

OMG Domain Technology Committee
Friday, 14th December, 2018
Seattle, WA
OMG document dtc/18-12-23

Larry Johnson determined if the DTC was quorate. Quorum was 6; there were 8 DTC voters present. The DTC was called to order at 10:45 a.m.

First order of business was approval of the Ottawa, ON minutes (dtc/18-09-01).

Hugues Vincent (THALES) moved to approve the minutes.

J.D. Baker (Sparx Systems) seconded the motion.

Uwe Kaufmann (GfSE) proposed White Ballot.

There was no objection to White Ballot.

Motion carried.

Next order of business was **SUBGROUP REPORTS**.

Fred Cummins (Agile Enterprise Design) reported *on Business Modeling and Integration Domain Task Force* (BMI DTF) activities:

Highlights from this Meeting

- BACM revised submission presentations
 - Jim Rhyne bmi/2018-12-02
 - Fred Cummins bmi/2018-12-03
 - Denis Gagne bmi/2018-12-04
 - Revised submission date, August 26, 2019
- BPM Standards Integration–Presentation by Denis Gagne and Steve White
- Discussion of content for a Risk Management RFI
- Chairs election: Claude Baudoin and Fred Cummins re-elected

Future Deliverables (In-Process)

- Business Architecture Core Metamodel (BACM) revised submission(s)
- Discussion paper on BPM standards integration
- RFI for Risk Management ToolsRFP/RFI

Other Recommendations

- None at this meeting

Agenda Items for the Next Meeting

- BACM convergence status update
- Draft RFI for Risk Management tools
- Draft discussion paper on common elements between processes, cases, and decisions

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

Highlights / presentations from this Meeting:

- Prostepivip SysML WorkFlow Forum presentation (Timo Wekerle, prostepivip) <http://doc.omg.org/mantis/2018-12-01>
- Closed-Loop Systems Engineering with CONTACT Elements –a tool vendor demonstration on PLM-MBSE integration (Christian Muggeo, CONTACT Software) <http://doc.omg.org/mantis/2018-12-02>
- Productive 4.0 and HIOF (ØysteinHaugen, HIOF <http://doc.omg.org/mantis/2018-12-03>)
- Simple Electronic Notation for Sensor Reporting (SENSR) RFP submission status (Jason Smith, Elemental Reasoning)

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
 - N/A

Agenda Items for the Next Meeting:

- Model Interchange use cases
- PLM-integrated MBSE / SysML Ecosystem
- Formal methods for digital master / digital twin representation and interlinking–
- Tentative: RFP for a Product Knowledge Framework (BOEING)
- Long Term / Reach out to
 - ISO TC 184 SC4 collaboration and liaison relationship
 - Industrie4.0, IIC Smart Factory Task Group
 - INCOSE WGs, e.g. TIMLM (Tool Integration and Model Lifecycle Mgmt.), MBSE, ...

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

Ms. Wales noted that the IEF would go to NATO for live testing

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

Highlights from this meeting:

- FIBO v2 voted to adopt
- XBRL and FIBO comparisons and reporting requirements
- Met jointly with MARS PTF for DIDO/Blockchain sessions

- IOAT planning for OMG standardization
- Distributed Ledger WG wrap-up
- EDM Council FIBO dev process updates (and Denis Wisnosky retiring)
- OMG and ISO Liaison update, identification standards
- Roadmap: regulatory requirements; potential FIBO collaborations
- Workshop on FIBO usage

Deliverables from this Meeting:

- FIBO v2 voted to adopt

Future Deliverables (in-process)

- IOTA Tangle, protocols, messaging etc. RFCs/RFPs
- EDM Council FIBO v1 RTFs for BE, IND, FBC, and FND remained open until FIBO v2 adoption (this meeting cycle); now closing

Liaisons:

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

Agenda Items for Next Meeting:

- IOTA RFC Specification(s) draft review
- Blockchain RFPs planning (with Blockchain PSIG)
- Blockchain PSIG – Special Event

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

Highlights from this Meeting:

- Started off with a great Retail Innovation special event - Thanks to Karen Shunk!
- AB Plenary on Thursday for UnifiedPOS v1.15 FTF – Approved by AB!
- Overview and discussion of Microsoft’s Open Data Initiative – Lakshmi Murthy
- Working session for Tender RFC (Discussion of Cash: Local, National, what is currency, currency types, Coupons for payments and discounts, difference between mobile payments and mobile wallets) – Leonid Rubakhin
- Retail Ontology working session (definitions for: Tender types, Parties, Roles) – John Glaubitz
- Retail training and certification program planning discussions –how to use our stuff
- Updated Roadmap – Blogs/Papers, how to use Blockchain, Transition to 2D/RF
- Continue bi-weekly calls for UPOS, monthly for RTDF planning and Ontology

Deliverables from this Meeting:

- dtc/18-12-22UnifiedPOS v1.15 FTF report
- retail/2018-12-01RDTF Closing Plenary Report
- retail/2018-12-02Retail meeting minutes for Seattle 2018

- retail/2018-12-03Retail Ontology session meeting minutes
- retail/2018-12-04Retail Roadmap
- retail/2018-12-05Microsoft presentation -Opendata initiative
- retail/2018-12-06GS1 presentation –Beyond the U.P.C.
- Educational training videos: Introduction to ARTS:
<https://youtu.be/gOa2NHkE3SM> Retail Architecture Self passed course overview:
<https://www.youtube.com/watch?v=hI4XliELJfg> The ARTS for Retail book, available at Amazon and Google Books
- <https://www.amazon.com/ARTS-Retail-Technology-Consumers-Customers/dp/1491715529>
- https://books.google.com/books/about/ARTS_for_Retail.html?id=BsqbAgAAQBAJ

Future Deliverables (In-Process):

- FTF final report for WS-POS v1.3.1 –February 18th, 2019
- RFC Tender Information Standardization - target March 2019
- RFP Digital Receipt v4 –target June 2019
- RFP for Location v3 –target September 2019
- 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: February 18th 2019 to May 20th 2019
 - Revised Submission Deadline Date from: August 26th 2019 to November 11th 2019

Liaisons

- Collaboration with NRF on Roadmap and meetings
- Collaboration with Provenance & Pedigree OMG workgroup

Agenda Items for the Next Meeting:

- RDTF Summary and Agenda Overview
- Retail Ontology WG meeting/call
- UPOS WG meeting/call
- FTF work for WS-UPOS 1.3.1
- Blogs and Discussion papers publishing

J.D. Baker (Sparx Systems) reported on behalf of the Government chairs on the activities of the *Government Information Sharing and Services Domain Task Force*:

Highlights from this Meeting:

- Discussed the state of the National Information Exchange Model (NIEM) and the UML profile for NIEM.
- Searching for a way to separate concerns between the Core model and the Domain models

Deliverables from this Meeting:

- Technology Adoption Recommendation(s)
 - N/A
- RFP/RFI/RFC Recommendation(s) or Other Recommendation(s) (if SC)
 - Plan of action for developing a UML Profile for NIEM 4 specification based on the Sparx Systems implementation

Future Deliverables (In-Process)

- Technology Adoptions
 - RFC for the UML Profile for NIEM 4–R
- RFP/RFI Recommended or Other Recommendations (if SC)
 - N/A

Liaisons

- Attend NIEM meetings that are proposing a major revision to the 4.1 NIEM model

Agenda Items for the Next Meeting:

- Review the RFC submission

Elisa Kendall reported on behalf of the Healthcare DTF chairs on the activities of the *Healthcare Domain Task Force*:

Highlights from this Meeting:

- Reference Healthcare Architecture update and review
- Presentation on Harmonization of (BPMN, DMN & CMN) for Healthcare Discussion
- Community of Practice for Healthcare (Action Plan and next steps)
- Review V2 of Field Guide for Shareable Clinical Guidelines
- Review of MDMI 2.0 Meta Model and progress/plans to use SOLOR as Reference Model for Healthcare Domain Model
- Situational Data – Review, discussion & define requirements

Future Deliverables:

- In-process version 2 of Shareable Pathways Draft planned for the Reston meeting
- Healthcare Information Day planned for the Reston meeting

Agenda for Recont, US

- Continue discussion for Healthcare Framework Architecture
- Community Health
- Review of Version 2 of Shareable Pathways Draft planned for Reston

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

Highlights from this Meeting:

- Robotics Plenary: (7 participants)

- Co-chair change: Kenichi Nakamura (JASA) to Koji Kamei (JARA/ATR)
- Review of RoSO RFP [2018-11-01]
- 1 WG Reports–Robotic Functional Service WG [2018-12-05]
- RoSO (Robotic Service Ontology) RFP [2018-12-03] (update)

Deliverable from this Meeting:

- Robotic Service Ontology RFP

Future Deliverables (In-Process):

- Robotic Service Ontology proposal

Next Meeting (in Amsterdam):

- No WG activities in Reston
- Robotic Service Ontology proposal

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

Highlights from this Meeting:

- Discussed requirements for future RFPs: the Telemetry Display Page Exchange, Ground Data Distribution, Ground Equipment Monitoring Service (GEMS) 2.0, Satellite Operations Archive Exchange.
- Discussed format and content for a Space Domain User’s Conference to be held Monday, March 18th in Reston. Met with OMG staff to aid in the planning and promotion.
- The Command and Control Messaging Specification (C2MS) FTF met and worked through the remaining issues, it remains on track for Reston FTF report.

Deliverables from this Meeting:

- None

Future Deliverables (In-Process):

- GEMS 2.0 RFP
- Telemetry Display Page Exchange RFP

Votes

- None

Agenda Items for the Next Meeting

- Telemetry Display Page Exchange RFI responses / draft RFP
- GEMS 2.0 RFP
- Space Spec Users’ Conference

Rick Steiner reported on the activities of the *Systems Engineering Domain Special Interest Group*:

Highlights from this Meeting (1/2 day):

- Feature-based Systems and Software Product Line Engineering – Charles Krueger
 - Approach to share assets (e.g., requirements models, test procedures) across product family
 - Define superset and configure specific product design based on selected feature set
- Precise SysML Semantics Overview and Demo – Yves Bernard, Tim Weilkiens, Jérémie Tatibouet
 - Extend precise semantics of UML to specify precise semantics of SysML
 - Initial test cases defined
 - Planned to be included as part of SysMLv1.7 specification
- SysMLv2 Overview and Demo – Sanford Friedenthal, Ed Seidewitz
 - Provided initial presentation 1 year after SysMLv2 RFP issued
 - Large and diverse submission team including 58 organizations
 - Requirements validation cases and core metamodel defined with initial reference implementation

The Domain Technology Committee went into recess at 11:40 A.M. in order to allow the Platform Technology Committee to address one business item

The Domain Technology Committee re-convened at 11:43A.M. The DTC was quorate.

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

Hugues Vincent (THALES) moved to issue the Robotic Service Ontology RFP (OMG document number robotics/2018-12-03)

J.D. Baker (Sparx Systems) seconded the motion

Bobbin Teegarden (OntoAge) 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 14th December 2018 were the following submissions and reports:

| | |
|--|------------------|
| FIBO v2 RFC | finance/18-09-23 |
| RFC with change bars | finance/18-09-22 |
| Cover letter | finance/18-08-02 |
| Inventory | finance/18-09-30 |
| RDF/XML-serialized OWL Ontologies (normative) | finance/18-08-04 |
| RDF/XML-serialized OWL Metadata Ontologies (informative) | finance/18-08-05 |
| Conceptual Model (ancillary) in UML with CCM profile applied | finance/18-08-14 |

| | |
|--|------------------|
| XMI-serialized Conceptual Model with Conceptual Modeling profile appl. | finance/18-08-15 |
| FIBO v2.0 additional ancillary file | finance/18-09-01 |
| FIBO 2 RFC Annex B: Business Entities – Errata Redline | finance/18-09-24 |
| FIBO 2 RFC Annex D: Derivatives – Errata Redline | finance/18-09-25 |
| FIBO 2 RFC Annex E: Financial Business and Commerce – Errata Redl. | finance/18-09-26 |
| FIBO 2 RFC Annex F: Foundations – Errata Redline | finance/18-09-27 |
| FIBO 2 RFC Annex G: Indices and Indicators – Errata Redline | finance/18-09-28 |
| FIBO 2 RFC Annex J: Securities – Errata Redline | finance/18-09-29 |

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|---|--------------|
| UnifiedPOS 1.15 FTF report | dtc/18-12-22 |
| Convenience document clean | dtc/18-12-20 |
| Convenience document with change bars | dtc/18-12-21 |
| machine readable files in a .zip archive | dtc/18-11-04 |
| Ancillary attachment file | dtc/18-11-05 |
| Updated UnifiedPOS 1.15 FTF zipped .xsd files | dtc/18-12-04 |
| UnifiedPOS_v1150 Diagrams Source.zip | dtc/18-12-06 |

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):

- OS/COMET Product Group, THALES, EDM Council, MITRE, OntoAge, cebe IT & KM, Microsoft, Jackrabbit

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

J. D Baker (Sparx Systems) made the composite motion to:

- extend the initial submission deadline of the UnifiedPOS V2 Model And POS Printer API RFP to May 20th, 2019
- extend the revised submission deadline of the UnifiedPOS V2 Model And POS Printer API RFP to November 11th, 2019
- extend the SBVR 1.5 RTF revision deadline to 28th June, 2019
- extend the UAF 1.1 RTF revision deadline to 28th June, 2019
- extend the Requirements Interchange Format V1.3 (ReqIF) RTF Public Comment Deadline to August 1, 2019.
- extend the Requirements Interchange Format V1.3 (ReqIF) RTF Report Due Date to November 11, 2019.
- extend the Requirements Interchange Format V1.3 (ReqIF) RTF Revision Deadline to December 20, 2019.

- extend the UML Profile for BPMN Processes 1.1 RTF revision deadline to December 20, 2019
- extend the FIBO Business Entities (BE)1.2 RTF revision deadline to June 28th, 2019
- extend the FIBO Financial Business and Commerce 1.1 RTF revision deadline to June 28th, 2019
- extend the FIBO Foundations 1.3 RTF revision deadline to June 28th, 2019
- extend the FIBO Indices and Indicators 1.1 RTF revision deadline to June 28th, 2019

Bobbin Teegarden (OntoAge) seconded the motion
 Jillian McRae (Microsoft) proposed White Ballot.
 There was no objection to White Ballot.
 Motion carried

J.D. Baker (Sparx Systems) made the composite motion:

- to add Yvonne Bijan as Lockheed Martin voter to the UAF 1.1 RTF
- to add J.D Baker as Sparx Systems voter to the DMN 1.3 RTF

Bobbin Teegarden (OntoAge) seconded the motion
 Jillian McRae (Microsoft) proposed White Ballot.
 There was no objection to White Ballot.
 Motion carried

Mike Bennett (EDM Council) moved to charter the FIBO Version 2 Finalization Task Force with the following dates and membership:

FIBO Version 2.0 FTF

Contact: fibo-v2-ftf@omg.org

TF Chairs: Mr. Mike Bennett

IPR Mode: Non-Assert

List of Issues: FIBO2

Schedule

| Event | Date | Notes |
|------------------|------|--|
| Base document(s) | | <i>Relevant documents:</i> finance/18-09-30 (Revised Inventory) finance/18-09-29 (FIBO 2 RFC Annex J: Securities - Errata3) finance/18-09-28 (FIBO 2 RFC Annex G: Indices and Indicators - Errata3) finance/18-09-27 (FIBO 2 RFC Annex F: Foundations - Errata3) |

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|--|-------------------|--|
| | | finance/18-09-26 (FIBO 2 RFC Annex E: Financial Business and Commerce - Errata3) finance/18-09-25 (FIBO 2 RFC Annex D: Derivatives - Errata3) finance/18-09-24 (FIBO 2 RFC Annex B: Business Entities - Errata3) finance/18-09-23 (FIBO v2 RFC) finance/18-08-15 (XMI-serialized Conceptual Model (informative) with Conceptual Modeling profile applied) finance/18-08-05 (FIBO v2 RFC - RDF/XML-serialized OWL Metadata Ontologies (informative)) finance/18-08-04 (FIBO v2 RFC - RDF/XML-serialized OWL Ontologies (normative)) |
| Voting List Deadline | December 14, 2018 | |
| Beta 1 Specification Publication | January 11, 2019 | <i>Relevant documents:</i> dtc/19-01-07 (FIBO V2 Annex J) dtc/19-01-06 (FIBO V2 Annex G) dtc/19-01-05 (FIBO V2 Annex F) dtc/19-01-04 (FIBO V2 Annex E) dtc/19-01-03 (FIBO V2 Annex D) dtc/19-01-02 (FIBO V2 Annex B) dtc/19-01-01 (FIBO V2 Beta 1 document) |
| FTF Comments Due | February 28, 2019 | |
| FTF Report Due Date | May 20, 2019 | |
| FTF Recommendation and Report Deadline | June 28, 2019 | |

VOTING LIST:

| Company | Date | Notes |
|------------------------|------|------------------------------|
| 88solutions | | <i>Mr. Manfred R. Koethe</i> |
| Adaptive | | <i>Mr. Pete Rivett</i> |
| Bloomberg LP | | <i>Dr. B. Richard Beatch</i> |
| EDM Council | | <i>Mr. Mike Bennett</i> |
| Microsoft Corporation | | <i>Ms. Jillian McRae</i> |
| OntoAge | | <i>Ms. Bobbin Teegarden</i> |
| Thematrix Partners LLC | | <i>Mrs. Elisa F. Kendall</i> |

J.D. Baker Sparx Systems) seconded the motion
 Bobbin Teegarden (OntoAge) proposed White Ballot.

There was no objection to White Ballot.
Motion carried.

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 12:01 P.M.