
VERTEX, Inc.	*Mr. John Glaubitz*

VINX Corp.	*Mr. Toyohiro Yasumoto*

Char Wales (Jackrabbit Consulting) seconded the motion.
Richard Beatch (Bloomberg LP) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

J.D. Baker (Sparx Systems) moved to charter the OARIS 2.0 FTF2 with the following dates and membership:

OPEN ARCHITECTURE RADAR INTERFACE STANDARD (OARIS) 2.0 FTF2

Contact: oaris-ftf@omg.org

TF Chairs: Mr. Simon Mettrick

IPR Mode: RAND

List of Issues: oaris-ftf

Schedule

Event	Date	Notes
Beta 1 Specification Publication		*Relevant documents:* dtc/21-01-01 (OARIS V 2.0 Additional Sensors) Beta 1 document)
Base document(s)		
Voting List Deadline	October 1, 2021	
FTF Comments Due	March 31, 2022	
FTF Report Due Date	May 23, 2022	
FTF Recommendation and Report Deadline	July 1, 2022	

VOTING LIST:

Company	Notes
BAE SYSTEMS	*Mr. Simon Mettrick*
Micro Focus International Plc	*Mr. John Draga*
Naval Surface Warfare Center	*Mr. Charles Fudge*
Real-Time Innovations	*Dr. Gerardo Pardo-Castellote, Ph.D.*
SimVentions	*Mr. Matthew Wilson*

THALES   *Mr. Richard Bartual*

Char Wales (Jackrabbit Consulting) seconded the motion.
Richard Beatch (Bloomberg LP) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

There being no further business brought before the DTC, it was adjourned at 10:19 A.M.