

July 2016

## Recap: June 2016

The Object Management Group® (OMG®) held its quarterly Technical Meeting at the Loews Portofino Bay Hotel in Orlando, Florida, USA, from June 20-24th. At the same time that members met to drive the future direction of standards, the public was invited to attend complimentary Special Events.

A joint presentation by OMG and the Industrial Internet Consortium® (IIC), the IIoT Challenges and Opportunities special event focused on trends and case studies, and featured a panel discussion on IIoT security. Dr. Arjmand Samuel, from Microsoft, discussed that while IIoT promises greater efficiency and transparency, there is a growing concern for security and privacy of IoT infrastructure. Other highlights from the week are captured below.



Attendee Reception raffle winners (L-R): Corby Dear; Domain-level member, Finance Task Force; Conrad Block, co-chair Diagram Definition Task Force; Koji Kamei, co-chair RoIS; Mike Bennett; chair of Finance DTF; Ron Rayappan, guest and Pete Rivett, co-chair, ODM

## TECHNOLOGIES ADOPTED

The OMG Board of Directors voted to adopt three submissions:

- Automated Enhancement Points™ (AEP) - This submission provides a consistent way of accurately measuring software size, which is critical to productivity analysis, vendor management and maintenance and enhancement work.
- OMG Languages, Countries and Codes™ (LCC) - This submission provides formal, machine-readable representations of the names of countries and regions worldwide, and the languages spoken within them, thus providing an essential foundation for many financial, commercial, government and academic applications. The ontologies in this standard are based on two existing ISO standards: ISO 639, Codes for the representation of language names, and ISO 3166, Codes for representing country names and their subdivisions.
- Structured Assurance Case Metamodel™ (SACM™) 2.0 - This submission builds on the first version of OMG's successful SACM specification for recording and exchanging design information about safety-critical systems. Assurance Cases are sets of auditable claims, arguments, and evidence created to verify that a defined system will satisfy specific requirements.

These submissions are undergoing finalization reviews and will likely be adopted as official OMG standards by the end of this year.

## SPECIAL EVENTS

Below is a list of the TC meeting's special events which includes links to each [agenda](#), where the presentations can be found.

- [Introduction to OMG's Modeling & Middleware Specifications Tutorial](#)
- [IIoT Challenges and Opportunities](#)

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### Meet an OMG Member: J.D. Baker



J.D. Baker is a Systems Engineer with interest and expertise in enterprise architecture, requirements development, software/system architecture and system design processes and methodologies that support Model-Based Systems Engineering.

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### Sparx Systems Renews OMG Sponsorship!

[Sparx Systems](#) announced its continued support of OMG as a Gold sponsor. As a global software company and vendor of the agile, collaborative visual modeling platform Enterprise Architect, Sparx Systems has been an annual sponsor of OMG since 2007 and has been actively involved in OMG for more than 10 years. OMG looks forward to many more years of the company's

He is the Sparx Systems Ambassador to North American users and represents Sparx on the OMG Architecture Board and the Board of Directors.

**OMG:** *When did you first join OMG and why do you go to the meetings?*

My first OMG meeting was as a representative of BAE Systems at the December 2001 meeting at Disneyland. I attended that meeting at the urging of a colleague based in the UK to become involved in the development of a systems engineering modeling language. Since that time, I have continued to attend OMG Technical Committee meetings (over 50 to date) as a representative of an end-user organization in the beginning and now as a representative of a tool vendor for several reasons. First, after a long career I feel I have an obligation to contribute to advancing the state of the art. I think standards are a valuable way to contribute and I think the OMG provides the opportunity to develop relevant standards. Secondly, OMG meetings tend to draw attendees who are knowledgeable and highly motivated and I always learn something new, often in some serendipitous discussion.

**OMG:** *What projects are you currently working on with OMG?*

As the Sparx Systems representative, I am a member of many Revision and Finalization Task Forces, tracking the progress of standards that impact our modeling tool, Enterprise Architect. I am the chair of the UML Profile for BPMN Processes™, which has had little activity so far, but I expect that issues will begin to surface given the inclusion of the profile as part of the Unified Architecture Framework. I am also the submission lead for a response to the UML® Profile for ArchiMate® request for proposal. This submission is unique in that ArchiMate is a modeling language developed by The Open Group and the submission is to be a specification for implementing that language in UML modeling tools. This work requires a significant amount of coordination between the two organizations.

**OMG:** *How has being a member of OMG helped you either personally or professionally?*

As a member of the Methods and Tools group in an end-user organization, our OMG membership and my meeting attendance helped me to understand the publicly available standards and how they could be applied in our development processes. More importantly, the ability to monitor and participate in the evolution of the standards was one of the factors that enabled me to help guide the organization to a CMMI Level 5 certification. Now as a representative of a modeling tool vendor, I am able to help guide the development roadmap of Enterprise Architect. In addition, I get to interact with people who are using Enterprise Architect both as part of the development of standards and in the development of products. User input is a valuable insight for Sparx Systems as we evolve Enterprise Architect.

**OMG:** *Why would you encourage other professionals to join OMG?*

As a member-driven organization OMG is only as good as the people who participate. It is important that organizations from a wide variety of domains lend their expertise to developing the standards that will help improve future development efforts on the platform side of the OMG and will drive the vertical standards

expertise in influencing model-driven development based on open standards.

## Next Meeting: Chicago, Illinois, USA, September 12-16, 2016

Fall is approaching which means that OMG is looking forward to its next TC meeting which will be held in September in Chicago, Illinois at the Loews Chicago O'Hare Hotel. Multiple special events are scheduled to take place throughout the week including:

- Business Architecture Reference Model Workshop
- Cyber Risk Summit
- Introduction to OMG's Modeling & Middleware Specifications Tutorial
- IIoT Challenges and Opportunities

Stay tuned to [www.omg.org](http://www.omg.org) for more updates. Don't forget to follow the Chicago TC meeting event on OMG's social media channels and use the hashtag **#OMGChicago** and handle **@ObjectMgmtGroup** in your tweets!



## Hot Topic #1: New CSCC Whitepaper

The Cloud Standards Customer Council™ has published version 2.0 of *Public Cloud Service Agreements: What to Expect and What to Negotiate*. The guide contains a 10-step approach to understand and evaluate public cloud service agreements from different providers. The deliverable is available for download [here](#).

In addition to this guide, cloud customers are encouraged to read the *Practical Guide to Cloud Service Agreements Version 2.0*. The CSCC has written a series of highly-referenced, vendor-neutral guides on important cloud computing topics including cloud security, hybrid cloud computing, interoperability and portability in the cloud, etc. All of the CSCC's deliverables are published [here](#).



## Hot Topic #2: Cyber Resilience Summit - Ensure Resiliency in Federal Software Acquisition

You're invited to the Cyber Resilience Summit hosted by CISQ on October 20th at the Army Navy Country Club in Arlington, VA.

Keynote speaker, Dr. David Bray, CIO for the Federal Communications Commission, has been leading FCC's IT Transformation since 2013. Through the efforts of a team of positive "change agents", he transformed the FCC's legacy IT with more than 207 different systems to award-winning tech in less than two years. This included rolling-out new cloud-based IT that achieved results in 1/2 the time at 1/6 the cost.

The Cyber Resilience Summit will discuss standards and best

on the domain side. It could be you that asks the question or delivers the presentation that provides the key to unlock the solution to an industry-wide problem.

**OMG:** *Are you involved in any OMG certification programs? If so, how have they benefitted you?*

I have been involved in both the OMG UML Certified Professional (OCUP™) and the OMG Certified System Modeling Professional programs. I have written questions for all of the various levels of exams in these two programs, as well as contributing explanatory articles, and exam reviews. Doing this work has led me to a much deeper understanding of the UML and SysML® specifications. That understanding is reflected in the training material that I develop as part of my consulting efforts, as well as feedback to the Sparx Systems development team..

### Richard Soley's "On the Road" Blog



Follow Richard Soley as he travels the globe and blogs about it! Read Richard's "[On the Road](#)" blog! (RSS feed is available.)

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practices for measuring risk and quality in IT-intensive programs from the standpoint of productivity, software assurance, overall quality and system/mission risk.

The registration fee is \$95. Register [HERE](#). Admission is complimentary for government officials with the code CISQGOV16.

### Did You Know Your Company Can Host/Organize An Information Day at a TC Meeting?

Are you interested in spearheading an event where your company's executives and other OMG members can showcase their thought leadership and expertise in standards development? This is your opportunity to have a conversation with a new audience face-to-face. Submit your special event idea [here](#).

### Other Resources

For more information on OMG or any of our advocacy groups, such as the CSCC or CISQ, please visit us online. Members should sign up for their own personal [myOMG](#) page to access and manage your email lists, submissions and interests.

### Follow OMG!

Social Media Channels



#### About OMG

Celebrating its 27th anniversary in 2016, Object Management Group® (OMG®) is an international, open membership, not-for-profit computer industry standards consortium. OMG Task Forces develop enterprise integration standards for a wide range of technologies and an even wider range of industries. OMG's modeling standards enable powerful visual design, execution and maintenance of software and other processes. OMG has an office at 109 Highland Ave, Needham, MA 02494 USA. This email may be considered to be commercial email, an advertisement or a solicitation.

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