

OMG Domain Technology Committee
Friday, September 18th 2020
Virtual September meeting minutes
OMG document dtc/20-09-06

Attendance:

Name	Email
Bill Curtis	b.curtis@castsoftware.com (P)
Manfred Koethe	koethe@88solutions.com (P)
Gundars Alksnis	gundars.alksnis@rtu.lv (U)
Ed Seidewitz (MDS) 25336	ed-s@modeldriven.com (*)
andy.mattice	andy.mattice@lexmark.com (R)
Jason McC. Smith	jason@omg.org
Matteo Vescovi (Micro Focus 582533)	matteo.vescovi@microfocus.com (P)
Cory Casanave	cory_casanave@fanniema.com (*)
Dr.MarkG.Janczewski	mark.janczewski@gmail.com (I)
Eric Ogren	eric.ogren@kratosrtlogic.com (D)
Jim Logan	James.Logan@3ds.com (D)
Hugues VINCENT (Thales, 535650)	hugues.vincent@thalesgroup.com (*)
Lars Toomre	LToomre@gmail.com (I)
Martin, Robert A.	ramartin@mitre.org (*)
Wallace, Evan K. (Fed)	ewallace@nist.gov (G)
ademola adejokun	ademola.adejokun@ieee.org (P)
meg duncan (staff)	meg@omg.org
Cory Casanave	cory-c@modeldriven.com (*)
Brad Kizzort, 463330	bkizzort@peraton.com (D)
Steve MacLaird	maclaird@omg.org
John Glaubitz	john.glaubitz@vertexinc.com (R)
DBR2	daniekl.brookshier@3ds.com (D)
Fernando Garcia (RTI, 616373)	fgarcia@rti.com (*)
Richard Beatch	rbeatch@bloomberg.net (D)
Peter Denno (NIST 17140)	peter.denno@nist.gov (G)
Elisa Kendall	ekendall@thematix.com (P)
Conrad Bock	conrad.bock@nist.gov (G)
Jim Logan	james.logan@3ds.com (D)
LaMont McAliley	lamont.s.mcaliley@aero.org (I)
Mike Bennett	mbennett@hypercube.co.uk (*)
Koji Kamei, JARA, 617905	kameikoji@gmail.com (D)
John Butler	john.butler@auxiliumtg.com (I)

Sarah Douglass (MITRE)	sdouglass@mitre.org (*)
Diane Ebrahimian, OMG	diane@omg.org
Claude Baudoin	baudoin@iiconsortium.org (*)
J.D. Baker	omg_id@objectsandaspects.com (*)
Uwe Kaufmann - GfSE - 285973	uwe.kaufmann@modelalchemy.com * (*)
Bobbin Teegarden ONtoAge 47059	bobbin@ontoage.com (*)
Sanford Friedenthal	safriedenthal@gmail.com (*)
Jim Thompson	jthompson@delligattiassociates.com (I)
Simon Mettrick (BAE Systems 598030)	simon.mettrick@baesystems.com (D)
Char Wales (Jackrabbit, 265992)	charwingomg@gmail.com (P)
Brad Kizzort, 463330	bkizzort@peraton.com (D)
Yong Xue	yong.xue.civ@mail.mil (G)
John Draga, Micro Focus 633475	john.draga@microfocus.com (P)
Adam Mitz (OCI 578409)	mitza@objectcomputing.com (I)
Juergen Boldt	juergen@omg.org

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

Jason Smith, OMG's Vice President and Technical Director, determined if the DTC was quorate. Quorum was 7, there were 18 eligible DTC voters were present. The DTC was called to order at 8:51 a.m.

First order of business was approval of the June 26, 2020 DTC virtual meeting minutes (dtc/2020-03-01).

J.D. Baker (Sparx Systems) moved to approve the minutes.
 Bob Martin (MITRE) seconded the motion.
 Uwe Kaufmann (GfSE e.V.) proposed White Ballot.
 There was no objection to White Ballot.
 Motion carried.

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

Highlights from this Meeting:

- “Architecture vs. Requirements” (Fredda Lerner, Aerospace Corp.)
 - Where they diverge – Architecture is not “A Source of Truth” (ASOT)
- Update on the Standard Business Report Model (SBRM)
 - LOI and initial submission deadlines are both 9 Nov 2020

Reviewed progress of multiple submissions in progress

- Business Architecture Core Metamodel (BACM)
- Provenance & Pedigree Model and Notation (PPMN)
- Specification Common Elements (SCE)
- Situation Data Model and Notation (SDMN)
- Knowledge Package Model and Notation (KPMN)

Mr. Baudoin noted that the PPMN, SCE, SDMN, and KPMN were generalizations of models whose necessity was discovered as a result of BPM+ in Healthcare work. Initially planned as RFCs, but will now be RFPs.

Deliverables since the last meeting:

bmi/20-07-01 Notes from the 2020Q2 meeting (June 22 and 25), Claude Baudoin

bmi/20-09-01 Architecture vs Requirements, Fredda Lerner

bmi/20-09-02 BACM Revised Submission Update, Jim Rhyne

bmi/20-09-03 Standard Business Reporting Model (SBRM) Update Pete Rivett,

bmi/20-09-04 BPM+ Standards Roadmap and the OMG Process, Steve White

bmi/20-09-05 Notes from the 2020Q3 meeting (Sep. 14), Claude Baudoin

Future Deliverables (In-Process):

- SBRM
 - Initial submission
- New RFPs based on BPM+, initially intended as RFCs
 - PPMN
 - SCE
 - KPMN
 - SDMN
- Discussion Papers on Requirements and Risk Management
 - Outlines or initial drafts by December
- Joint BACM revised submission by March 2021

Agenda of Next Meetings

- Interim teleconferences in 4 weeks and 8 weeks
- Status review of BACM
- New initial submission of SBRM
- Possible issuance of RFPs on BPM+ related specifications
- Review of Discussion Paper drafts
 - Presumably generated through smaller working groups between meetings

None of the chairs of the *CAI DTF* were present, but the Task Force met.

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

Highlights from this Meeting:

- FIGI: Extending into crypto assets
 - Role of ‘Certified Provider’ as defined in the current FIGI spec
 - Kaiko as recommended CP for FIGI for crypto assets
 - Vote to empanel a WG to make specific recommendations to FDTF for vote in Dec
- Horizon scanning: WGs of relevance to Finance
- Ontologies in Finance
 - Continued the conversation from June 2020
 - Focus on ontology styles e.g. use of patterns in FIBO versus TLO
 - Outcomes: Come up with agreed upon separation for the terms for the distinctions between kinds of ontology that we talked about today.
- FIBO
 - Update on content development across instrument classes, indices
 - FIBO Submitter proposals
 - New FIBO v2.1 RFC plans
 - FIBO v2 FTF to report in December; FIBO 1.n RTFs to run to Dec and then lapse
 - FTF to meet in near future to firm up plans (potential null report December)
 - Not all at FDTF meeting agree on specific FTF proposals

Deliverables from this Meeting:

No formal deliverables

Recommendations from ontology discussion – future deliverable(s)

Future Deliverables (In-Process):

FIBO v2 FTF Report – anticipated December

FIBO v2.1 RFC (expected, not in-process)

Liaisons

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

Agenda Items for the Next Meeting:

- Vote on FIGI CP WG recommendations
- potential vote to appoint a CP for FIGI, for crypto assets

- FIBO
 - FIBO v2.0 FTF Report
 - FIBO 2.1 RFC outline / plans

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

- Reports from Government DTF Working Groups
 - Statistics (“STATS WG”)
 - Vocabularies for Communities of Interest (“VCoI WG”)
 - Central Bank Digital Currency (“CBDC WG”)
 - Secure and Trust-Worthy Elections (“STWE WG”)
- Focal Themes for 4Q 2020
 - Build Communities of Interest (WGs)
 - Update two Govt DTF white papers
 - Increase international participation
 - Regular Community Calls (all Eastern Times):
 - VCOI WG – Mondays at 4:30 PM
 - CBDC WG – Tuesdays at 1 PM
 - Government DTF – Wednesdays at 2 PM
 - Statistics WG – Thursdays at 1 PM
 - Federated Enterprise Risk Management WG (“FERM WG”) - Tuesdays
 - Secure and Trust-Worthy Elections WG – TBD

Liaisons

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

Agenda Items for the Next Meeting:

- Charter discussion and DTF rename
- Election of co-chair(s)
- Issuance of revised Government DTF white papers
- Direction from VCOI WG on Govt DTF “vocabulary”
- Report from Statistical WG on N-cube data representation
- Recommendation from STWE WG on path forward for “standards”

Documents

- gov/2020-09-01 – Summary of Govt DT Q3 2020 meetings
- gov/2020-09-02 – Statistics WG Agenda
- gov/2020-09-03 – Statistics WG Overview
- gov/2020-09-04 – Artificial Intelligence Economics Presentation

- gov/2020-09-05 – The M Language Presentation
- gov/2020-09-06 – Vocabulary for Community of Interest Presentation
- gov/2020-09-07 – GBA OMG Presentation
- gov/2020-09-08 – Meeting Workbook

Mr. John butler provided an ad-hoc report regarding the *Healthcare Domain Task Force* as the chairs were not present at the DTC plenary:

The Healthcare DTF did possibly meet as part of the BPM+ Health e-workshop.

The meeting was well attended

The group worked together with the BMI DTF on the:

- PPME RFP
- KPMN RFP
- SCE work
- SDMN RFP

The RFPs work is moving along and will go through the BMI DTF for possible issuance in December.

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:

SysPhS RTF 1.1 report – status and new 1.2 RTF charter (Conrad Bock, NIST)

Roadmap 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>
- Move response deadline to Nov. 9, 2020 (4week to Dec. Mtg.)

Future Deliverables (In-Process):

- Technology Adoptions
 - N/A
- RFP/RFI Recommended or Other Recommendations
 - N/A
- Liaisons
 - ISO TC 184 SC4 (aka STEP)

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

- December 2020
 - MoTIF– Model Transformation & Integration Facility RFP
 - Schedule web-meetings until dec.

- Product Knowledge Framework (PKF) RFI progress
- Update on GENIAL! (Automotive Electronic Roadmapping project)
 - Will present an SysML profile at next meeting (Dec.)
 - AK Automotive (Germany) association tentatively invited to present
- OMG Information Day - “How Modern PLM Systems Interact in Enterprise IT Environments” (Sponsored by CONTACT Software)
 - Postponed to next F2F OMG Meeting
- Tentative: RFC / RFP on Production Logistics Modeling
- Tentative themes:
- 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
- Tentative: Arrowhead / Productive 4.0 projects update
 - Oystein will present final results from Productive4.0
 - Arrowhead project is going on until ~2022, status repost is anticipated
- Tentative: eCl@ss presentation and potential collaboration discussion (eCl@ss is a product classification system and ontology. Signed MoU with OMG)
- Long Term / Reach out to
 - Augmented Reality industrial applications and standardization needs (VERSES / AREA)
 - MIMOSA - Open Standards for Physical Asset Management

Discussion revolved around the status of a liaison with MIMOSA. It was clarified that MIMOSA is more interested in AI, and the question was raised if the AI PTF should take a lead on this. The AI PTF will think about this.

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

Highlights from this Meeting:

- Vivian Underwood (GS1-US) and Brian Wells (GS1-US) presented GS1’s status for “Beyond the U.P.C.” sunrise 2027 and the need for standards to prepare the industry for that reality.
- John Glaubitz (Vertex) presented Retail Industry Ontology (RIO) in the Ontology PSIG event. Next step is to understand how the OWL files will accompany new specification submissions.
- Furuhashi Tadashi (Seiko-Epson) worked tirelessly on preparing the UnifiedPOS1.16 RCSD submission. Ran into issues posting docs to OMG website (down) and dealing with timezone differences between Japan and Eastern US. Final round of submission linking will be done soon. Proposal to evaluate and vote out-of-band from the quarterly meetings since this already had scrutiny.
- Roland Zalisevskij (Service Plus) presented the progress on the Fiscal API RFP. Underlying core UnifiedPOS2.0 protocol functionality is next to be clarified (settings, configuration, events).

- Location-in-Retail ran into roadblocks over the last quarter. The team figured out guidance to clear the blocks and make progress.
- Started an effort to address diversity, equity and inclusion surrounding our retail standards and documentation. This will be something for OMG to own at a higher level, but for now we are experimenting to figure out what works within RDTF.
- Proposal to reinvigorate the “POS Printer” webapifor UnifiedPOS2.0. A work team will be formed to figure out the initial RFP, the team that will naturally continue to develop the submission.

Deliverables from this Meeting:

- retail/2020-09-01 RDTF Kickoff meeting minutes
- retail/2020-09-02 UnifiedPOS2.0 Platform Investigation meeting minutes
- retail/2020-09-04 Document Review for Diversity, Equity and Inclusion meeting minutes
- retail/2020-09-05 UPOS 1.15 RTF –Beyond the UPC –Impact to retail standards
- retail/2020-09-06 Retail Industry Ontology meeting minutes
- retail/2020-09-07 UnifiedPOSWork Team meeting minutes
- retail/2020-09-08 UnifiedPOSFiscal API 2.0 RFP meeting minutes
- retail/2020-09-09 Micro-Location in Retail meeting minutes
- retail/2020-09-18 RDTF Closing Plenary Report

Future Deliverables:

- UnifiedPOSv1.16 FTF 2
- UnifiedPOSv1.15.1 –Micro-Location in Retail
- UnifiedPOSv2 Fiscal API RFP
- Digital Receipt RFP
- POS Printer RFP

Liaisons:

- Industrial Internet Consortium (IIC) on SMM. Webinar planned.
- Open Geospatial Consortium (OGC) on IndoorGMLfor Micro-Location

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

Highlights from this Meeting:

- 5 participants online.
- Two contact reports: ISO TC299/WG6 and IEEE RAS.
- Roadmap update: approved to extend RoSO timetable. (robotics/2020-09-08)

Future Deliverables (In-Process):

- RoSO Initial Submission
- Discussion and Review for initial submission at Reston.
- Initial submission at Orlando, then revise at Long Beach.

Liaisons

- ISO TC299/WG6 (Makoto Mizukawa and Koji Kamei)

- IEEE RAS (Koji Kamei)

Agenda Items for the Next Meeting:

- Next meeting at Reston (interim meeting in Japan or online).
- RoSO review for initial submission.

The RoSO RFP was extended to the following dates:

LOI deadline: May 10, 2021

Initial submission deadline: May 17, 2021

Voting list deadline: June 7, 2021

Revised submission deadline: November 8, 2021

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

Highlights from this Meeting:

- Reviewed submission for CubeSat System Reference Model
- Reviewed for a Telemetry Display Page Exchange Format to allow sharing of space system status overview displays, assigned working group to get it ready for December RFP

Deliverables from this Meeting:

- None

Future Deliverables (In-Process):

- Technology Adoptions
 - Postponed revised submission of CubeSat System Reference Model–New date 18 Dec 2020 for Q4 meeting to allow more time to incorporate AB recommendations
 - RFP for Telemetry Display Page Exchange

Liaisons

- None

Agenda Items for the Next Meeting:

- CubeSat System Reference Model–Telemetry Display Page Exchange RFP

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

Highlights from this Meeting:

- SysML v2 Initial Submission Overview and Demo (Sandy Friedenthal, Ed Seidewitz, Manas Bajaj)
- SACM 2.1 - the OMG's Structured Assurance Case Metamodel standard (Bob Martin)

- Safety & Reliability Profile Update (Kyle Post, Andrius Armonas, Tomas Juknevičius)
- MagicGrid: A Simplified Approach for Modeling Complex Systems (Aurelijus Morkevicius, PhD)

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

Uwe Kaufmann (GfSE e.V.) moved to charter the SysPhS 1.2 RTF with the following dates and membership:

SYSPHS 1.2 RTF

Contact: sysphs-rtf@omg.org

TF Chairs: Dr. Conrad Bock Mr. Nerijus Jankevicius

IPR Mode: Non-Assert

Schedule

Event

Date

Notes

Base document(s)

Relevant documents:

dtc/20-08-05 (Informative SysPhS Machine consumable files)

dtc/20-08-04 (Normative SysPhS Machine consumable files)

dtc/20-08-02 (SysPhS Revised specification (clean))

dtc/20-08-01 (SysPhS 1.1 RTF Report)

Voting List Deadline September 18, 2020

RTF Public Comment Deadline April 30, 2021

RTF Report Due Date August 30, 2021

RTF Revision Deadline October 8, 2021

VOTING LIST:

Company

88solutions

Airbus Group

Boeing

Commissariat à l'Énergie Atomique-CEA

Dassault Systemes

Mr. Manfred R. Koethe

Mr. Yves Bernard

Mr. William Beavin

Mr. Matteo Morelli

Mr. Nerijus Jankevicius

GfSE e.V.
InterCAX
Lockheed Martin
NIST
PTC
Softeam
Sparx Systems
Universidad de Cantabria
oose Innovative Informatik eG

*Mr. Uwe Kaufmann
Dr. Manas Bajaj
Ms. Laura E. Hart
Dr. Conrad Bock
Mr. Andreas Korff
Mr. Etienne Brosse
Mr. James D. Baker
Dr. Julio Medina
Mr. Tim Weilkiens*

Char Wales (Jackrabbit Consulting) seconded the motion
Hugues Vincent (THALES) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Simon Mettrick (BAE Systems) moved to charter the OARIS 2.0 FTF with the following dates and membership:

OPEN ARCHITECTURE RADAR INTERFACE STANDARD (OARIS) 2.0 FTF

Contact: oaris-fff@omg.org

TF Chairs: *Mr. Simon Mettrick*

IPR Mode: *RAND*

Schedule

Event

Date

Beta 1 Specification Publication

Relevant documents:

c4i/20-08-07 (OARIS V2.0 Inventory file)

c4i/20-08-06 (OARIS V2.0 GraphQL PSM files)

c4i/20-08-05 (OARIS V2.0 DDS/IDL PSM files)

c4i/20-08-03 (OARIS V2.0 XMI file)

c4i/20-08-01 (OARIS V2.0 (Additional Sensors) submission)

Base document(s)

Voting List Deadline

September 18,
2020

FTF Comments Due

June 21, 2021

FTF Report Due Date

August 30, 2021

FTF Recommendation and Report October 8, 2021
deadline

VOTING LIST:

Company

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

Hugues Vincent (THALES) seconded the motion
Char Wales (Jackrabbit Consulting) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Brad Kizzort (OS/COMET Product Group) moved to charter the GEMS 1.6 RTF with the following dates and membership:

GEMS 1.6 RTF

Contact: *gems-rtf@omg.org*

TF Chairs: *Mr. Eric Ogren*

IPR Mode: *RF-Limited*

List of Issues: *gems-rtf*

Schedule

Event

Date

Bese document(s)

Voting List Deadline

September 18, 2020

RTF Public Comment Deadline

May 21, 2021

RTF Report Due Date

November 8, 2021

RTF Revision Deadline

December 17, 2021

VOTING LIST:

Company

Amergint Technologies

Notes

Mr. Luis Rodriguez

Boeing
Kratos RT Logic, Inc.
OS/COMET Product Group

Mr. David Overeem
Mr. Eric Ogren
Mr. Brad Kizzort

Richard Beatch (Bloomberg LP) 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 BMM 1.4 RTF with the following dates and membership:

BMM 1.4 RTF

Contact: *bmm-rtf@omg.org*

TF Chairs: *Mr. Stephan Tschanz*

IPR Mode: *RF-Limited*

Schedule

Event

Date

Base document(s)

Relevant documents:

dtc/14-11-06 (BMM 1.3 specification clean)

Voting List Deadline September 18, 2020

RTF Public Comment Deadline December 12, 2020

RTF Report Due Date February 22, 2021

RTF Revision Deadline April 2, 2021

VOTING LIST:

Company

Date

88solutions

Mr. Manfred R. Koethe

Commissariat a l Energie Atomique-CEA

Dr. Mauricio, Alferez, PhD

Dell Technologies

Dr. Said Tabet (awaiting approval)

Jackrabbit Consulting

Dr. Nick Stavros

KnowGravity Inc.

Mr. Stephan Tschanz

MEGA International

Mr. Antoine Lonjon

PNA Group

Dr. Sjr Nijssen

Rule ML Initiative

Mr. Donald R. Chapin

Sparx Systems

Mr. James D. Baker

Trisotech

Mr. Ron Ross

VDMbee

Mr. Henk de Man

J.D. Baker (Sparx Systems) seconded the motion
Daniel Brookshier (Dassault Systemes) proposed White Ballot.
There was no objection to White Ballot.
Motion carried

Hugues Vincent (THALES) made the composite motion:

Mike Bennett (EDM Council) seconded the motion
Brad Kizzort (OS/COMET Product Group) 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 18th September 2020 were the below reports and submissions and a poll was held for each of them:

OARIS V2.0 (Additional Sensors) submission	c4i/20-08-01
OARIS V2.0 (Additional Sensors) submission change bar version against v 1.1)	c4i/20-08-02
OARIS V2.0 XMI file	c4i/20-08-03
OARIS V2.0 Model file	c4i/20-08-04
OARIS V2.0 DDS/IDL PSM files	c4i/20-08-05
OARIS V2.0 GraphQL PSM files	c4i/20-08-06
Inventory	c4i/20-08-07
GEMS 1.5 RTF report	dtc/20-09-01
SysPhS 1.1 RTF Report	dtc/20-08-01
Convenience document clean	dtc/20-08-02
Convenience document with change bars	dtc/20-08-03
Normative SysPhS Machine consumable files	dtc/20-08-04
Informative SysPhS Machine consumable files	dtc/20-08-05
Ancillary SysPhS Ancillary attachment file	dtc/20-08-06
SysPhS Specification document sources (ancillary)	dtc/20-08-07
SysPhS Tool-specific model files (ancillary)	dtc/20-08-08

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 reports and submissions:

GfSE. e., Bloomberg LP, cebe IT & KM, OntoAge, THALES, BAE Systems, OS/COMET Product Group, Real-Time Innovations, Model-Driven Solutions

There being no further business brought before the DTC, it was adjourned at 10:50 A.M..