

MBSE Workshop

Agenda and Objectives

September 26th, 2016

Greg Pollari, RockwellCollins
Mark Williams, The Boeing Company
MBSE-CAE Track Coordinators

GLOBAL PRODUCT DATA INTEROPERABILITY SUMMIT 2016



MBSE Workshop Goals

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GPDIS is all about interoperability

- **What are the most important features that facilitate interoperability between our companies (versus within our companies)?**
- **Identify a set of industry standards, tools, and process recommendations that will improve the technical deliverables and communication between the OEMs and their Suppliers (RFLPM).**
- **To point out opportunities to our Vendor, and Service Provider communities on how they can help us**

Who Are We?

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OEMS – Boeing, NorthropGrumman, Textron, Airbus

**SUPPLIERS – RockwellCollins, ParkerAerospace,
Honeywell**

27 different COTS Vendors and Service Providers

**Academia/Gov – Texas Tech, Georgia Tech, BYU, NIST,
NASA**

This opportunity is made possible due to the support of the GPDIS partners, sponsors, software vendors, sub-tier suppliers, and academia who all attend our conference.

Workshop Execution

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- 1. Identify potential targets for MBSE deliverables (RFLPM)**
- 2. Establish an ad-hoc pilot for data exchange**
- 3. Define measurables for OEM-Supplier communication improvements**
- 4. Evaluate deployment standards alternatives for industry suppliers, customers and vendors**
- 5. How should we evaluate, enhance, promote the four targeted standards identified at last year's conference (SysML, OSLC, FMI, Modelica)?**
- 6. What key standards may be more important than the four listed from last year's conference that facilitates interoperability between our companies?**

AGENDA

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- **Academia – The Non Advocate Reviewer, Dr. Greg Jensen, BYU** (10 min)
- **External Standards, OMG-OASIS – Mark Schulte, Boeing** (10 min)
- **RockwellCollins and Dassault Systemes**

STEP AP239 for Publish-Subscribe Architecture (50 min)

- **SubTeam Meetings** (15 min)
- **Break** (15 min)
- **SysML Gaps - John Herrold, Boeing** (10 min)
- **Mentor Graphics and Boeing**

OEM/Supplier/Vendor standards deployment (40 min)

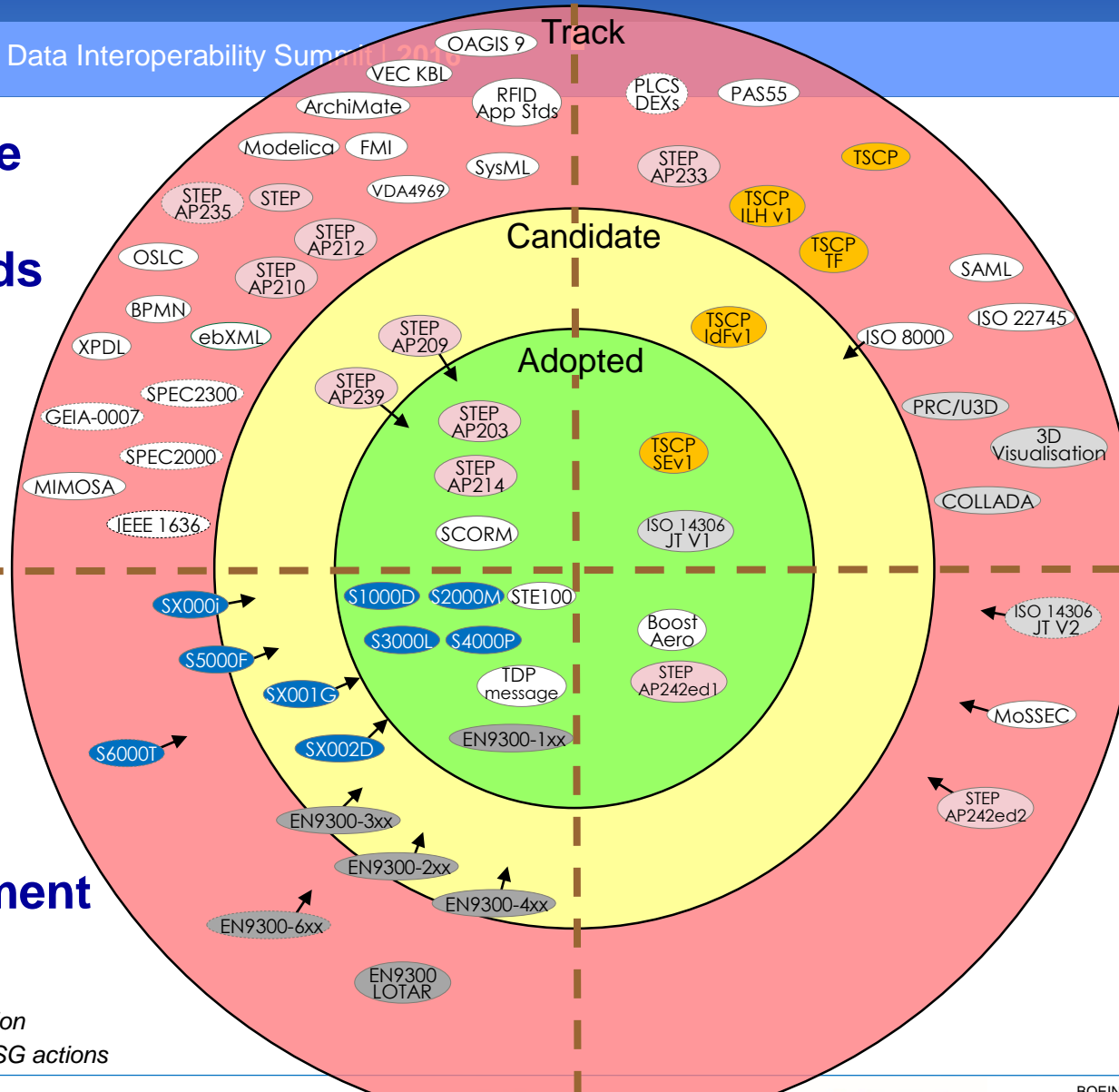
- **Team Report Out – Feedback Summary** (15 min)
- **Next Year ?**

ASD Radar screen from the Strategic Standardisation Group

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Available external standards

Monitor external development



ASD development

Participate in external development

Version: V1.7



NORTHROP GRUMMAN



GLOBAL PRODUCT DATA INTEROPERABILITY

2016

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A view of our Activities and Participants

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**An optimistic
journey
and many
bridges to cross
with no wizard
but marauding
distractions**



CREDIT: Bill Chown, Mentor Graphics

AUDIENCE QUESTION

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What do you expect from this year's workshop?

- **Please write at least two sentences**
- **Do it NOW!**
- **Include statements about standards, tools and processes**
- **Add to it during today's workshop**
- **Turn it in before you leave**

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- **Team Report Out – Feedback Summary** (15 min)
- **Next Year ?**

AUDIENCE/TEAM QUESTIONS

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What do you need to get from this year's workshop? What did you learn?

- Please write at least two sentences
- What did your teams talk about, and how closely did the group match the individuals?
- Chance to report-out
- Turn it in your materials before you leave

AGENDA

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- **Recommendations for next year**
 - **Gregory Pollari** gregory.pollari@rockwellcollins.com
 - **Mark Williams** mark.williams@boeing.com

(or any members of the GPDIS Executive Committee)