

OMG Domain Technology Committee
Friday, June 18th, 2021
Virtual June 2021 meeting minutes
OMG document dtc/21-06-11

Attendance:

Name	Company
Jason McC. Smith	OMG
Terrance Milligan	OMG
Cheryl Rocheleau	OMG/IIC
Juergen Boldt	OMG
Diane Ehramjian	OMG
Mike Narducci	OMG
Bobbin Teegarden	OntoAge (*)
Lars Toomre	BRC FinTech Corporation (I)
Peter Denno	NIST (G)
Mike Abramson	ASMG (P)
Jeffrey Carter	Mercury Systems (P)
Heather Crondahl	Open Civic Foundation (*)
Bob Martin	MITRE (*)
Pete Rivett	agnos.ai UK Ltd (D)
Mark Hogue	Department of Navy (G)
Koji Kamei	JARA (D)
Jim Logan	Dassault Systemes (P)
Daniel Brookshier	Dassault Systemes (P)
Adam Kolodny	Elbit Systems of America (I)
Kyle Post	Ford Motor Company (P)
Julio Medina	University of Cantabria (U)
Takashi Yoshimi	Shibaura Institute of Technology
Conrad Bock	NIST (G)
Ed Seidewitz	Model Driven Solutions (*)
Fernando Garcia	Real-Time Innovations (*)
Zack Hashemi	nContext (*)
Brad Kizzort,	OS/COMET Product Group (D)
Robert Stavros	Jackrabbit Consulting (*)
Mike Bennett	EDM Council (D)/IOTA Foundation (*)
Richard Beach	Bloomberg LP (D)
Daniel Herring	MIT/Lincoln Laboratory (U)
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)

John Butler	Auxilium Technology Group (D)
Ben Calloni	Objective Interface Systems/KDM Analytics (P)
Claude Baudoin	cebe IT & KM
Andy Mattice	Lexmark (R)
Sarah Douglass	MITRE (*)
Char Wales	Jackrabbit Consulting (*)
Lars Toomre	BRC FinTech Corporation (I)
Preston Lee	Logica Health (NM)
Elisa Kendall	Thematrix Partners, LLC (P)
Sanford Friedenthal	INCOSE (*)
Fred Cummins	Agile Enterprise Design (D)
Call-in User_38:44 AM	9:55 AM 71 mins
Call-in User_59:56 AM	10:26 AM 31 mins
Call-in User_811:29 AM	12:30 PM 62 mins

Comment: Contributing (*) and Platform (P) have voting rights in the PTC, one vote per organization

(D) Domain no voting right

(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 13 plus eligible DTC voters present. The DTC was called to order at 11:15 a.m. EDT

First order of business was approval of the March 2021 DTC virtual meeting minutes (dtc/2021-03-01).

Char Wales (Jackrabbit Consulting) moved to approve the minutes.

Richard Beatch (Bloomberg LP) seconded the motion.

Bobbin Teegarden (OntoAge) 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 *Business Modeling and Integration Domain Task Force (BMI DTF) activities:*

Highlights from this Meeting

- Reviewed status of BACM (Business Architecture Core Metamodel) – Jim Rhyne
 - Moved revised submission date to 8 Nov 2021
- Reviewed submission of PPMN (Provenance & Pedigree Model & Notation) – John Butler
 - Moved revised submission date to 30 Aug 2021
- Reviewed status of the joint submissions being prepared in response to the BPM+
- RFPs issued in March – Steve White
 - BPM+ Knowledge Package Model and Notation (BKPMN)
 - Shared Data Model and Notation (SDMN)
- Informed the Task Force members of the discussions with the Open Civic Foundation
- Discussed the various ways to achieve more harmonization between BPMN, CMMN, and DMN, and eventually with the rest of the BPM+ family – led by Steve White

Deliverables created since the end of the previous meeting

- bmi/21-05-01 Revised BACM submission presentation - superseded by bmi/21-06-06
- bmi/21-06-01 SDMN presentation
- bmi/21-06-02 BKPMN presentation
- bmi/21-06-03 Revised PPMN submission
- bmi/21-06-04 Notes from 2021Q1 meeting
- bmi/21-06-05 BACM Update Presentation
- bmi/21-06-06 PPMN Update Presentation

Future Deliverables (In process):

- BACM revised submission (Q4)
- PPMN revised submission (Q3)
- BKPMN initial submission (Q3)
- SDMN initial submission (Q3)
- SBRM initial submission (Q3)
- 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, September 27 (at least)
- Update on the BACM revised submission (due for Q4 meeting)
- PPMN revised submission
- SDMN initial submission
- BKPMN initial submission
- SBRM (Standard Business Report Model) revised submission
- Discussion of BPM+ strategy and specification harmonization roadmap
 - Draft an RFI? Breakout session (Thursday?) if meeting is in person.
- Requirements Discussion Paper

Sarah Douglass of MITRE provided an update on the activities of the *C4I Domain Task Force*:

Highlights from this Meeting:

- Open Discussion about the need for DevSecOps Standards
 - C4I Focus on Military Systems Development
 - Many Stakeholders (TFs, WGs, and SIGs) need to engage with us – see the C4I Minutes for the areas of interest
- Presentation on the Status of Tactical Decision Aids Specification and Notification of a request to extend

Deliverables from this Meeting:

- C4I-21-06-01 –DevSecOps Presentation ASMG
- C4I-21-06-02 - Tactical Decision Aids Status Presentation
- C4I-21-06-03 –Tactical Decision Aids Draft Specification
- C4I-21-06-04 –C4I DTF Minutes

Mike Bennett (EDM Council) reported on the activities of the *Finance Domain Task Force*:

Highlights from this Meeting:

- Digital Currency RFI
 - Research: Concepts, Vocabulary, knowledge resource (use VCoI concepts)
 - Identified potential of a more general ‘conceptology’ of money, crypto etc. drawing on FIBO and established ontology research (Bolzano etc.)
 - RFI Structure (background knowledge, questions)
 - Potential responders
- FIBO Update
 - Brief textual update on latest FIBO content changes
 - See Ontology PSIG for formal specification ideas

Deliverables from this Meeting:

- finance/2021-06-01 Digital Currency RFI (Draft)

Future Deliverables (In-Process):

- FIBO v2.1 RFC (expected in 2021)
- Digital Currency RFI (Sept 2021)

Liaisons

- Internal (informal)
 - Blockchain PSIG, MARS PTF, Gov DTF, AI PTF
 - WGs: CBDC, VCOI
- External
 - ISO TC68 (Financial Services) liaison
 - EDM Council (reciprocal membership arrangement)
 - Informal: ACTUS, GLEIF, XBRL, BIAN etc.

Agenda Items for the Next Meeting:

- Digital Currency RFI issuance
- Liaise with GovDTF (ESG, regulatory etc.)
- FDTF now meets weekly during the Quarter
 - Alternate weeks: Digital currency RFI
 - Alternate weeks: General / ontology of money / other

Lars Toomre (BRC FinTech Corporation) reported on the activities of the *Government Information Sharing and Services Domain Task Force*:

Reports from Various Govt. Communities of Interest

- Statistics (“STATS WG”)
- Government Blockchain Association (“GBA”)
- DIDO for Government Records
- Vocabularies for Communities of Interest (“VCoI WG”)
- Open Civic Standards DSIG (More later this AM)
- ANSI X9F Presentation

Focal Themes for 3Q 2021

- Preliminary 3Q TC Agenda already set
- Build Communities of Interest (WGs)
- Increase international participation
- Regular Community Calls (all Eastern Times):
 - VCOI WG – Mondays at 5:00 PM
 - CBDC WG – Tuesdays at 1:00 PM
 - Government DTF – Wednesdays at 2:00 PM
 - Statistics WG – Thursdays at 11:00 AM
 - ESG WG – Thursdays at Noon Eastern
 - Secure and Trust-Worthy Elections WG – TBD

3Q 2021 Government Activities

- Discussion in Open Civics Standards (“OCS DSIG”) – Parties and Entities
- Boston Fed / MIT Central Bank Digital Currency working paper
- OMG CBDC WG to begin developing a “standards” response
- Address GBA interests in “Digital Identity” and “Digital Wallet” MIT Chief Data Officer / IQ symposium – July 21st at 3:30 PM EDT
- GBA Standards Discussion Event – August 5th at 11 AM EDT
- Jackson Hole Federal Reserve Symposium – August 27th
- Loads of ESG events, particularly around Sustainability and Zero Carbon
- GBA Week 2021 – State / Local Government – September 27th

Liaisons with Government DTF

- Government Blockchain Association
- Open Civics Standards DSIG

- NIEM Community / Statistical Canada
- ISO TC68 TAG1 (technical group re: “RegTech”)
- MIT Digital Currency Initiative / Boston Federal Reserve
- Data Coalition
- ANSI X9 RegTech / Digital Payments

Documents

- Gov/2021-06-01 – Government DTF Meeting Workbook
- Gov/2021-06-02 – Summary of Government DTF Meeting
- Gov/2021-06-03 – Statistics WG Overview
- Gov/2021-06-04 – GBA / OMG Update
- Gov/2021-06-05 – DID Government DTF
- Gov/2021-06-06 – Open Civic Standards
- Gov/2021-06-07 – ANSI X9F Presentation

The issue was raised that the work/topics covered in the Task Force appeared to be U.S. - centric and the question was raised if the TF work should be more international.

Mr. Toomre also noted that there was lots of work going on already in the area of parties and entities.

Uwe Kaufmann (GfSE e.V.) reported on the activities of the *Manufacturing Technology and Industrial Systems (MANTIS) Domain Task Force*:

Highlights / presentations from this Meeting:

- GfSE activities update on SpecIF and MoTIF (Uwe Kaufmann, GfSE)
<http://doc.omg.org/mantis/2021-06-01>
- SpecIF (Specification Integration Facility):
 - Simply: extension of ReqIF (Requirements Interchange Format) to also include and link
 - models (e.g. SysML)
 - SpecIF not limited to a File Format but will also support Linked Data concepts like OSLC
 - SpecIF v1.1 release ahead, planned for end of June 2021
 - See also: <https://specif.de> and <https://github.com/GfSE>
- MoTIF (Model Transformation and Integration Facility):
 - No progress since March '21
 - TBD: Elaboration of a draft RFP
- Universal Safety Format (USF) – ideas from SAFE4i project for a RFP/RFC (Bertil Muth, HOOD GmbH; Alexander Viehl, FZI)
<http://doc.omg.org/mantis/2021-06-02>
 - Will define the USF as a language and a transformation (UTF)
 - Objective: automatic code generation to enhance safety critical software
 - Relationship to RAAML (Risc Analysis and Assessment Modeling Language) identified

- Discussion of Product Knowledge Framework (PKF) RFI:
 - Further response received from MONDRAGON University, will be present and discussed in September meeting <http://doc.omg.org/mantis/2021-03-01>
 - Further contemplated on an Upper Ontology for PKF that would align with OMG's MOF
 - Extended response deadline to Sep. 2022
 - Next:
 - Review IIC Whitepaper “Characteristics of IIoT Information Models” and possibly reach out to the author(s)

Deliverables from this Meeting:

- Technology Adoption Recommendation(s)
 - N/A
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s)
 - N/A

Future Deliverables (In-Process):

- Technology Adoptions
 - N/A
- RFP/RFI Recommended or Other Recommendations
 - Model Transformation & Integration Facility - MoTIF RFP

Liaisons

- ISO TC 184 SC4 (aka STEP)

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

- September 2021
 - USF + UTL progress report (Bertil Muth, Alexander Viehl)
 - System Assurance presentation (Ben Calloni, SysA CoChair)
 - MoTIF – Model Transformation & Integration Facility RFP / RFC
 - Product Knowledge Framework (PKF) RFI progress
 - Reach out to IIC Whitepaper on IIOT Information models
 - MODDALS – Univ. of Mondragon response to PKF RFI
 - Reach-out to related groups: INCOSE DEIXWG, prostep ivip SysML Workflow Forum and
 - Implementer Forum, etc.
- March 2021 (moved from Dec.)
- OMG Information Day - “How Modern PLM Systems Interact in Enterprise IT Environments” (Sponsored by CONTACT Software)
- Postponed to next F2F OMG Meeting

Long term plans / reach out:

- Themes of interest to discuss in ManTIS:
 - digital master / digital twin – update from DT consortium?
 - Chairs Webcon planned with Digital Twin Consortium's Manufacturing WG

- Updates from ISO TC 184 SC4 (STEP community)
- Logistics Modeling RFP / RFC

Andy Mattice (Lexmark) reported on the activities of *the Retail Domain Task Force*:

Highlights from this Meeting:

- GS1-US represented by Vivian Underwood, Amber Walls and Jennie Stitzinger led discussion
- about the “POS Test Kit” retailers will use to review systems in preparation for the move Beyond
- the U.P.C.
- John Glaubitz (Vertex) has taken the Retail Industry Ontology (RIO) from starting gate to the home stretch. Although the first round is not released, the ontology is already proving to be incredibly valuable in supporting our efforts. John also presented RIO in the Ontology PSIG meeting.
- Jeff Hudson and Beth Buresh (The Coupon Bureau) provided timely insight into the subject of
- coupons in retail which has strong impact on our upcoming Digital Receipt and Fiscal API specs,
- starting with the RIO ontology.
- Furuhashi Tadashi (Microsoft) and Toyohiro Yasumoto (VINX) liaisons with OPOS-J in Japan
- continue making progress with Digital Receipt.
- Roland Zalisevskij (Service Plus IT) continues to move ahead with Fiscal API. We have found an opportunity for Fiscal API to bridge a gap in the B2B invoicing standards from OpenPEPPOL by providing consumer VAT visibility.
- Leonid Rubakhin (Aptos) along with Denis Kuniss (Diebold Nixdorf) and Axel Garcia (Toshiba)
- have a handle on structuring our API components into versioned modules, soon to be organized in GitHub.
- Deadlines for some work items fall upon the 2021-Q3 meeting. Some work expected to be done
- on time for the 1-month review deadline, some are expected to need extension.

Deliverables from this Meeting:

- OMG_RDTF POS Test Kit 06.15.2021.pdf
- Retail DTF API Versioning Discussion Notes
- Retail DTF Day 1 & 2 Meeting Notes
- Retail DTF Closing Plenary Report

Future Deliverables:

- Digital Receipt RFP
- UnifiedPOS v2 Fiscal API RFP

- Retail Industry Ontology (RIO) for Digital Receipt and Fiscal API
- UnifiedPOS v1.15.1 (Barcode updates)
- UnifiedPOS v1.16.1 (Barcode updates with RCSD)
- GS1-US “Beyond the U.P.C.” Use-Cases in UnifiedPOS

Liaisons

- OPOS-J
- GS1-US
- The Coupon Bureau
- OpenPEPPOL

Agenda Items for the Next Meeting (2021-Q3 Burlingame):

- RDTF Summary and Agenda Overview
- Retail Industry Ontology WG meeting
- UnifiedPOS WG meeting
- Draft of Digital Receipts payload specification
- Beyond the U.P.C. Use-Case Examples in UnifiedPOS (with GS1-US)
- Submission to resolve issues in UPOS v1.15.1
- Proposed submission for UPOS v1.16.1 with work from UPOS v1.15.1
- Retail IoT – Transactions and Events

Discussion ensued and the following topics were discussed and/or addressed:

- Send Liaison information to Richard Beatch of Bloomberg LP, co-chair of the Liaison SC
- YAML – use model-based approach, not YML. Consider open API definitions and YML and generate specification with JSON schema. You can look at the API4KP specification and how open API is used.
- I was mentioned that there is overlap between the PPMN submission out of the BMI DTF with Retail work. Andy Mattice will try to follow up on this.

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

Highlights from this Meeting:

9 participants online.

Contact report: ISO TC299/WG6 (Prof. Mizukawa)

Four presentations for RoSO in Robotic Functional Service WG, from USPN/UPEC, AIST, JARA and Shibaura-IT.

Roadmap confirmed for RoSO and RoIS 2.0.

Future Deliverables (In-Process):

RoSO Initial Submission in Q4/2021.

Liaisons

ISO TC299/WG6 (Makoto Mizukawa and Koji Kamei)

IEEE RAS (Abdelghani Chibani and Koji Kamei)

Agenda Items for the Next Meeting:

Next meeting at Burlingame (but to be online from France and Japan).

RoSO review and discussion for initial submission.

Robotic Service Ontology RFP Timetable

Event or Activity	Robotics/2021-03-03
<i>Letter of Intent (LOI) deadline</i>	<i>1 November 2021</i> (1-week before the initial submission)
<i>Initial Submission deadline</i>	<i>8 November 2021</i> (4-week before the Dec. mtg.)
<i>Voter registration closes</i>	<i>6 December 2021</i>
<i>Initial Submission presentations</i>	<i>6 December 2021</i>
<i>Revised Submission deadline</i>	<i>May 2022</i> (4-weeks before the June mtg.)
<i>Revised Submission presentations</i>	<i>June 2022</i>

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

Highlights from this Meeting:

- SysML v2 Update & Demo – S Friedenthal, E Seidewitz, M Bajaj
 - Language updates (interactions, stakeholder & concerns, teature paths & dot notation, enhanced individual modeling)
 - API updates (Updates to branching, OSLC PSM and pilot implementation, and conformance testing)
 - Revised submission for August, 2021
- Building a digital thread with SysML v2 - M Bajaj and Anya Sharma, Intercax
 - Digital thread is the connection between different kinds of models and data repositories across the lifecycle
 - Example: SysML v2 requirements and architecture, JIRA issues, HW Bill of Materials, SW components, SW build artifacts
 - Enables change impact assessment, synchronization, report generation
 - Syndeia captures digital thread as a graph
 - Manages inter-model links
- Integrated SE-ModSim for Advanced Driver Assist Systems - Chris Davey
 - Growing complexity of autonomous electric vehicles
 - Ensure safety, comfort, and predictability in a complex environment
 - MBSE integrated with Mod Sim and advanced visualization essential to manage complexity and provide agile response to new features
- Key Parameter Development & Management (KPD&M) – Rob Hendrickson
 - US Army Armament Center approach to systems engineering
 - Understand parameters that impact performance
 - Understand noise factors
 - Optimize design for robustness
 - Success and challenges with MBSE

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

Heather Crondahl of Open Civic Foundation presented the charter of the **Open Civic Standards Domain Special Interest Group** (OMG document number [dtc/2021-06-01](#)).

Heather Crondahl (Open Civic Foundation) moved to charter the Open Civic Standards Domain Special Interest Group (dtc/2021-06-01)

Claude Baudoin (cebe IT & KM) seconded the motion

Richard Beach (Bloomberg LP) proposed White Ballot

There was no objection to White Ballot.

Motion carried

Richard Beach (Bloomberg LP) made the composite motion:

- to extend the BMM 1.4 RTF revision deadline to 17 December, 2021
- to extend the DMN 1.4 RTF revision deadline to 17 December, 2021
- to extend the UPOS 1.15.1 RTF revision deadline to 17 December, 2021
- Motion to extend the XTCE 1.3 RTF revision deadline to 17 December, 2021
- Motion to extend the XUSP 1.1 RTF revision deadline to 17 December, 2021
- to extend the SBVR 1.6 RTF revision deadline to 1 April, 2022

Bobbin Teegarden (OntoAge) seconded the motion.
John Butler (Auxilium Technology Group) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

Richard Beach made the composite motion:

- to replace Sarah Douglass with Mary Tolbert as MITRE voter on the UAF 1.2 RTF
- to replace Uwe Kaufmann with Christian Lalitsch-Schneider as GfSE e.V. voter on the UAF 1.2 RTF

Uwe Kaufmann (GfSE, e.V.) seconded the motion.
J.D. Baker (Sparx Systems) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

J.D. Baker (Sparx Systems) moved to charter the SENSR 1.0 FTF2 with the following dates and membership:

SENSR 1.0 FTF2

Contact: sensr-fff@omg.org

TF Chairs: Mr. Peter Denno

IPR Mode: Non-Assert

List of Issues: [sensr-fff](#)

Schedule Event	Date	Notes
Base document(s)		<i>Relevant documents:</i> dtc/20-07-02 (SENSR 1.0 Beta 1 document) mantis/19-12-04 (XMI for SENSR 1.0)
Beta 1 Specification Publication	May 31, 2020	<i>Relevant documents:</i> dtc/20-07-02 (SENSR 1.0 Beta 1 document)
Voting List Deadline	June 18, 2021	
FTF Comments Due	September 30, 2021	
FTF Report Due Date	November 8, 2021	
FTF Recommendation and Report Deadline	December 17, 2021	

VOTING LIST:

Company	Notes
88solutions	<i>Mr. Manfred R. Koethe</i>
GfSE e.V.	<i>Mr. Uwe Kaufmann</i>
NIST	<i>Mr. Peter Denno</i>

Uwe Kaufmann (GfSE, e.V.) seconded the motion.
Richard Beach (Bloomberg LP) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.

Sarah Douglass (MITRE) moved to charter the FACE Profile for UAF 1.1 RTF with the following dates and membership:

FACE PROFILE FOR UAF (FACE) 1.1 RTF

Contact: *face-uaf-rtf@omg.org*

TF Chairs: *Ms. Sarah Douglass*

IPR Mode: *Non-Assert*

Public List of Issues: *FACE11*

Members List of Issues: *FACE11*

Schedule
Event

Notes

Schedule	Notes
Event	<i>Relevant documents:</i>
	dtc/21-06-10 (Ancillary Zip archive of profile-development models and supporting artifacts)
	dtc/21-06-09 (Ancillary Zip archive of the starting point ("Unified FACE/UML profile") artifacts)
Base document(s)	dtc/21-06-08 (Ancillary Zip archive of References for FACE Architectural Segment illustrations)
	dtc/21-06-07 (Face Profile for UAF Informative Machine-readable XMI profile file WITH Issue-tracking comments)
	dtc/21-06-06 (Normative FACE 1.0 XMI profile)
	dtc/21-06-05 (FACE Profile for UAF (FACE) 1.0 convenience document with change bars)
	dtc/21-06-04 (FACE Profile for UAF (FACE) 1.0 convenience

document clean)
dtc/21-06-03 (FACE Profile for UAF (FACE) 1.0 FTF report)
Voting List Deadline June 18, 2021
RTF Public Comment Deadline November 29, 2021
RTF Report Due Date May 23, 2022
RTF Revision Deadline July 1, 2022

VOTING LIST:

Company	Notes
BAE SYSTEMS	<i>Mr. Robert Sigillito</i>
Boeing	<i>Mr. William Beavin</i>
Dassault Systemes	<i>Mr. Daniel Brookshier</i>
Elbit Systems of America	<i>Mr. Adam Kolodny</i>
International Business Machines	<i>Mr. Eran Gery</i>
MITRE	<i>Ms. Sarah Douglass</i>
Mercury Systems	<i>Mr. Jeffrey Carter</i>
Naval Surface Warfare Center	<i><u>Mr. Charles Fudge</u></i>
SimVentions	<i>Mr. Matthew Wilson</i>
Sparx Systems	<i>Mr. James D. Baker</i>

J.D. Baker (Sparx Systems) 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 1:35 P.M.