OMG Domain Technology Committee
Friday, 27 March, 2020
Virtual March 2020 meeting
OMG document dtc/20-03-01

Attendance:

Marlin Ballard	Georgia Tech (U)
Amy Stowers	Maximus (I)
Jeff Smith	**nContext (*)**
Robert Rencher	Boeing (P)
Fredda Lerner	The Aerospace Corporation (-)
Pete Rivett	Adaptive (P)
Bill Beavin	Boeing (P)
Adam Mitz	OCI (I)
Ed Seidewitz	**Model Driven Solutions (*)**
Conrad Bock	NIST (G)
Mike Bennett	**IOTA (*)**
Char Wales	**Jackrabbitt Consulting (*)**
Maureen Robusto	OMG
Gundars Alksnis	Riga Technical University (U)
Peter Denno	NIST (G)
Meg Duncan	OMG
Lars Toomre	BRC FinTech Corporation (I)
Chuck Abbott	OIS (P)
Ben Calloni	Lockheed Martin (P)
Steve MacLaird	OMG
Zack Hashemi	**nContext (*)**
Brad Kizzort	**OS/COMET Product Group (D)**
Jim Logan	**No Magic/Dassault Systemes (*)**
Matteo Vescovi	Micro Focus (P)
Manfred Koethe	88solutions (P)
John Draga	Micro Focus (P)
Andy Mattice	Lexmark (R)
Richard Beatch	**Bloomberg LP (D)**
Elisa Kendall	Thematix Partners (P)
Evan Wallace	NIST (G)
Uwe Kaufmann	**GfSE (*)**
J.D. Baker	**Sparx Systems (*)**
Roger Burkhart	Deere & Company (T)
Fernando Garcia	RTI (P)
Hugues Vincent	**THALES (*)**
Daniel Brookshier	**No Magic/Dassault Systemes (*)**
Claude Baudoin	**cebe IT & KM (*)**
Tracie Berardi	OMG

Juergen Boldt	OMG
Jason McC. Smith	OMG
Jim Logan	**No Magic/Dassault Systemes (*)**
Diane Ehramjian	OMG

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

Jason Smith, OMG's Vice President and Technical Director, determined if the DTC was quorate. Quorum was 5; there were 11 DTC voters present virtually. The DTC was called to order at 08:53 a.m.

First order of business was approval of the Long Beach, CA DTC minutes (dtc/19-12-09).

Richard Beatch (Bloomberg LP) moved to approve the minutes.
Char Wales (Jackrabbit Consulting) seconded the motion.
Hugues Vincent (THALES) proposed White Ballot.
There was no objection to White Ballot.
Motion carried.
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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:
- Met for 1.125 days (Monday all day plus Tuesday morning wrap-up)
  - 33 people on virtual sign-up sheet, peak of 26 simultaneous attendees
  - Virtual meeting went flawlessly
- Business Architecture Core Metamodel (BACM)
  - Progress report from Jim Rhyne
  - Postponed revised submission deadline to 22 Feb 2021, recognizing that there are 35 open issues and previous deadlines were overly optimistic
- Standard Business Report Model (SBRM)
  - Submission status presented by Pete Rivett
  - Nering completion – moved revised submission date to 25 May 2020
- Risk Management
  - No response received
  - Previous work by Fred Cummins and SysA PTF may lead to a discussion paper

- Requirements Management

Two responses received: Boeing and ScopeMaster
- o With previously received material, we have just enough input to create at least a Discussion Paper
- o May or may not lead to an RFP, depends on what existing standards we find

- Pedigree & Provenance Model and Notation (PPMN)
  - o Status review by John Butler, intent is to submit an RFC by December 2020

- Situational Data Model & Notation (SDMN)
  - o Status review by Steve White, disagreement on need for a new data modeling standard, will be addressed through a series of conference calls starting 31 Mar
  - o Intent is to submit an RFC by December 2020

- Knowledge Package Model & Notation (KPMN)
  - o Status review by Steve White, intent is to submit an RFC by December 2020

- Documents Issued – Will submit r.s.n.

bmi/20-03-01	BACM Status Presentation
bmi/20-03-02	Presentation of Boeing's Response to Requirements Management RFI
bmi/20-03-03	Presentation of ScopeMaster's Response to Requirements Management RFI
bmi/20-03-04	Presentation of PPMN Work in Progress
bmi/20-03-05	Presentation of SDMN Work in Progress
bmi/20-03-06	Presentation of KPMN Work in Progress
bmi/20-03-07	Minutes of Virtual BMI DTF Meeting, 23-24 Mar 2020

Future Deliverables (in process)
- Standard Business Report Model: revised submission
- Discussion papers based on the two RFIs (Risk & Requirements)
- RFCs or RFPs on PPMN, KPMN, SDMN
- BACM joint revised submission

Agenda Items for the Next Meeting:
2 days, Monday and Wednesday or Thursday (t.b.d.)
- BACM update

- Presentation of DMN 1.3
- SBRM revised submission review and vote to recommend for adoption
- PPMN update
  - Possible presentation by Tony Espinosa (Corlina) on Supply Chain Trust – related to provenance and pedigree
  - Possible presentation by Bob Martin (MITRE) on Software Bill of Materials work
- SDMN update
- KPMN update
- Work session on Requirements Management discussion paper

The question was raised if SDMN would be handled as an RFP or as an RFC and it was clarified that the intentions were to go forward with the RFC process.

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 (Uwe Kaufmann, GfSE)
  http://doc.omg.org/mantis/2020-03-01
- Possible RFC for Production and Logistics Modeling and Analysis Logistics Modeling and Analysis (Timothy Sprock, NIST)
  http://doc.omg.org/mantis/2020-03-02
- BaSysPLM - A Satellite Project of BaSys 4 (Christian Muggeo, Contact Software)
  http://doc.omg.org/mantis/2020-03-03
- Productive 4.0 EU project update and potential standardization (Øystein Haugen, HIOF)
  http://doc.omg.org/mantis/2020-03-04
- Product Knowledge Framework (PKF) RFI considerations (William Beavin, BOEING)
  http://doc.omg.org/mantis/2020-03-05
- Model Integration & Interchange (MII) "beyond XMI" use cases / potential RFP discussion

Deliverables from this Meeting:
- Technology Adoption Recommendation(s)
  - N/A
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s)
- Product Knowledge Framework (PKF) RFI
  http://doc.omg.org/mantis/2019-06-01
  Response deadline extended: May 25, 2020 (4week to June Mtg.)

Future Deliverables (In-Process):
- Technology Adoptions
  - N/A
- RFP/RFI Recommended or Other Recommendations
  - N/A
- Liaisons

  o ISO TC 184 SC4 (aka STEP)

Agenda Items and Interest for the Next Meeting(s):
- June 2020
  - MITF – Model Integration & Transformation Facility RFP review
  - PKF (Product Knowledge Framework) status and update – review RFI response(s)
  - Tentative: digital master / digital twin – update from DT consortium? (subject to the directions of the DTC)
  - Tentative: update on INCOSE DEIX WG (Digital Engineering Information Exchange)
  - Tentative: update on ISO TC 184 SC4
  -
- September 2020
  - Update on GENIAL! (Automotive Electronic Roadmapping project)
  - Tentative: Arrowhead / Productive 4.0 projects update
- December 2020
  - "How Modern PLM Systems Interact in Enterprise IT Environments" - Information Day (CONTACT Software)
  - Tentative: RFC / RFP on Production Logistics Modeling
- Long Term / Reach out to
  - Augmented Reality industrial applications and standardization needs (VERSES / AREA)
  - MIMOSA - Open Standards for Physical Asset Management

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

Key Issues to Summarize:

- First Global Government DTF meeting in several years; NIEM technical meeting
- Global Govt DTF is working with NIEM on possible standards to promote to ISO through OMG standards.
- Working with OMB on new Chief Data Officer Council and possible OMG standards role.
- This DTF will be focusing on outreach to possible government sponsors about standards for U.S. GREAT and Evidence-Based Acts.
- Working this quarter on OMG "white paper" regarding Federal Data Strategy.
- Establishing OMG relationship with Government Blockchain Association ("GBA").

Report to Domain Committee:

- Voted (via white ballot) to recommend to DC to rename this group to "Global Government Domain Task Force".
- Voted to recommend that a new charter be presented to DC at June 2020 OMG Orlando(??) TC

Lars Toomre noted that the Government DTF as well as the FERM WG would continue to hold weekly telecons.

Discussion then turned to the issue of renaming the Task Force and if it was necessary to de-charter and then re-charter the Task Force with its new name and if a new charter was needed. It was clarified that there was just a expansion of the charter. Discussion then turned on the topic of how the Task Force was perceived, the current name being ambiguous and seen as being U.S.-centric by non-U.S. members. There was agreement that there was a need to reach-out to non-U.S. governments, which was already problematic, and that a clarification of the name of the Task Force would help. Proposals for a name clarification included to change "Global Government Domain Task Force" to "Global Government**s** Domain Task Force" or "Global Governmental Domain Task Force". No decision was made.

Mike Bennett (EDM Council) reported on the activities of the ***Finance Domain Task Force*** and Lars Toomre updated on the activities of the ***FERM WG:***

Highlights from this Meeting:

- Did not meet separately this time
    - Some of our progeny had meetings which we attended
- Jointly with FERM WG
    - Data coalition, ACTUS, NIEM discussions
    - FIBO Status Update (finance/20-03-01)
- With Government DTF
    - History, scope, mission etc.
    - RegTech initiatives
    - GovDTF is taking on some of the definitions exercise from the FDTF Dec 2019 doc

Deliverables from this Meeting:
- FIBO Status update (slides) finance/20-003-01

Future Deliverables (In-Process):
- FIBO v2 FTF Report

Liaisons
- OMG: FERM WG, Blockchain PSIG, MARS PTF, Gov DTF, AI PTF
- OMG has formal liaison with ISO TC68 (Financial Services)
- Informally: ACTUS, GLEIF, XBRL, BIAN etc.
- EDM Council (via reciprocal membership arrangement)
-
Agenda Items for the Next Meeting:
- FIBO v2 FTF Report

Discussion ensued revolving around the FIGI-related Crypto Asset WG and that the FIGI RTF should accommodate crypto assets.

Brad Kizzort (OS/COMET Product Group) reported on the activities of the **Space Domain Task Force**:

Highlights from this Meeting:
- Discussed a draft RFP for a simplified tabular display definition exchange
- Hosted RTF issued discussions for the 3 specifications with reports due in May 2020.
- Jonathan Wilmot from NASA Goddard Space Flight Center presented an overview and current status of their core Flight System, which is a group of open source software packages for spacecraft flight systems. These reusable software components have been used for space missions by 5 NASA centers and Johns Hopkins Applied Physics Laboratory. The group had the opportunity to discuss the role OMG might play in publishing the operations interfaces for flight services developed using cFS, and future models for AI-aided space mission operations.

Deliverables from this Meeting:
- None

Future Deliverables (In-Process):
- CubeSat System Reference Model (revised submission due in May)
- Telemetry Display Page Exchange RFP
- Command & Control Message Specification (C2MS 1.1 RTF)
- XML Telemetric & Command Exchange (XTCE 1.3 RTF)
- XTCE US Government Satellite Conformance Profile (XUSP 1.1 RTF)
- GEMs

Votes
- None

Agenda Items for the Next Meeting (Orlando):
- Telemetry Display Page Exchange draft RFP
- CubeSat System Reference Model (potentially vote-to-vote and vote)
- XTCE, XUSP, and C2MS Revision Reports

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

Highlights from this Meeting:

- Carrie Wilkie, (GS1 US) presented recent research into the retail industry's readiness and drivers for adopting replacement of the ubiquitous U.P.C. with a high data density variable data capable symbology.

- John Glaubitz (Vertex) expanded on plan to make Retail Industry Ontology (RIO) a standalone product.
- Furuhata Tadashi (Seiko Epson), Yasumoto Toyohiro (VINX) and Denis Kuniss (Diebold-Nixdorf) concluded how to move forward on all issues in UnifiedPOS RCSD. Voted on new schedules.
- Roland Zalisevskij (Service Plus) presented the progress on the Fiscal API RFP. Working session to clarify transaction types in retail context.
- Building proposal for Micro-Location in Retail RFP to request at Orlando meeting with Vivian Underwood (GS1) and Brian Wells (GS1). The work itself is progressing, need it to be under charter.
- Ron Zahavi (Microsoft) drove progress on the Retail IoT Security Maturity Model. Short list of next steps assigned.
- Claude Baudoin (OMG) clarified work needed on Cloud-in-Retail project, helped form a plan for the work. Ready soon for outreach to volunteer authors.
- Virtual necessity had its challenges but was a success!
- VOTED to open UnifiedPOS v1.15.1 for issue resolution, including adding Digimarc symbology.
- VOTED to extend Digital Receipt RFP initial submission to Aug 18, 2020 and revised submission to Feb 22, 2021.

Deliverables from this Meeting:
- retail/2020-03-02   RDTF Kickoff meeting minutes
- retail/2020-03-03   API Decoration meeting minutes
- retail/2020-03-04   Micro-Location in Retail meeting minutes
- retail/2020-03-05   GS1 Building on the Foundation of the UPC Barcode meeting minutes
- retail/2020-03-06   UnifiedPOS meeting minutes
- retail/2020-03-07   Retail Industry Ontology meeting minutes
- retail/2020-03-08   Retail Security Maturity Model SMM meeting minutes
- retail/2020-03-09   Cloud Operations for Retail meeting minutes
- retail/2020-03-10   RDTF Closing Plenary Report
- retail/2020-03-11   Retail Roadmap

Future Deliverables:
- Retail IoT Security Maturity Model guide – feedback draft for May 26, 2020
- Micro-Location in Retail – RFP planned for May 26, 2020
- UnifiedPOS v2 Fiscal API RFP – Initial Submission May 26, 2020
- UnifiedPOS v1.16 FTF – Submission May 26, 2020
- UnifiedPOS v1.15.1 – Submission May 26, 2020
- Digital Receipt RFP – Initial Submission Aug 18, 2020

Liaisons
- OMG Cloud SIG
- IoT SMM
- Open Geospacial Consortium (OGC) on IndoorGML

Agenda Items for the Next Meeting (Orlando):
- RDTF Summary and Agenda Overview
- Retail Industry Ontology WG meeting
- UnifiedPOS WG meeting
- Retail IoT Security Maturity Model WG meeting
- FTF submission to complete RCSD UPOSv1.16
- Submission to resolve issues in UPOSv1.15.1
- Location in Retail RFP (charter)
- Cloud Services for Retail kickoff

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

Uwe Kaufmann (GfSE e.V.) moved to charter **the Simple Electronic Notation for Sensor Reporting 1.0 FTF** with the following deadlines and membership:

SENSR 1.0 FTF

Contact: sensr-ftf@omg.org

TF Chairs: Mr. Dirk Slama
IPR Mode: Non-Assert
Public List of Issues: SENSR

Members List of Issues: SENSR

Schedule

Event	Date	Notes
Base document(s)		*Relevant documents:* mantis/19-12-07 (SENSR SVG zip archive) mantis/19-12-06 (SENSR.xmi diff (changebar)) mantis/19-12-05 (SENSR 1.0 inventory file) mantis/19-12-04 (XMI for SENSR 1.0)

		mantis/19-12-01 (SENSR 1.0 revised submission clean)
Voting List Deadline	March 27, 2020	
Beta 1 Specification Publication	May 31, 2020	
FTF Comments due	August 31, 2020	
FTF Report Due Date	November 9, 2020	
FTF Recommendation and Report deadline	November 12, 2020	

VOTING LIST:

Company	Date	Notes
88solutions	March 27, 2020	*Mr. Manfred R. Koethe*
Bosch	March 27, 2020	*Mr. Dirk Slama*
GfSE e.V.	March 27, 2020	*Mr. Uwe Kaufmann*
NIST	March 27, 2020	*Mr. Peter Denno*

J.D. Baker (Sparx Systems) seconded the motion
Hugues Vincent (THALES) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Brad Kizzort (OS/COMET Product Group) moved to charter **the Satellite Operations Language Metamodel (SOLM) 1.1 Revision Task Force** with the following dates and membership:

SOLM 1.1 RTF

Contact: solm-rtf@omg.org

TF Chairs: Mr. Brad Kizzort
IPR Mode: RF-Limited
Public List of Issues: SOLM11

Members List of Issues: SOLM11

Schedule

Event	Date	Notes
Voting List Deadline	March 27, 2020	
RTF Public Comment Deadline	June 1, 2020	
RTF Report Due Date	November 9, 2020	

VOTING LIST:

Company	Date	Notes
Amergint Technologies	March 27, 2020	*Mr. Luis Rodriguez*
Boeing	March 27, 2020	*Mr. David Overeem*
Braxton Technologies, LLC	March 27, 2020	*Mr. Charles Gerry Simon*
OS/COMET Product Group	March 27, 2020	*Mr. Brad Kizzort*

J.D. Baker (Sparx Systems) seconded the motion
Hugues Vincent (THALES) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Brad Kizzort (OS/COMET Product Group) moved to re-charter the Ground Equipment
Monitoring Service **1.5 Revision Task Force** with the following dates and membership:

GEMS 1.5 RTF

Contact: gems-rtf@omg.org

TF Chairs: Mr. Eric Ogren
IPR Mode: RF-Limited
Public List of Issues: GEMS15

Members List of Issues: GEMS15

Schedule

Event	Date	Notes
Base document(s)		*Relevant documents:* formal/16-06-05 (Ground Equipment Monitoring Service, v1.4)
Voting List Deadline	March 27, 2020	
RTF Public Comment Deadline	June 1, 2020	
RTF Report Due Date	November 9, 2020	

RTF Revision Deadline	December 18, 2020	

VOTING LIST:

Company	Date	Notes
Amergint Technologies	March 27, 2020	*Mr. Luis Rodriguez*
Braxton Technologies, LLC	March 27, 2020	*Mr. Charles Gerry Simon*
Kratos RT Logic, Inc.	March 27, 2020	*Mr. Eric Ogren*
OS/COMET Product Group	March 27, 2020	*Mr. Brad Kizzort*

J.D. Baker (Sparx Systems) seconded the motion
Hugues Vincent (THALES) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Char Wales (Jackrabbit Consulting) moved to charter the UnifiedPOS 1.15.1 **Revision Task Force** with the following dates and membership:

UNIFIEDPOS 1.15.1 RTF

Contact: retail-up115-rtf@omg.org

TF Chairs: Mr. Leonid Rubakhin
IPR Mode: RAND
Public List of Issues: UPOS1151

Members List of Issues: UPOS1151

Schedule

Event	Date	Notes
Base document(s)		*Relevant documents:* dtc/18-12-20 (UnifiedPOS 1.15 convenience document clean) dtc/18-12-04 (Updated UnifiedPOS 1.15 FTF zipped .xsd files)
Voting List Deadline	March 27, 2020	
RTF Public Comment Deadline	April 24, 2020	
RTF Report Due Date	May 25, 2020	
RTF Revision Deadline	July 3, 2020	

VOTING LIST:

Company	Date	Notes
Aptos	March 27, 2020	*Mr. Leonid Rubakhin*
Diebold Nixdorf Global Solutions B.V.	March 27, 2020	*Mr. Denis Kuniss*
Lexmark International, Inc.	March 27, 2020	*Mr. Andy Mattice*
Seiko Epson Corp	March 27, 2020	*Mr. Tadashi Furuhata*
Toshiba Corporation	March 27, 2020	*Mr. Gerald Armentrout*

J.D. Baker (Sparx Systems) seconded the motion
Hugues Vincent (THALES) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Char Wales (Jackrabbit Consulting) made the composite motion:

- To extend the report deadline of the SysPhs 1.1 Revision Task Force to 3 July, 2020
- To extend the report deadline of the FIBO Financial Business & Commerce 1.1 Revision Task Force to 3 July, 2020
- To extend the report deadline of the FIBO Business Entities 1.2 Revision Task Force to 3 July, 2020
- To extend the report deadline of the FIBO Foundations 1.3 Revision Task Force to 3 July, 2020
- To extend the report deadline of the FIBO Indicies and Indicators 1.1 Revision Task Force to 3 July, 2020
- To extend the report deadline of the FIGI 1.1 Revision Task Force to 2 April, 2021
- To extend the SOLM 1.1 RTF revision deadline to April 2, 2021

J.D. Baker (Sparx Systems) seconded the motion
Hugues Vincent (THALES) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Brad Kizzort (OS/COMET Product Group) made the composite motion:

- To add Gerry Simon as voter for Braxton Technologies to the C2MS 1.1 RTF
- To add Gerry Simon as voter for Braxton Technologies to the XTCE 1.3 RTF
- To add Gerry Simon as voter for Braxton Technologies to the XUSP 1.1 RTF
- To add Robert V. Sigillito as voter for BAE Systems to the UAF 1.2 RTF

J.D. Baker (Sparx Systems) seconded the motion
Hugues Vincent (THALES) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Char Wales (Jackrabbit Consulting) moved to extend the Robotic Service Ontology RFP LOI
deadline to 3 November, 2020
J.D. Baker (Sparx Systems) seconded the motion
Hugues Vincent (THALES) 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 10:40 A.M.