OMG Domain Technology Committee
Friday, 22nd March, 2019
Reston, VA
OMG document dtc/19-03-07

Larry Johnson determined if the DTC was quorate. Quorum was 6; there were 10 DTC voters present. The DTC was called to order at 09:06 a.m.

First order of business was approval of the Seattle, WA minutes (dtc/18-12-23).

J.D. Baker (Sparx Systems) moved to approve the minutes.
Hugues Vincent (THALES) seconded the motion.
Claude Baudoin (cebe IT & KM) 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:
- BACM submissions – 3 submitter teams: Mega/Trisotech, Agile Enterprise Design/VDMbee, Business Architecture Guild, met and agreed to collaborate – Expecting a single revised submission in Sep. or Dec.
- Standard Business Report Model – Presentation of a draft RFP
- Requirements Management – Presentation by Tom Strevey (Boeing) – Defined a roadmap that will involve collaborating with SysEng, Retail, Finance, Healthcare, and any other concerned groups
- Risk Management RFI – First partial draft created, to be socialized and issued in Amsterdam • Cloud Working Group update

Documents Published:
- bmi/2019-03-01: SBRM RFP draft
- bmi/2019-03-02: Requirements management at Boeing
- bmi/2019-03-03: RFI draft for Risk Management

Future Deliverables (In-Process):
- Business Architecture Core Metamodel (BACM) revised submission
- RFI for Risk Modeling and Management
- RFI for Requirements Modeling and Management

RFP/RFI Other Recommendations:
- None at this meeting

Agenda Items for the Next Meeting:

- All day Monday 17 June
- SBRM RFP, Risk Management RFI, Requirements presentations to other subgroups, Cloud governance discussion paper

Char Wales (MITRE) reported on behalf of the C4i DTF chairs on the activities of the *C4I Domain Task Force:*

Highlights from this Meeting:
- LOI extended on the FACE RFP
- BAE C2I NAV pre submission review
- Tactical Decision Aids RFP Review
- Overview of the projected testing of IEF RA planned for NATO CWIX (Coalition Warrior Interoperability eXercise) in June 2019. Potential Adoption of the IEF-RA and the Data Centric Security (DCS) RA for NATO

Deliverables from this Meeting:
- C4I-2019-03-01 –BAE C2I NAV Submission for review of comments
- C2I-2019-03-02 –BAE TACSIT Decision Aids RFP for review
- C4I-2019-03-03 –IEF in CWIX Overview.pptx (ASMG)
- C4I-2019-03-04 –Minutes.

Future Deliverables (In-Process):
- FACE Initial Submissions
- C2INAV
- Tactical Decision Aids

Liaisons:
- NATO and US J6
- Use of IEF-RA for Data Centric Security

Agenda Items for the Next Meeting:
- Face Submission Review
- C2I NAV submission Review
- Data Tagging and Labeling RFP (direction of the RFP) ??

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

Highlights from this Meeting:
- IOTA Node Standard Plans and RFP v RFC Discussion (with MARS PTF)
- IOTA Ternary Standard RFC Review and Discussion (with MARS PTF)
- FIBO v2 Plans and Content Roadmap
- ISO FIGI Fast-Track update
- FIBO Tweets – using FIBO and Twitter for bonds analysis

- GLIEF Legal Entity Identifier Ontologies
- SBRM Updates
  - SBRM
  - Mathematical modeling of ontology terms
  - Semantic Spreadsheet – Workshop on FIBO Usage – Equities Pricing

Deliverables from this Meeting:
- None

Future Deliverables (In-Process):
- FIBO v2 FTF Report (informal presentation to FDTF)
  - EDM Council FIBO v1 RTFs for BE, IND, FBC and FND remain open until FIBO v2 finalization in June
- IOTA Trinary Encodings RFC - with MARS PTF
- IOTA Node Standard RFC (or draft RFC review) - with MARS PTF

Liaisons:
- OMG has formal liaison with ISO TC68 (Financial Services)
- Informally: GLEIF, XBRL, BIAN etc.

Agenda Items for the Next Meeting:
- FIBO v2 FTF Report informal presentation
- Blockchain PSIG updates and PoC progress
- IOTA Trinary Encodings RFC - with MARS PTF
- IOTA Node Standard RFC (or draft RFC review) - with MARS PTF

Cory Casanave (Model Driven Solutions) reported on the activities of the ***Government Information Sharing and Services Domain Task Force:***

Mr. Casanave noted that there were currently no active technical processes and that he was looking for new chair nominations as he was planning on resigning.

Cory Casanave reported on behalf of the Healthcare DTF chairs on the activities of the ***Healthcare Domain Task Force:***

Highlights from this Meeting:
- Review Initial Submission of MDMI 2.0
- Review request for Standard for Attention Regulation Service. Agreed to establish a exploratory bi monthly call to determine interest and capture initial requirements for potential RFP.
- Reviewed potential approach for modeling "situational data" (information needed to support a clinical guideline or is created by. Initial approach was vote down 10 against, 6 abstain, 0 in support.

- Discussed the value of provenance and pedigree to HDTF. Going to set up a review of a P&P proposal at HL7
- Held BPM+ Healthcare workshop. 40 % of audience were doctors and nurses. American College of Emergency Physicians have agreed to support the development of two clinical guidelines using BPM+
- Reviewed draft version 2 of field guide for clinical pathways
- Plaining for roadmap of version 3 of field guide for clinical pathways

MDMI 2.0
- Revised Submission Deadline : May 20, 2019

Future Deliverables (In-Process):
- Version 2 of the Clinical Pathway Guide
- Two Clinical Pathways for Emergency Medicine
- Road map and project plan for version 3 of clinical pathway guide

Agenda for Amsterdam, NL
- No Agenda planned for June, 2019

Uwe Kaufmann (GfSE) reported on the activities of the *Manufacturing Technology & Industrial Systems Domain Task Force:*

Highlights / presentations from this Meeting:
- GfSE activities update (Uwe Kaufmann,GfSE) http://doc.omg.org/mantis/2019-03-01
- PLM / SE Integration of CONTACT Elements and valispace (Louise Lindblad, valispace & Christian Muggeo, CONTACT Software) http://doc.omg.org/mantis/2019-03-02
- SENSR Draft RFP submission presentation (Jason Smith, ElementalReasoning) http://doc.omg.org/mantis/2019-03-03
- ISO TC 184 SC4 - overview of current projects and activities (Allison BarnardFeeney, NIST) http://doc.omg.org/mantis/2019-03-04
- Production and Logistics Systems Modeling (Timothy Sprock, NIST) http://doc.omg.org/mantis/2019-03-05
- Elements and potential of a Product Knowledge Framework (William Beavin, BOEING) http://doc.omg.org/mantis/2019-03-06
- High-level insight to the INCOSE Digital Engineering Information Exchange (DEIX) WG (Chris Schreiber, LMCO) http://doc.omg.org/mantis/2019-03-07
- Ideas and requirements for RFP/RFI on Model Interchange beyond XMI (Uwe Kaufmann, GfSE) http://doc.omg.org/mantis/2019-03-08
- Specification Integration Facility (SpecIF) Intro: What is it and why (Uwe Kaufmann, GfSE) http://doc.omg.org/mantis/2019-03-09

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
    o N/A
  • RFP/RFI Recommended or Other Recommendations
    o N/A

Liaisons
–

Agenda Items for the Next Meeting:
  • RFI for a "Product Knowledge Framework" (BOEING)
    o Discussion and possible issuance by TF
  • Model Interchange "beyond XMI" use cases and RFP preparation • Evaluation of the Specification Integration Facility (SpecIF)
  • RFI on Production Logistics Modeling

Long Term / Reach out to
  • INCOSE DEIX WG (Digital Engineering Information Exchange) and other
  • Formal methods for digital master / digital twin representation and interlinking • Industrie4.0
  • …

Bart McGlothin (Cisco) reported on the activities of *the **Retail Domain Task Force***:

Highlights from this Meeting:
  • AB review and acceptance for the Digital Receipt API RFP
  • RCSD submission held a vote-to-vote Monday, and final vote to approve submission Wednesday morning. AB to review and hold email vote.
  • AB Plenary on Thursday for WS-POS 1.3.1 FTF
  • Approved by AB! – Wednesday started with a presentation of the IIC Security Maturity Model – Ron Zahavi
  • The Location work team shared their progress and strategy for the RFP and papers – Andy Mattice and Vivian Underwood
  • Retail Ontology working session (definitions for: Tender types, Receipt documents, and transactions) – John Glaubitz
  • Working session for Tender RFC and UPOS v2 Printer API and model – Leonid Rubakhin, Roland Zalisevskij
  • Thursday stated with a presentation on Li-Fi technology and its uses in Retail - Farid Bicharch – Update and discussion with the OMG Cloud SIG, use cases for retail - Claude Baudoin
  • Retail training and certification program planning discussions – how to use our stuff
  • Continue bi-weekly calls for UPOS, monthly for RTDF planning and Ontology

Deliverables from this Meeting:
- dtc/19-02-15 WS-POS v1.3.1 FTF report
- retail/2019-03-03 Digital Receipt API RFP - Clean
- retail/2019-03-04 Digital Receipt API RFP - Changebar
- retail/2019-03-05 RDTF Closing Plenary Report
- retail/2019-03-06 Retail meeting minutes summary for Reston 2019
- retail/2019-03-07 Retail Ontology session meeting minutes
- retail/2019-03-08 Retail Roadmap
- retail/2019-03-09 IIC Security Maturity Models for Retail
- retail/2019-03-10 LiFiTechnology uses in Retail

- Retail Communications Service Device Demo videos: Robot and Self check-out POS. In this video, main Robot from Fujitsu and future RCSD implanter candidate Sony (right hand side) and Sharp (left hand side) are there. https://youtu.be/fTobPLxjWP4
- New Instructor lead training courses for POSLog in retail: https://www.globalretailtechnologyadvisors.com/

Future Deliverables (In-Process):
- RFC Tender Information Standardization - target September 2019
- RFP for Location v3 – target September 2019 – Interest from other Domains?
- RFI for a Retail DM to Blockchain API
- RFI for Printers and Scanners using 2D/RF product codes in UPOS
- UNIFIEDPOS V2 MODEL AND POS PRINTER API RFP
  - Initial Submission Deadline Date from: May 20th 2019 to August 26th 2019
  - Revised Submission Deadline Date from: November 11th 2019 to February 18th, 2019

Liaisons
- OMG Business Process Models – Healthcare, Retail
- Cloud Services for Retail – collaboration with OMG Cloud SIG
- Collaboration with Provenance & Pedigree OMG workgroup

Agenda Items for the Next Meeting:
- RDTF Summary and Agenda Overview
- Nominations for new Chairmen – vote at end of June meeting
- Retail Ontology WG meeting/call
- UPOS WG meeting/call
- FTF work for RCSD UPOSv1.16
- Blogs and Discussion papers publishing

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

Highlights from this Meeting:
- Hosted the Space specs special event. Very successful, ~70 attendees, many, who had never been to an OMG meeting before, e.g. students from a student-led project to build a CubeSat from Montgomery Blair High School.
- Discussed the 5 Letters-of-Intent for the CubeSat System reference Model (CSRM). Two of the new attendees at this meeting were Model Based System Engineering practitioners that either submitted a LOI, or are interested in participating in CSRM.
- Reviewed a response to the Command and Control User Definition Language Request for Information (CUDL RFI) from Ball Aerospace that supports the Cosmos open source tool. Assigned a task force member to conduct a closer review to determine how well it addresses the scope identified in the RFI.
- Held short C2MS FTF to plan to address some problems in the final report
- Held XTCE 1.3 RTF to plan which issues to address in 1.3

Deliverables from this Meeting:
- None

Future Deliverables (In-Process):
- Command and Control Messaging Specification (C2MS) finalization

Votes:
- None

Agenda Items for the Next Meeting:
- C2 User Display Language (CUDL) RFP or RFC for existing technology
- Space Domain Specification Roadmap

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

Highlights from this Meeting:
- SysMLMeet & Greet on Monday evening
- MBSE Submission Update Presentations
- Proposed OMG Standard for Integrating Safety and Reliability Analysis into MBSE - Andrius Armonas, Tomas Juknevicius , Kyle Post
- SysMLv2 Submission Status and Demo –S Friedenthal, E Seidewitz, M Bajaj

MBSE Practices
- The Handoff -From MBSE to Downstream Engineering –Bruce Douglass
- Boeing Systems Engineering Modeling Standards: System Architecture Core Model Elements and Composition –Bob Malone
- Autonomous Vehicle System-of-System Development using MBSE -Kyle Post

- Transitioning from Document-Centric to Model-Centric Interface Coordination Mike Hanlon, Justin Gliptis

The next order of business was **RFP/RFC/RFI/RFR/WHITE PAPER ISSUANCES.**

Richard Beatch (Bloomberg LP)) moved to issue the Digital Receipt API v1.0 RFP (OMG document number retail/2019-03-03)
Char Wales (MITRE) seconded the motion
Uwe Kaufmann (GfSE e.V.) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

The next order of business was initiation of the **TECHNOLOGY RECOMMENDATION** polls.

Before the DTC on 22nd March, 2019 were the following submissions and reports:

WS-POS Version 1.3.1 FTF report	dtc/19-02-15
Convenience document clean	dtc/19-02-16
Convenience document with change bars	dtc/19-02-17
machine-readfable files in a .zip archive	dtc/19-02-18
WS-POS Version 1.3.1 supporting documents in a .zip archive	dtc/19-02-20
OARIS 1.1 RTF Report	dtc/19-03-01
Convenience document clean	dtc/19-03-04
Convenience document with change bars	dtc/19-03-02
XMI file	dtc/19-03-05
IDL file	dtc/19-02-05
Ancillary EA file	dtc/19-03-06
Diagram archive	dtc/19-03-03

Larry Johnson explained that the vote on this technology recommendation will be carried out by email, but that any DTC voting representative here today whose company wishes to vote Yes can pre-register that vote now, and OMG staff will email confirmation of that vote to the registered voter after the meeting.

Those who pre-registered a vote IN FAVOUR OF RECOMMENDING ADOPTION of the submissions and reports (document numbers as listed above):

- Elemental Reasoning, Bloomberg LP, GfSE e.V., cebe IT & KM, Jackrabbit Consulting, THALES, OntoAge, OS/COMET Product Group, Model Driven Solutions, EDM Council, Real-Time Innovations, MITRE

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

Brad Kizzort (OS/COMET Product Group) made the composite motion to:
- To extend the revision deadline of the Command and Control Message (C2MS) 1.0 FTF to 28th June, 2019
- To extend the revision deadline of the UAF 1.1 RTF to 4th October, 2019

Richard Beatch (Bloomberg LP) seconded the motion
J.D. Baker (Sparx Systems) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Char Wales (MITRE) made the composite motion:
- to replace Gil Ronen with Gil Segal as Sapiens voter on the DMN 1.3 RTF
- to add James Martin of The Aerospace Corporation as voter on the UAF 1.1 RTF

J.D. Baker (Sparx Systems) seconded the motion
Richard Beatch (Bloomberg LP) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Larry Johnson announced that a OMG Architecture Board By-Election was scheduled for the Amsterdam TC meeting in June 2019 to fill a single vacant Domain Seat that expired at the end of the December 2018 TC Meeting, and that nominations for this seat were now open.

Larry Johnson then asked if there was any other business coming before the DTC. There being no further business brought before the DTC, it was adjourned at 10:14 A.M.